Maryland Aviation Administration

Office of Design & Construction

GEOGRAPHIC INFORMATION SYSTEM DATA STANDARD

Version 2.0

July 2013

Geographic Information System
Data Standard
For the Maryland Aviation Administration
Version 2.0, July 2013

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1 INTRODUCTION

1.1 Purpose

This GIS Data Standard provides guidance for developing geospatially-referenced data to be submitted to, maintained by, or provided by the Maryland Aviation Administration (MAA). This includes geospatial vector data, related attributes, and metadata (i.e. information about the data). This standard is required so providers and receivers of MAA data have an understanding of the requirements for the GIS data they submit and use.

1.2 Scope

This document defines 125 of the 393 features covered by MAA's GIS Data Standard. The remaining 268 feature classes are covered in the MAA GIS Data Standard – Appendix 3 - Utilities Supplement.

1.3 Organization of this Document

This document is a reference document that defines the requirements of GIS data submitted to, maintained for, or provided by MAA. The sections that make up the body of this document define the geometry, attributes, and metadata requirements at a general level that applies to all GIS data submitted to MAA. Specific definitions and requirements for each feature class and attribute are provided in Appendix 1. In this appendix, the geometry type, required accuracy, sensitivity levels, attribute definitions and any applicable attribute domain lists are defined. A list of acceptable domain values for each attribute domain list is also provided in Appendix 1.

This document also provides a basis to convert GIS to a CADD format and vice versa. Since GIS layering and CADD layering are traditionally different, a crosswalk is necessary to identify one or more CADD layers that correlate to each GIS layer. This crosswalk is provided in Appendix 2.

Other topics covered in this document include a definition of the Maryland State Plane coordinate system to be used for all MAA GIS and CADD data in Section 5. Finally, Section 6 describes the GIS data delivery formats acceptable to MAA.

1.4 Intended Audience

This standard is intended for Geographic Information Systems (GIS) data developers, database designers, and other providers and recipients of geospatial data that depict Baltimore-Washington International (BWI) and Martin State (MTN) airports and their surrounds, as well as other facilities owned and operated by MAA. This standard assumes basic familiarity with GIS concepts and terminology. A glossary of acronyms and key terms is provided below.

1.5 Application of this Standard

All GIS data prepared for or used, maintained, and distributed by MAA should conform to this standard. This includes Esri shapefiles and file geodatabases prepared by MAA staff, consultants, or contractors. The extent and specifications for GIS data to be delivered will be further specified in contracts with consultants and contractors.

Some of the data submitted to MAA will also be submitted to the FAA in compliance with the FAA's Airports GIS Program requirements. This data must conform with the requirements defined by the latest versions of FAA Advisory Circulars (ACs) 150/5300-16, 17 and 18. The structure of the data required by these ACs is reflected in this document, although the FAA requirements take precedence for data that is to be submitted to the FAA.

To be in conformance with this standard, all geographic features such as runways, buildings, wetlands, obstruction and identification surfaces should be grouped into features classes (i.e. map layers) as defined in Appendix 1 or in the Appendix 3 - Utilities Supplement. Features should be of the proper geometry type (i.e. point, line or polygon) as further defined in Section 2.1, should meet or exceed the accuracy limits specified (unless otherwise stipulated in writing) and adhere to the topological constraints described in Section 2.2. Attributes should be populated to the extent possible (or as otherwise stipulated in writing) and carry the names and be of the types specified in Appendix 1. Attributes that are bound to domains must contain values listed in Appendix 1. All data must be in the Maryland State Plane coordinate system as defined in Section 5. This data is to be submitted along with the metadata specified in Section 4 in one of the formats specified in Section.

1.6 Related Material

The following documents are related to this GIS Data Standard and must be followed to be compliant with this standard.

The primary normative references (i.e. references that must be complied with) are those related to the FAA's Airports GIS Program. MAA is required to submit GIS data in a format that complies with the FAA requirements on any project funded through federal grant monies and/or changes what the FAA defines as safety critical information. As a matter of policy, MAA follows the FAA's Airports GIS Requirements on all projects that develop GIS data regardless of whether data is to be submitted to the FAA or not. It is relevant to note that the feature class, attribute, and domain definitions in AC150/5300-18B have been incorporated into MAA's GIS Standard. If, however, there are any differences or clarifications necessary, the FAA advisory circulars shall prevail over this document.

- AC 150/5300-16A "General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey", Sept. 15, 2007
- AC 150/5300-17C "Standards for Using Remote Sensing Technologies in Airport Surveys", Sept. 30, 2011
- AC 150/5300-18B "General Guidance and Specifications for Aeronautical Surveys: Airport Survey Data Collection and Geographic Information System Standards", May 21, 2009
- MAA GIS Data Standard – Appendix 3 - Utilities Supplement, Version 2.0, November 2012
- MAA Naming, Identification & Addressing Standard, Version 1.3, April 2009
- MAA Data Security Standard, Version 1.1, July 2007
- MAA Design Standards, 2011

1.7 Change Control

Following is a chronological list of changes made to this document since it was first released. A version number and the date of release are indicated for each revision.

Version Number	Date of Release	Changes Addressed
1.0	12/22/2005	Original release
1.1	7/9/2007	Section 1.7 added for change control. Section formatting adjusted to be consistent with other AEIS standards. Utility and communications features moved to a supplement to this document.
1.2	9/20/2007	Section 1.3 - CADD technicians removed from primary audience Section 1.4 - Rewritten to be more specific to the intended audience Section 6 - Clarification that a File Geodatabase is required as opposed to a Personal Geodatabase or SDE Geodatabase
1.3	6/3/2008	Updated to incorporate utility feature and attribute definitions required for utility data collection and maintenance being carried out by MAA's Office of Maintenance & Utilities
2.0	7/1/2013	Major revision to address the needs of MAA's Runway Safety Area Program and to re-align MAA's standards with those of the FAA Airports GIS Program.

Readers are encouraged to suggest additional changes to this document. Accepted changes will be reflected in a subsequent version of this document.

2 FEATURES & ATTRIBUTES

The focus of this standard is on the definition of 353 geographic features required to depict an airport and its surrounding environment. These include features unique to airports, such as runways and taxiways, as well as more generic features, such as roads and buildings. Each of these 353 types of geographic features is referred to as a feature type. A specific instance of a feature type is referred to as a Feature. For example, Runways is a feature type, but Runway 10/28 at BWI is a specific Feature.

2.1 Allowable Geometry Types

There are three basic types of geometry (i.e., points, lines, and polygons). For simplicity in data development and transfer, this standard associates a single geometry type (i.e. point, line or polygon) with each feature type.

1. **Point:** a single location represented by X and Y (and in some cases Z) coordinates on a reference coordinate system, as shown below in Figure 1.

Figure 1. Example of Point Features

2. **Line**: straight line connections between two or more discrete locations represented by X and Y (and in some cases Z) coordinates on a reference coordinate system, as shown below in Figure 2. Note that line segments (i.e., a straight line connecting two points) and polylines (i.e., one or more connected line segments) are both included in this definition but that arcs (i.e., a curve joining two points) are not.

Figure 2. Example of Line Features

3. **Polygon:** A closed connection between three or more discrete locations represented by X and Y (and in some cases Z) coordinates on a reference coordinate system, as shown below in Figure 3. Polygons with interior portions excluded (i.e. doughnut holes) are acceptable, but multipart polygons (i.e. separate polygonal shapes represented by a common database record) are not.

Figure 3. Example of Polygon Features

4. **Complex Geometry Types**: Arcs, circles, and ellipses are not included in this standard. This is intended to facilitate data exchange between software that processes these complex data types differently. However, these shapes may be represented by polylines or polygons as appropriate. For example, if arcs are used in a CADD drawing, they must first be broken into a line with vertices placed at intervals that are sufficient to maintain the accuracy requirements described in Appendix 1.

2.2 Topology Rules

The placement of geometric features in juxtaposition to one another (i.e., next to, connected to, or on top of) is referred to as a topology. Topology rules establish requirements for the placement of features in relation to one another and in relation to features in other feature types. Unless stated otherwise, this standard requires the following topological rules:

1. **Line Feature Types**: Lines should contain one or more line segments with vertices placed at required intervals so the line feature does not stray from the actual feature by more than half the accuracy limit defined in Appendix 1 for the feature type, as shown below in Figure 4.

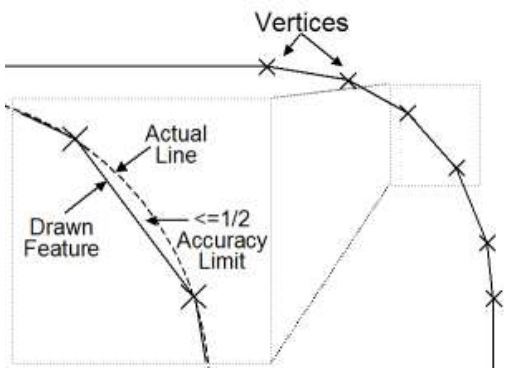

Figure 4. Placement of Vertices Along a Curve

Lines should begin and end at vertices collocated (i.e., exactly at the same coordinate) with features (often point feature types) designed to join two or more linear features, as shown in Figure 5. An example is electrical conduit lines that are joined only at junction boxes and other similar point features. For lines not naturally joined by physical features (e.g., marking lines), beginning and ending nodes should be placed where an attribute or other property change occurs.

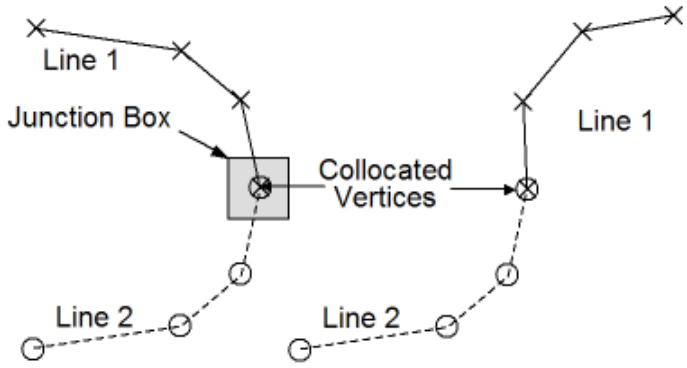

Figure 5. Collocation of Line End Points

2. **Polygon Feature Types:** Polygons must always be closed, meaning all vertices must be shared by two adjacent line segments forming the edges of the polygon, as shown in Figure 6.

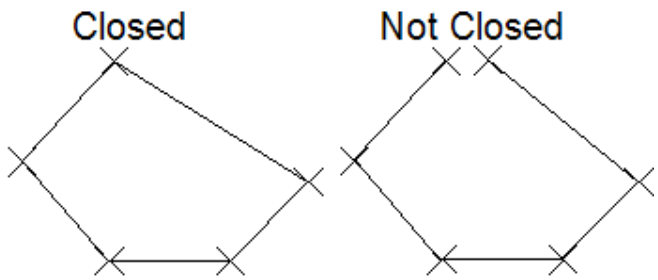

Figure 6. Examples of Closed and Unclosed Polygons

Unless otherwise stated, polygons must not overlap other polygons of the same feature type, as shown in Figure 7. This includes polygons placed on top of other polygons, as well as small overlapping splices because one or more vertices of adjacent sides are not matched. Polygons placed within (e.g., a 'doughnut hole') a larger polygon (e.g., the 'doughnut') which do not overlap are acceptable, because they describe a physically different space from the surrounding polygon.

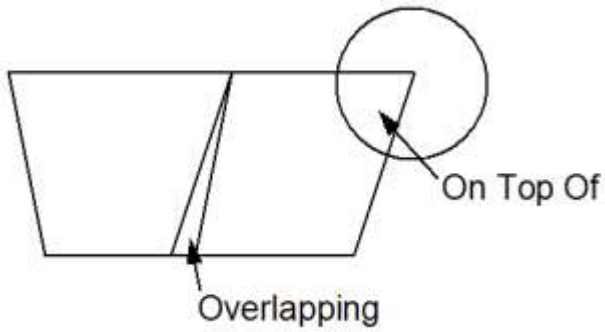

Figure 7. Overlapping Polygons

Polygons must share vertices with adjacent polygons where the real-world features they represent are adjacent, as shown below in Figure 8. This rule applies to polygons in the same feature type as well as polygons of different but related feature types.

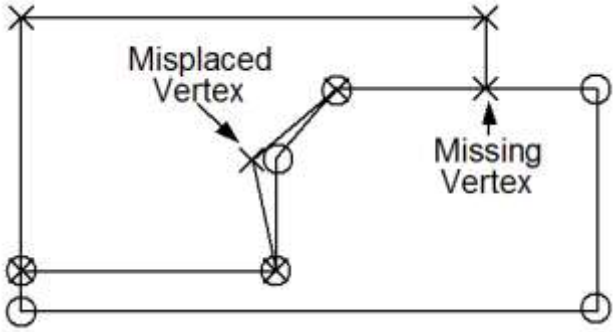

Figure 8. Placement of Vertices of Adjacent Polygons

2.3 Relationship of GIS & CADD Layers

Because many more CADD layers can be used to represent the same features represented on far fewer GIS layers, there is a natural many-to-one matching of CADD to GIS layers. The specific relationship of CADD layers that correspond to GIS layers is shown in the CADD-to-GIS crosswalk in Appendix 2.

3 ATTRIBUTES & DOMAINS

Attributes add descriptors to the geometry of a feature. Attributes can contain information such as the name, type, or condition of a feature. For example, the attributes of a runway include its designator (e.g., 15R/33L), material type (e.g., concrete), and length (e.g., 6,500 feet). Figure 9 below shows a typical list of attributes associated with a Feature type.

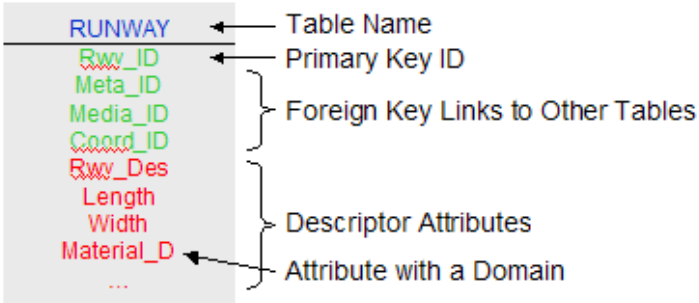

Figure 9. Sample Attribute Table for a Feature Type

3.1 Common Attributes

Several attributes are common to all feature classes in this standard. Some of these are used for naming and identification purposes. Others provide a reference to the project that installed or first recorded the location of the feature. Other attributes provide additional information about the data. Following is a list of these common attributes (with the exception of common metadata attributes that are described in the next section:

- guid - A globally unique identifier (GUID) applied to each feature in the database for reference by GIS and other information systems. When GIS data are submitted to MAA and uploaded into the GIS Data Repository, each record will also be assigned a GUID, which means that no other records have the same identifier. Application modules will use this GUID to track features as they are modified. If users who download data encounter such GUIDs, they are required to retain the GUIDs and submit them, unaltered, with subsequent revisions, to the features they downloaded.

  The format of the GUIDs to be used is described in Figure 11 below. A numeric ID is used that contains the FAA region, airport location ID, feature type, date, and a timestamp. Since FAA region, airport location, and feature type are text values, corresponding numeric values have been assigned in the domain tables found in Appendix 1.

Figure 11
Format for Globally Unique Primary Keys

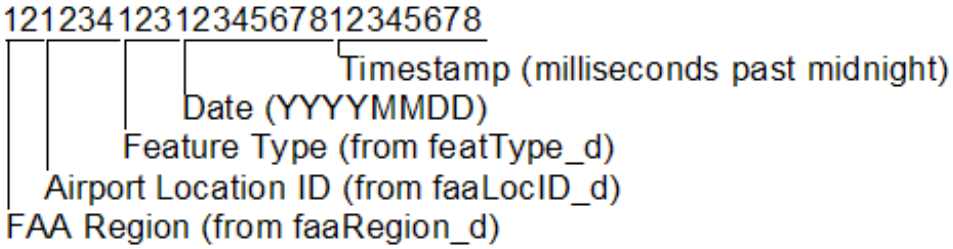

Figure 10. Format for Globally Unique Primary Keys

- maaId - A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value). Refer to MAA's Naming, Identification and Addressing Standard for additional requirements that may apply to the assignment of identifiers.
- maaAlias - An alternative or former name by which the feature is referred.
- status - A temporal description of the operational status of the feature.
- alternative - Discriminator used to tie features of a plan or proposal together into a version.
- projectType - The type of project or work activity that installed or first recorded the location of this feature. At MAA, projects can be carried out under Contracts, Tasks, Subtasks, Building Permits, and Installation Permits.
- projectId - A unique identifier associated with the project or work activity that installed or first recorded the location of this feature. These project IDs should conform to the following conventions.
    - Currently MAA contracts are assigned numbers formatted as ORG-TY-YY-NNN, where ORG is a three digit identifier for the originating organization. In most but not all cases, this is "MAA". TY is a two character indicator of the contract type. Key examples include "AE" for design contracts and "CO" for construction contracts. YY is a two digit representation of the year (e.g. 96 for 1996 and 02 for 2002). NNN is a unique sequential number that starts at 001 for the first contract of that type issues for a given fiscal year and is incremented by 1.
    - AE Contracts can have zero, one or more tasks, tasks can have zero, one or more Subtasks. CO contracts can have zero, one or more tasks but do not have subtasks.
    - Tasks under design contracts (referred to as design tasks) are assigned four digit task numbers that are unique to the design contract (e.g. 2412). Subtasks under design contracts carry the four digit task number and then a two digit sequential number after a decimal point (e.g. 2412.12). These task numbers were assigned sequentially starting at 1 in the early 1990s. Blocks of numbers are assigned to certain contracts, but not all may end up being used, so there is a possibility that task numbers have been skipped.
    - Tasks under construction contracts (referred to as construction tasks) are assigned a sequential number that starts with 1 for each contract and is therefore not unique. These are not widely used outside of construction at MAA.
- userFlag – This attribute can be used for any purpose desired by the end user Often, this attribute is used to store relevant identifiers, notes or metadata that is accommodated elsewhere. The

FAA's Airports GIS also accommodates this attribute, so values entered into this attribute will be retained upon upload of required feature classes to the FAA.

3.2 Domain Values

The values assigned to an attribute are sometimes limited. The range of acceptable values is referred to as the domain for that attribute. Domains that limit attribute values to a range of numeric or date values are referred to as range domains. List domains limit values to a selection of choices. If users can add values to a list of acceptable values and still be compliant with the standard, the list is referred to as a code list. A list that users cannot add to is referred to as an enumeration. In this standard, all of the list domains are enumerations. To distinguish attributes that are limited to a domain, the name of each attribute ends with "_D". For each such attribute, there is an associated table in Appendix 1 listing the acceptable values and their definitions.

3.3 Foreign Key Identifiers

Attributes containing primary key values of related records in other feature type tables are called foreign key identifiers. Foreign key identifiers provide a link between different types of features with logical relationships. For example, the data for a taxiway leading to a runway might contain a foreign key to the runway table that is populated with the primary key value for that runway.

4 METADATA

Metadata is information about the data, such as the data source, accuracy, and the dates during which the data are valid. As described below, metadata can be created at several different levels. Per this standard, metadata is required at the collection level when data are submitted. However, the standard accommodates metadata elements at the feature type and feature level. More detailed metadata increases the usefulness and longevity of the data provided. Accordingly, data providers are encouraged to submit metadata at the most detailed level possible.

4.1 Collection Level Metadata

Collection level metadata is used to describe a collection of data submitted at one time. A collection may comprise of one or more drawings that contain several layers such as those that make up an ALP, several individual shapefiles that each represent a layer, a single layer stored in a shapefile, or any other combination of allowable data sets.

4.2 Feature Type Metadata

Feature type metadata, also known as layer level metadata, is used to describe geometry and attributes for a single layer or feature type. This is the case with metadata that is compliant with the FGDC Content Standard for Digital Geospatial Metadata (CSDGM). This level of metadata applies if different layers within a collection have different metadata.

4.3 Feature Level Metadata

Feature level metadata is handled by storing metadata in attributes associated with specific features. All feature classes in the standard carry the following metadata elements (as attributes) for this purpose.

- metaId - An identifier used to refer to a metadata record that provides additional information about the data in this record. This is a foreign key link to a database table that can be used to store additional metadata relevant to this feature.
- sourceStatement - A statement providing additional details about the source of the data.
- editorName - The name of the individual who last edited this data.
- lastUpdate - The date upon which any data associated with this record was last updated.

4.4 ISO 19915

This standard uses metadata elements defined by the ISO Geographic Information – Metadata Standard (ISO 19115). Of the 409 elements defined in ISO 19115, only 25 are used by this standard, because many of the elements defined in ISO are classified as optional or conditional and do not apply to this standard. Furthermore, some of the mandatory elements in the ISO standard are redundant with the specifications of this standard and are therefore not necessary for data exchange. Figure 11 lists each metadata element used in this standard along with the level of applicability.

List of Metadata Elements Required by MAA

	Collection	Set	Feature
Overview			
abstract	✓	✓	✓
status	✓	✓	✓
geometricObjectCount	✓	✓	
Scope			
dataset	✓		
features	✓	✓	
attributes			✓
Useage			
specificUsage	✓	✓	✓
BegusageDateTime	✓	✓	✓
endUsageDateTime	✓	✓	✓
Source			
statement	✓		
individualName	✓		
organizationName	✓		
positionName	✓		
deliveryPoint	✓		
city	✓		
administrativeArea	✓		
postalCode	✓		
electronicMailAddress	✓		
voicePhoneLine	✓		
Coordinate System			
projection	✓	✓	
horizontalDatum	✓	✓	
verticalDatum	✓	✓	
code	✓	✓	
Data Quality			
horizontalAccuracy	✓	✓	✓
verticalAcuracy	✓	✓	✓
evaluationMethodName	✓	✓	✓
evalutionMethodDescription	✓	✓	✓
pass	✓	✓	✓
groundSampleDistance	✓	✓	✓

Figure 11. List of Metadata Elements Required by MAA

Figure 12 provides a description of the metadata elements required per this standard. These elements have been extracted from ISO 19115.

Metadata Element	**Definition**
Overview	
abstract	Description of the contents of the data collection being submitted
status	Status of the the data being submitted. Acceptable values are (completed, historical, archive, obsolete, onGoing, planned, required, under development)
geometricObjectCount	Number of feature instances being transmitted
Scope	
dataset	List of feature classes to which the metadata pertains (separated by commas)
features	List of feature names to which the metadata pertains (separated by commas)
attributes	List of attribute names to which the metadata pertains (separated by commas)
Usage	
specificUsage	Description of how the data should be used
BegUsageDateTime	The first dateltime for which the data described by the scope is valid
EndUSageDateTime	The last dateltime for which the data described by the scope is valid
Source	
statement	Description of the source of the data
individualName	Name of the person submitting the data
organizationName	Organization of the person submitting the data
positionName	Title of the person submitting the data
deliveryPoint	Street address of the person submitting the data
city	City of the location
administrativeArea	State
postalCode	Zip Code
electronicMailAddress	E-mail address
voicePhoneLine	Telephone number by which individuals can speak to the responsible organization or individual
Coordinate System	
projection	Name of the projection used (SPCS, LL)
horizontalDatum	Horizontal datum of submitted data
verticalDatum	Vertical datum of submitted data

Metadata Element	Definition
code	Four digit code for the state place coordinate system used. A list of codes can be found in NOAA manual NOS NGS 5.
Data Quality	
horizontalAccuracy	Horizontal accuracy of the dataset
verticalAccuracy	Vertical accuracy of the dataset
evaluationMethodName	Name of the evaluation method used
evaluationMethodDescription	Description of the evaluation method used
pass	lndicatation of whether data described by the scope passed or failed in evaluation
groundSampleDistance	The distance of the ground sample

Figure 12. Description of the Metadata Elements Required by MAA

4.5 Temporal Relevance

One of the most critical metadata elements to the aviation industry is time. The frequency with which airport infrastructure changes requires spatial data to possess an indication of the time period for which the data are valid. For example, the existence of a runway may be valid from the time it was authorized for use until further notice. This standard defines the beginning and ending date and time for which each feature instance is valid. All features must have a beginning date (i.e., data are valid until further notice), an ending date (i.e., the data expire at a specified time), or both (i.e., the data are valid only during the period specified). These values are held in the begUsageDateTime and endUsageDateTime metadata elements defined in Figure 12.

4.6 Accuracy

Accuracy is one metadata element that is particularly important to airport GIS applications. Accuracy is broadly defined as *the quality of nearness to the true value*. For the exchange of data as specified in this standard, it is important to be more specific. This standard, therefore, provides limits for the absolute horizontal positional accuracy of each feature type. These limits are described as a maximum number of feet between a feature's actual position and the position indicated in the data provided. The actual position is defined as the feature's true location on the specified geoid. Since the earth's surface has many variations, it is approximated by a geoid. The difference between a feature's true and recorded positions is required at a 95% confidence level. This means that statistically, 95% or more of the features provided fall within the required accuracy limit.

For some feature classes, particularly for FAA required feature classes, vertical accuracy limits are also provided. These accuracies are expressed as the maximum number of feet a feature's recorded elevation can differ from its actual elevation. Again, the actual elevation is measured from the geoid elevation at that location. Elevations are also to be provided at a 95% confidence level.

Accuracy requirements are driven by the way the data are to be used. The location of an airport on a map used for aircraft navigation must be much more accurate than its location on a national map of airports provided for general information purposes.

The accuracy guidelines provided in this standard have been derived from several sources, including FAA AC 150/5300-18B, RTCA User Requirements for Aerodrome Mapping Information, FGDC Geospatial Positioning Accuracy Standards-Part 4 (sources are indicated in order of precedence). Further information on accuracy definitions and methods to assess the accuracy of existing data can be found in the FGDC Geospatial Positioning Accuracy Standards-Part 3: National Standard for Spatial Data Accuracy (FGDC-STD-007.3-1998).

4.7 Security Sensitivity Levels

Sensitivity level is another important metadata element. Because spatial data can be used for nefarious purposes, the data must be protected from unauthorized users. The Code of Federal Regulations (49 CFR 1520) defines Sensitive Security Information (SSI) and methods for protecting the information. Protecting sensitive spatial data is therefore not just good practice, it is the law. However, overly protecting data limits the information's usefulness, in many cases needlessly. The challenge is to restrict data to users having an *operational need to know* and whose credentials the data provider has qualified. Relative to spatial data, this challenge is particularly complex because of the wide variety of data users and ways in which they need to use the data. An efficient way to restrict access to spatial data is to apply specific restrictions at the feature type level. This standard applies one of the following sensitivity levels to each feature type. The sensitivity levels are based on the MAA Spatial Data Security Standard and conform to the classifications listed in the MD_ClassificationCode list in ISO 19115.

- **Unclassified** data are available for general disclosure.
- **Restricted** data are not available for general disclosure.
- **Confidential** data are available for users that can be trusted with the information.
- **Secret** data are to be kept or intended to be kept private, unknown, or hidden from all but a select group of people.
- **Top Secret** data are of the highest secrecy. At MAA, this classification is reserved for SSI. MAA defines SSI as data that depicts the location of Controlled Access Security System (CASS), Closed Circuit Television (CCTV), Flex Response System, and Computer Aided Dispatch (CAD) system and their components. Individuals who require or are provided with this type of information must abide by the requirements of Section 2.2 of the MAA Design Standards.

Since sensitivity levels are established for each feature type by this standard (See Appendix 1), it is not necessary to include this information (i.e., a classification code in ISO terminology) in the metadata.

5 COORDINATE SYSTEM

Horizontal spatial data shall be submitted to, maintained by, and provided by MAA in the Maryland Coordinate System of 1987, also referred to as Maryland State Plane. Following are the parameters of the Maryland Coordinate System of 1987:

Map Projection:	Lambert conic conformal projection of the geodetic reference system of 1980
Horizontal Datum:	NAD83 (2001)
Latitude of Origin*:	37°40 North latitude
Central Meridian:	77°00' West longitude
Standard Parallel 1:	38°18' North latitude
Standard Parallel 2:	39°27' North latitude
False Easting*:	400,000 meters
False Northing*:	0 meters
Latitude**:	37°34' 38.14264" N
Longitude**:	81°31' 45.07877" W

** at the 77th meridian*
*** at artificial origin (0,0)*

Vertical spatial data shall be submitted to, maintained by, and provided by MAA based on the National Geodetic Vertical Datum of 1988 (NGVD88).

All units for both horizontal and vertical data will be the U.S. Survey Foot (1200/3937 meters).

6 ELECTRONIC DELIVERABLES

6.1 General

MAA requires GIS data and associated metadata to be submitted with the "Conformed" and "As-Built" submittals for all construction projects at BWI Marshall and MTN airports unless otherwise specified by the MAA Project Manager.

6.2 Delivery of Data to MAA

GIS data should be submitted to MAA in an Esri File Geodatabase or shapefile (.shp) format. Geodatabase feature classes and shapefiles must be named for the feature type they represent (e.g., RunwayElement). They must also contain relevant attributes for the feature type they represent. Attributes that are covered in this standard must be named as they are in Appendix 1. Attributes defined in this standard that are not used need not be included. Attributes that a data submitter uses but which are not defined in this standard may be included.

Shapefiles or collections of shapefiles should be submitted on CD-R, CD-R/W, or DVD with the session closed to ensure maximum cross platform readability. Electronic delivery via a secure FTP site, on-line document repository, or other system must be approved by the MAA Project Manager. All electronic deliverables must be virus free.

CD/DVD Labels: Each CD/DVD shall include a CD/DVD label with the following information (sample files for the standard CD/DVD label are provided with this Design Standard distribution):

- Construction Contract Title: *Insert Complete Contract Title*
- Construction Contract No.: *MAA-CO-XX-XXX (Insert Complete Contract Number)*
- Construction Task No.: *Insert if Applicable*
- Construction Contract Task Title: *Insert Complete Task Title (If Applicable)*
- Design Task Number: *Insert A/E Task Number*
- Airport Logo: *Insert BWI Marshall or MTN AIRPORT as Applicable*
- Consultant Logo: *Insert Consultant Logo*
- SSI Notice: *Insert SSI Warning Notice on all disks containing SSI*
- Submission Status: *Insert "Advertisement", "Addendum Number XX", "Conformed Documents", etc. as applicable*
- Date: *Insert MONTH, DAY, YEAR*
- CD/DVD Number *X* of *XX (Insert Data)*

The root directory of the delivered CD/DVD should contain a text file named ReadMe.txt that repeats the information contained on the label as well as the following:

- Contact information for the individual responsible for submitting the document(s);
- Brief explanation of CD directory structure if subdirectories are used;
- Any other comments necessary to convey the contents of the CD.

Data provided via FTP, e-mail, or uploaded to MAA or designated consultant repositories maintained on MAA's behalf should contain the same structure and information as data submitted on CDs/DVDs with the exception of the cover and label, as explained above.

If data delivered on DVD or CD contains SSI (i.e. information about or depicting Controlled Access Security System, Closed Circuit Television, Flex Response System, Computer Aided Dispatch Systems), the following should be added to the CD/DVD cover and label.

This statement should also be included in the ReadMe.txt file described above, which should be renamed MustRead(Contains SSI).txt.

Sensitive Security Information

Warning: This media contains Sensitive Security Information that is controlled under 49 CFR 1520. No part of this record may be disclosed to persons without a need to know, as defined in CFR 1520, except with the written permission of the TSA Administrator, Washington, D.C.. Unauthorized release may result in civil penalty or other action. For U.S. government agencies, public disclosure is governed by 5 U.S.C. 552.

6.3 Delivery to be Submitted to the FAA

Esri shapefiles that comply with AC150/5300-18B must be provided when data is to be submitted to the FAA Airports GIS System. This requirement will be defined in the project scope if relevant. The shapefiles to be submitted to the FAA should be provided in a compressed ZIP file that is ready for upload to the FAA Airports GIS web site. If consultants who submit data are authorized FAA Airports GIS users, they should perform a test upload of this zip file to the FAA Airports GIS and ensure that any critical errors identified are resolved and all non-critical errors are either resolved or that a valid explanation for each type of error is provided (e.g. "out of scope"). Where required by the FAA, the consultant shall prepare a project final report and supporting data as defined in AC150/5300-18B and supporting documentation published by the FAA and NGS. The designated Airport Sponsor at MAA will perform the final upload of the data to the FAA Airports GIS site. The process for performing this upload, which is very similar to the process of performing a test upload is described below:

1. Log onto at https://airports-gis.faa.gov/
2. Click "My Survey Projects" or, if performing a test upload, "Test Survey File".
3. Select the desired project or, if performing a test upload, enter the airport code.
4. If uploading data for final submittal to the FAA, click the "Survey" tab.
5. Specify that the feature schema is AC150/5300-18B compliant.
6. Point to the ZIP file stored on a local or network drive.
7. Specify that the file format is ESRI SHP.
8. Specify the coordinate system is MD83F.
9. Check the box indicating that the data meets AC150/5300-18 accuracy requirements or indicate alternative horizontal and vertical accuracies that were achieved at the 95% confidence level.
10. If uploading the data for final submittal, add a relevant description that would help the FAA or NGS understand what data is being provided.
11. Click submit.
12. After the data is uploaded, which can take several minutes, translation, and automated validation will commence. After validation is compete, an error report will be provided. If no critical errors are found then the data can be submitted (except in the case of a test upload where data is not retained by the FAA). If a final report is required, it must be uploaded as well before the data can be submitted. Simply uploading the data does not constitute submitting it to

the FAA. The Airport Sponsor must first click the Submit button before the FAA and/or NGS will take further action.

13. If errors are found, they should be addressed and this process should be repeated.

After data is submitted, safety critical data will be verified by the FAA and/or NGS. If issues are found, the data submittal will be rejected and a detailed Quality Review Report (QRR) will be provided indicating the issues that must be resolved. Once resolved, the data should be resubmitted as described above. Once accepted, the data will be available for use in eALP and other FAA Airports GIS modules by authorized FAA personnel, as well as, airport staff and consultants that the Airport Sponsor has authorized.

7 GLOSSARY OF ACRONYMS AND TERMS

The following acronyms have been used in this standard:

AC	Advisory Circular
ADCAT	Airport Data Collection and Analysis Tool
A/E/C	Architecture Engineering and Construction
AIA	American Institute of Architects
AIS	Aeronautical Information Services
AIXM	Aeronautical Information Exchange Model
ALP	Airport Layout Plan
ANSI	American National Standards Institute
AOC	Airport Obstruction Chart
ASTM	American Society for Testing and Materials
CADD	Computer Automated Drafting & Design
CSDGM	Content Standard for Digital Geospatial Metadata
DGN	Microstation Design File
DOD	U.S. Department of Defense
DOT	U.S. Department of Transportation
DWG	Autodesk Drawing File
FAA	Federal Aviation Administration
FGDC	Federal Geographic Data Committee
GIS	Geographic Information System
GML	Geographic Markup Language
ICAO	International Civil Aviation Organization
ISO	International Organization for Standards
NAD	North American Datum
NGA	National Geospatial Intelligence Agency
NGS	National Geodetic Survey
NGVD	National Geodetic Vertical Datum
RTCA	Radio Technical Commission for Aeronautics
SDSFIE	Spatial Data Standards for Facilities, Infrastructure and Environment
SSI	Sensitive Security Information
USGS	U.S. Geological Survey

The key terms and phrases used in this standard are defined below:

Attributes or **attribute data** are alphabetical and/or numeric information that describes particular characteristics of a geospatial feature, such as its type, dimensions, usage, occupant, etc.

A **collection** is any combination of data that are submitted by a provider at a given time.

Geospatial data or **geospatially-referenced data** are data that depict natural or manmade elements that occupy a specific location on the face of the earth. Examples include a runway, building, river, or underground pipe. Geospatial features or a particular type (i.e., all runways) are often referred to as a feature type, data set, or layer of spatial data.

A **feature** is a manmade or natural object such as a building, runway, navigational aid, or river that appears in the real world. A **feature type** refers to a collection of all features of a given type, such as all runways or all buildings. feature types are analogous to layers in many GIS applications and are also referred to as Entity Types and Feature Classes in other standards.

Metadata is information about the data, such as source, accuracy, dates for which the data are valid, and security classification. Metadata is essential in helping users determine the extent to which they can rely on a given data item to make decisions.

An **orthophoto** is an aerial image that has been taken from above (either from an aircraft or a satellite) and has been spatially corrected so that features shown on the photo are displayed in their actual geographic position within a specified range of tolerance.

Photogrammetric refers to the process of creating vector data, such as building outlines and elevation contours, from stereo imagery, or pairs of images taken of the same location but at different angles.

Positional accuracy refers to the difference between a geospatial feature's displayed position and its actual position. Absolute positional accuracy is the difference between a geospatial feature's displayed position and its actual position on the face of the earth. Relative positional accuracy is the difference between a geospatial feature's displayed position and that of other geospatial features in the same data set.

Spatial data are data that depict a real world feature such as a road, building, or runway on a map. The most basic types of spatial data are points, lines, and polygons, but spatial data can also include orthophotos and other more complex forms of locational information

Maryland Aviation Administration

Office of Design & Construction

GEOGRAPHIC INFORMATION SYSTEM DATA STANDARD

Appendix 1 – GIS Feature Types

Version 2.0

July 2013

APPENDIX 1- GIS Feature Types

This appendix lists each of the 88 GIS feature types defined by this document. MAA's GIS Data Standard also includes 271 utility feature types, which are defined in the MAA GIS Data Standard – Utilities Supplement.

The feature types defined in this document are grouped into categories (i.e., Airfield, Airspace, Environmental, etc.) for ease of use. For each feature type, the class name, geometry type, sensitivity level, and a definition are provided. Suggested accuracies are also provided. Accuracies are indicated at a reasonable level that will meet a broad range of end user requirements. Individual project scopes, technical limitations and other factors may require data to be of a higher or lower level of accuracy. Attributes are also provided along with their type and definition. The following figure provides a key to the information provided within this Appendix.

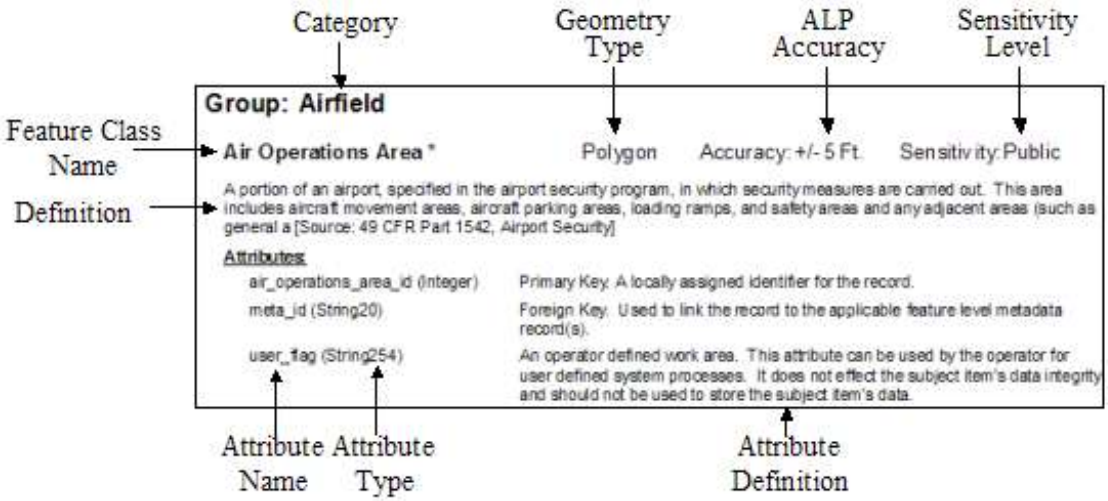

Figure 1. Appendix 1 Legend

DATA SET: AIRFIELD 10
AIRFIELD : AIRCRAFT GATE STAND 10
AIRFIELD : AIRCRAFT NON MOVEMENT AREA 10
AIRFIELD : AIRFIELD LIGHT 11
AIRFIELD : AIR OPERATIONS AREA 12
AIRFIELD : AIRPORT SIGN 12
AIRFIELD : APRON 13
AIRFIELD : ARRESTING GEAR 13
AIRFIELD : DEICING AREA 14
AIRFIELD : FREQUENCY AREA 15
AIRFIELD : MARKING AREA 15
AIRFIELD : MARKING LINE 16
AIRFIELD : MOVEMENT AREA 17
AIRFIELD : PASSENGER LOADING BRIDGE 17
AIRFIELD : RESTRICTED ACCESS BOUNDARY 18
AIRFIELD : RUNWAY 18
AIRFIELD : RUNWAY ARRESTING AREA 19
AIRFIELD : BLAST PAD 20
AIRFIELD : RUNWAY CENTERLINE 20
AIRFIELD : RUNWAY ELEMENT 21
AIRFIELD : RUNWAY END 22
AIRFIELD : RUNWAY HELIPAD DESIGN SURFACE 23
AIRFIELD : RUNWAY INTERSECTION 23
AIRFIELD : RUNWAY LABEL 24
AIRFIELD : LAND AND HOLD SHORT LINE 25
AIRFIELD : RUNWAY SAFETY AREA BOUNDARY 25
AIRFIELD : SHOULDER 26
AIRFIELD : STOPWAY 27
AIRFIELD : TAXIWAY ELEMENT 27
AIRFIELD : TAXIWAY HOLDING POSITION 28
AIRFIELD : TAXIWAY INTERSECTION 29
AIRFIELD : TOUCHDOWN LIFT OFF 30

DATA SET: AIRSPACE 30
AIRSPACE : LANDMARK SEGMENT 30
AIRSPACE : OBSTACLE 31
AIRSPACE : OBSTRUCTION AREA 32
AIRSPACE : OBSTRUCTION IDENTIFICATION SURFACE 33
AIRSPACE : RUNWAY PROTECTION AREA 34
DATA SET: CADASTRAL 35
CADASTRAL : AIRPORT BOUNDARY 35
CADASTRAL : AIRPORT PARCEL 35
CADASTRAL : COUNTY 36
CADASTRAL : EASEMENTS AND RIGHTS OF WAY 37
CADASTRAL : FAA REGION 38
CADASTRAL : LAND USE 38
CADASTRAL : LEASE AREA 39
CADASTRAL : LEASE AREA 40
CADASTRAL : MUNICIPALITY 40
CADASTRAL : PARCEL 41
CADASTRAL : STATE 42
CADASTRAL : ZONING 42
DATA SET: ENVIRONMENTAL 43
ENVIRONMENTAL : ENVIRONMENTAL CONTAMINATION AREA 43
ENVIRONMENTAL : FAUNA HAZARD AREA 44
ENVIRONMENTAL : FLOOD PLAIN 45
ENVIRONMENTAL : FLORA SPECIES SITE 45
ENVIRONMENTAL : FLORA HABITAT AREA 46
ENVIRONMENTAL : HAZARDOUS MATERIAL STORAGE SITE 46
ENVIRONMENTAL : NOISE CONTOUR 47
ENVIRONMENTAL : NOISE INCIDENT 47
ENVIRONMENTAL : NOISE MONITORING POINT 48
ENVIRONMENTAL : SAMPLE COLLECTION POINT 49
ENVIRONMENTAL : SHORELINE 49
ENVIRONMENTAL : WETLAND 50
DATA SET: GEODETIC 51
GEODETIC : AIRPORT CONTROL POINT 51

GEODETIC : REFERENCE GRID LINE 51
GEODETIC : REFERENCE GRID CELL 52
GEODETIC : ELEVATION CONTOUR 53
GEODETIC : IMAGE AREA 53
GEODETIC : IMAGE LOCATION 54
DATA SET: INTERIOR 55
INTERIOR : BAGGAGE CAROUSEL 55
INTERIOR : BAGGAGE CONVEYOR 55
INTERIOR : COLUMN 56
INTERIOR : BUILDING ZONE 57
INTERIOR : CEILING TILE 57
INTERIOR : CHASE 58
INTERIOR : COLUMN GRID 59
INTERIOR : COLUMN LINE 59
INTERIOR : DISPLAY CASE 60
INTERIOR : DOOR 60
INTERIOR : ELEVATOR 61
INTERIOR : ESCALATOR 62
INTERIOR : FLOOR 63
INTERIOR : FLOORING MATERIAL 63
INTERIOR : FURNISHING 64
INTERIOR : INTERIOR SIGN 64
INTERIOR : LADDER 65
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INTERIOR : PASSENGER GATE 67
INTERIOR : ROOM 68
INTERIOR : SPACE 69
INTERIOR : STAIR 69
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SEAPLANE : SEAPLANE RAMP CENTERLINE 76
SEAPLANE : SEAPLANE RAMP SITE 77
SEAPLANE : TAXI CHANNEL 77
SEAPLANE : TURNING BASIN 78
SEAPLANE : WATER LANE END 79
SEAPLANE : WATER OPERATIONS AREA 80
DATA SET: SECURITY 81
SECURITY : SECURITY AREA 81
SECURITY : SECURITY IDENTIFICATION DISPLAY AREA 81
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STRUCTURES : BUILDING 83
STRUCTURES : PROJECT AREA 84
STRUCTURES : FENCE 85
STRUCTURES : GATE 85
STRUCTURES : ROOF 86
STRUCTURES : TOWER 87
DATA SET: SURFACE_TRANSPORTATION 87
SURFACE_TRANSPORTATION : BRIDGE 87
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SURFACE_TRANSPORTATION : DRIVEWAY CENTERLINE 88
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SURFACE_TRANSPORTATION : ROAD SEGMENT 92

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CODEBOOLEAN 97
CODEBRIDGETYPE 97
CODEBUOYTYPE 97
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CODEIMAGETYPE 117
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CODEMARKINGFEATURETYPE 122
CODEMATERIALTYPE 123
CODEMONUMENTTYPE 123
CODENAVAIDEQUIPMENTTYPE 124
CODENAVAIDSYSTEMTYPE 124
CODEOBSTACLESOURCE 125
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CODEOBSTRUCTIONAREATYPE 127
CODEOFFSETDIRECTION 127
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CODESTATUS 133
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CODEZONETYPE 138

Data Set: Airfield

Airfield : Aircraft Gate Stand

(Database Feature Class Name = AircraftGateStand; FAA=AircraftGateStand)
Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted
Geographic position of painted stand positions on the stand guidance line usually marked by a yellow crossbar according to aircraft type (e.g., for B-747, A-340).

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
gateStandType (CodeGateStandType)	The type of aircraft gate/stand.
wingspan (Integer)	The quantity representing the maximum wingspan which can be accommodated at the aircraft gate stand.
length (Integer)	The overall length of the aircraft gate stand.
width (Integer)	The overall width of the aircraft gate stand.
pavementClassificationNumber (String10)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load.[AC 150/5335-5A].
jetwayAvailability (CodeBoolean)	Indicates if a jetway or passenger loading bridge is available for use at the designated location.
towingAvailability (CodeBoolean)	Indicates if towing is available at the designated location.
dockingAvailability (CodeBoolean)	Indicates if docking light system is available at the designated location.
groundPowerAvailability (CodeBoolean)	Indicates the availability of ground power at the designated location.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Aircraft Non Movement Area

(Database Feature Class Name = AircraftNonMovementArea; FAA=AircraftNonMovementArea)
Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted
Taxiways and apron (ramp) areas not under the control of air traffic.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Airfield Light

(Database Feature Class Name = AirfieldLight; FAA=AirfieldLight)

Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted

Any lighting located within or near an airport boundary that provides guidance for airborne and ground maneuvering of aircraft. [AIM, AC 150/5340-24].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Use this attribute to identify the use of the light such as Runway Edge Light, Taxiway Edge Light, Taxiway Centerline Light, etc.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
lightingType (CodeLightingConfigurationType)	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction
color (CodeColor)	The color of the airfield light.
luminescence (Integer)	The luminescence of the airfield light specified in candellas (cd).
pilotControlFrequency (Real)	The radio frequency used by pilots to control various airport lighting systems

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Air Operations Area

(Database Feature Class Name = AirOperationsArea; FAA=AirOperationsArea)
Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Unclassified
Air Operations Area is where security measures are enforced as specified in the airport security program. This area includes aircraft movement areas, aircraft parking areas, loading ramps, and safety areas and any adjacent areas (such as general aviation [49 CFR Part 1542, Airport Security*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Airport Sign

(Database Feature Class Name = AirportSign; FAA=AirportSign)
Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted
Signs at an airport other than surface painted signs. [AC 150/5340-18].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the improvement feature.
signType (CodeSignTypeCode)	The type of sign.
height (Real)	The overall height of the feature.
message (String254)	The text message that appears on the sign.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Apron

(Database Feature Class Name = Apron; FAA=Apron)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A defined area on an airport or heliport, paved or unpaved, intended to accommodate aircraft for purposes of loading or unloading passengers or cargo, refueling, parking, or maintenance. [FAA].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
apronType (CodeApronType)	A classification of the typical use for the apron
numberOfTiedowns (Integer)	The approximate number of tiedowns in the surface.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
pavementClassificationNumber (String10)	A number that expresses the relative load-carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5A].
fuel (CodeFuel)	Code indicating the types of fuel available at the apron or deliverable to the apron.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Arresting Gear

(Database Feature Class Name = ArrestingGear; FAA=ArrestingGear)

Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted

Location of the arresting gear cable across the runway. [RTCA DO-272].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
airportFacilityType (CodeOperationsType)	Type of airfield.
owner (Enumeration60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Deicing Area

(Database Feature Class Name = DeicingArea; FAA=DeicingArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Unclassified

An aircraft deicing facility is a facility where: (1) frost, ice, or snow is removed (deicing) from the aircraft in order to provide clean surfaces and/or (2) clean surfaces of the aircraft receive protection (anti-icing) against the formation of frost or [AC 150/5300-13*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A brief description of the area and any special characteristics.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Frequency Area

(Database Feature Class Name = FrequencyArea; FAA=FrequencyArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Unclassified

Area specifying the designated part of the surface movement area where a specific frequency is required by ATC or ground control. If there is only one frequency area for the airport, the polygon must cover the total air operations area. [RTCA DO-272].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
station (String30)	Service or Station assigned to primary frequency (e.g., ATC Tower, Ground Control)[RTCA DO-272].
frequency (Real)	Primary frequency used on frequency area (in MHZ).[RTCA DO-272].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Marking Area

(Database Feature Class Name = MarkingArea; FAA=MarkingArea)

Geometry Type: Polygon Accuracy: +/-2Ft. Sensitivity: Unclassified

Markings used on runway and taxiway surfaces to identify a specific runway, a runway threshold, a centerline, a hold line, etc. An element of marking whose geometry is a polygon. [AC 150/5340-1 and RTCA DO-272].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the feature.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
color (CodeColor)	The color of the marking

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Marking Line

(Database Feature Class Name = MarkingLine; FAA=MarkingLine)

Geometry Type: Line Accuracy: +/-2Ft. Sensitivity: Restricted

Markings used on runway and taxiway surfaces to identify a specific runway, a runway threshold, a centerline, a hold line, etc. An element of marking whose geometry is a line. [AC 150/5340-1, RTCA/DO-272].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the feature.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
color (CodeColor)	The color of the marking

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Movement Area

(Database Feature Class Name = MovementArea; FAA=MovementArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

Runways, taxiways, and other areas of an airport used for taxiing or hover taxiing, air taxiing, takeoff, and landing of aircraft, exclusive of loading ramps and aircraft parking areas. [14 CFR Part 139].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

name (String50)	Name of the feature
description (String255)	Description of the feature

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Passenger Loading Bridge

(Database Feature Class Name = PassengerLoadingBridge; FAA=PassengerLoadingBridge)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A bridge for loading/unloading access to airplanes for passengers and crew.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name, code or identifier used to identify the loading bridge.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
loadingBridgeType (CodeLoadingBridgeType)	Code indicating the type of loading bridge.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Restricted Access Boundary

(Database Feature Class Name = RestrictedAccessBoundary; FAA=RestrictedAccessBoundary)
Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Confidential
A restricted area boundary identifies areas strictly reserved for use by authorized personnel only. [NGS*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A common name for the restricted area.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the restricted area.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway

(Database Feature Class Name = Runway; FAA=Runway)
Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted
A rectangular area on a airport prepared for the landing and takeoff run of aircraft. [AC 150/5300-13*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
runwayDesignator (String7)	Designator of the runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L)[AC 150/5340-1].

Attributes:

description (String255)	Description of the feature
width (Real)	A perpendicular line to the surface centerline, extending to the edge of the runway pavement on both sides of the runway, through a runway end-point. If the runway width is less than 100 feet, the width is rounded up to the nearest 5 feet. If the runway w[NGS].
length (Real)	The straight line distance between runway end points. This line does not account for surface undulations between points. Official runway lengths are normally computed from

	runway end coordinates and elevations.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
pavementClassificationNumber (String10)	A number that expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5A].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Arresting Area

(Database Feature Class Name = RunwayArrestingArea; FAA=RunwayArrestingArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

Any FAA-approved high energy absorbing material of a specific strength that will reliably and predictably bring an aircraft to a stop without imposing loads that exceed the aircraft's design limits, cause major structural damage, or impose excessive force [AC 150/5220-22*].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A common name for the arresting area.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A description of the arresting area.
length (Real)	The overall length of the feature.
width (Real)	The overall width of the feature.
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
Setback (Integer)	The distance the EMAS begins beyond the end of the runway.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Blast Pad

(Database Feature Class Name = RunwayBlastPad; FAA=RunwayBlastPad)
Geometry Type: Polygon Accuracy: +/-2Ft. Sensitivity: Restricted
A specially prepared surface placed adjacent to the ends of runways to eliminate the erosive effect of the high wind forces produced by airplanes at the beginning of their takeoff rolls. [AC 150/5300-13].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
length (Integer)	The length of clearway as measured. Compare the measure value to the value reported in the government flight information publications.
pavementClassificationNumber (String10)	A number that expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5A].
runwayEndDesignator (String3)	Specify runwayEnd designator to identify which runway end the Blast Pad is on.
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Centerline

(Database Feature Class Name = RunwayCenterline; FAA=RunwayCenterline)
Geometry Type: Line Accuracy: +/-1Ft. Sensitivity: Restricted
Continuous line along the painted centerline of a runway connecting the middle-points of the two outermost thresholds. Centerline is composed of many centerline points (see RunwayControlPoint). It is used to calculate grade and line-of-sight criteria. [AC 150/5300-13].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.

runwayDesignator (String7)	Designator of the runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L)[AC 150/5340-1].
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
Metadata:	
isDerived (CodeBoolean)	Indicates whether the centerline is derived or photo determined.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Element

(Database Feature Class Name = RunwayElement; FAA=RunwayElement)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A section of the runway surface. The runway surface can be defined by a set of non-overlapping RunwaySegment polygons for pavement management purposes. RunwayElements may overlap Runway and RunwayIntersection features. Use RunwayElement to model the physi [AC 150/5335-5, AC 150/5320-12, AC 150/5320-17, AC 150/5320-6].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
runwayDesignator (String7)	Specify runway designator.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
pavementClassificationNumber (String10)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load.[AC 150/5335-5A].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway End

(Database Feature Class Name = RunwayEnd; FAA=RunwayEnd)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Restricted

The end of the runway surface suitable for landing or takeoff runs of aircraft. Runway Ends describe the approach and departure procedure characteristics of a runway threshold. The Runway End is the same as the runway threshold when the threshold is not [NGS*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
runwayEndDesignator (String3)	The designator for the runway end (i.e. 32L)

Attributes:

description (String255)	Description of the feature
ellipsoidHeight (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called the geodetic height.[NGS].
approachCategory (CodeApproachCategory)	A grouping of aircraft based on 1.3 times their stall speed in the landing configuration at the certificated maximum flap setting and maximum landing weight at standard atmospheric conditions[AC 150/5300-13].
approachGuidance (CodeApproachGuidance)	The type of approach guidance in use for the runway end.
accelerateStopDistanceAvail (Real)	The runway plus stopway length declared available and suitable for the acceleration and deceleration of an airplane aborting a takeoff.[AC 150/5300-13].
magneticBearing (Real)	Magnetic runway bearing corresponding to threshold location valid at the day of data generation[RTCA DO-272].
trueBearing (Real)	True bearing corresponding to the landing direction[ICAO Annex 14].
designGroup (CodeDesignGroup)	A grouping of airplanes based on wingspan and or tailheight, whichever is greatest.[AC 150/5300-13].
displacedDistance (Integer)	The distance from the runway end to the landing threshold. When the thresholdType is normal, displacedDist = 0.
landingDistanceAvailable (Real)	The runway length declared available and suitable for a landing airplane.[AC 150/5300-13].
runwaySlope (Real)	Runway slope corresponding to landing direction.[RTCA DO-272].
takeOffDistanceAvailable (Real)	The takeoff run available plus the length of any remaining runway clearway beyond the far end of the takeoff run available.[AC 150/5300-13].
takeOffRunwayAvailable (Real)	The runway length declared available and suitable for the ground run of an airplane taking off[AC 150/5300-13].
touchdownZoneSlope (Real)	The longitudinal slope of the first 3000 feet of the runway beginning at the threshold.[FAA Specification 405].
touchdownZoneElevation (Real)	The highest elevation in the Touchdown Zone. The Touchdown Zone is the first 3,000 feet of the runway beginning at the threshold.[FAA Specification 405].
thresholdType (CodeThresholdType)	An description of the landing threshold: either normal or displaced

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Helipad Design Surface

(Database Feature Class Name = RunwayHelipadDesignSurface; FAA=RunwayHelipadDesignSurface)
Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted
A three-dimensional surface that is used in runway or heliport/helipad design. [AC 150/5300-13].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.[SDSFIE Feature Table].
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
designSurfaceType (CodeDesignSurfaceType)	A description of the design surface
zoneUse (String50)	A description of the use of the zone.
determination (String255)	A formal declaration of the runway/helipad/heliport safety area condition with respect to standards and any requirement improvements[FAA Order 5200.8 and AC 150/5390-2].
determinationDate (String8)	The date the safety area determination was approved[FAA Order 5200.8 and AC 150/5390-2B].
zoneInnerWidth (Real)	The width of the narrow end of a trapezoidal shaped DesignSurface feature. This is normally the end that is closest to the landing surface[AC 150/5300-13 and 150/5390-2B].
zoneOuterWidth (Real)	The width of the wide end of a trapezoidal shaped DesignSurface feature. This is normally the end that is furthest from the landing surface.
zoneLength (Real)	The length of a trapezoidal shaped DesignSurface feature.
slope (Real)	The low to high gradient within the airspace.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Intersection

(Database Feature Class Name = RunwayIntersection; FAA=RunwayIntersection)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Confidential

The area in which two or more runways intersect.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
runwayDesignator1 (String7)	Designator of the 1st intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).
runwayDesignator2 (String7)	Designator of the 2nd intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).
runwayDesignator3 (String7)	Designator of the 3rd intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).

Attributes:

description (String255)	Description of the feature
pavementClassificationNumber (String10)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load.[AC 150/5335-5A].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Label

(Database Feature Class Name = RunwayLabel; FAA=RunwayLabel)

Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Secret

The bottom center position of the runway designation marking. [NGS].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
runwayEndDesignator (String3)	The designator of the associated runway

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Land and Hold Short Line

(Database Feature Class Name = RunwayLAHSO; FAA=RunwayLAHSO)

Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted

Markings installed on a runway where an aircraft is to stop when the runway is normally used as a taxiway or used for Land and Hold Short Operations (LAHSO) as identified in a letter of agreement with the Air Traffic Control Tower (ATCT). A runway should [Order 7110.118*].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
protectedRunwayDesignator (String7)	Unique runway identifier for the airport of the runway, if any, being protected by the LAHSO (when the LAHSO precedes a runway intersection). Example 17L/35R.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
color (CodeColor)	The color of the marking
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Runway Safety Area Boundary

(Database Feature Class Name = RunwaySafetyAreaBoundary; FAA=RunwaySafetyAreaBoundary)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

The boundary of the Runway Safety Area (RSA). [AC 150/53XX-XX (Vol. C)].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.

alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature.
runwayEndDesignator (String3)	Specific runway end designator.[FAA AC150/5300-18b].
determinationDate (String8)	Date the RSA determination was approved[FAA Order 5200.8].
determination (String255)	A formal declaration of the runway safety area condition with respect to standards and any requirement improvements[FAA Order 5200.8].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Shoulder

(Database Feature Class Name = Shoulder; FAA=Shoulder)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

An area adjacent to the edge of paved runways, taxiways, or aprons providing a transition between the pavement and the adjacent surface; support for aircraft running off the pavement; enhance drainage; and blast protection. [AC 150/5300-13].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.[AC 150/5300-18b].
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature.[AC 150/5300-18b].
shoulderType (CodeShoulderType)	Code for whether this is a runway shoulder or taxiway shoulder[SDSFIE Attribute Table].
length (Real)	The overall length of the airfield surface.[SDSFIE Attribute Table].
width (Real)	The overall width of the airfield surface.[SDSFIE Feature Table].
restricted (CodeBoolean)	An indicator as to whether access to the feature is restricted.
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
sequence (String5)	Sequential number of the element.
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Stopway

(Database Feature Class Name = Stopway; FAA=Stopway)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

An area beyond the takeoff runway, no less wide than the runway and centered upon the extended centerline of the runway, able to support the airplane during an aborted takeoff without causing structural damage to the airplane. It is designated by the airp

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature
length (Real)	The length of the designated stopway from the end of the runway
width (Real)	The overall width of the feature
runwayEndDesignator (String3)	Specify runwayEnd designator to identify which runway end the Stopway is on.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Taxiway Element

(Database Feature Class Name = TaxiwayElement; FAA=TaxiwayElement)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

Defined paths on an airport established for the taxiing of aircraft (excluding apron taxilanes) and intended to provide a link between one part of the airport and another. [AC 150-5300-13].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
taxiwayId (String50)	Taxiway element name. The name should be identical to the corresponding taxiway name. Multiple taxiway elements can have the same name. If two or more taxiways intersect the taxiway element intersection will be named after the predominant taxiway. If two[FAA Airports GIS].
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.[FGDC].
taxiwayType (CodeTaxiwayType)	The type of taxiway.
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
pavementClassificationNumber (String10)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load.[AC 150/5335-5A].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
directionality (CodeDirectionality)	Code used to define the directionality of traffic on the element.
sequence (String5)	Sequential number of the taxiway element.
surfaceType (CodeSurfaceType)	Type of different materials used to construct the surface.[NGS].
designGroup (CodeDesignGroup)	Identifies the design group used in the design of the taxiway[AC 150/5300-13].
length (Real)	Provides the length of the taxiwayElement polygon as measured along the centerline.[SDSFIE Feature Table].
width (Real)	Width of the taxiway.[SDSFIE Feature Table].
maximumSpeed (Integer)	Identifies the maximum speed for the taxiwayElement.
wingspan (Real)	Identifies the maximum aircraft wingspan which can traverse the taxiwayElement.[SDSFIE Feature Table].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Taxiway Holding Position

(Database Feature Class Name = TaxiwayHoldingPosition; FAA=TaxiwayHoldingPosition)

Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted

A designated position at which taxiing aircraft and vehicles shall stop and hold position, unless otherwise authorized by the aerodrome control tower. [RTCA DO-272].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
runwayDesignator (String7)	The designator for the approaching runway.

taxiwayDesignator (String4)	The designator for the taxiway.

Attributes:

description (String255)	A description of the feature.
lowVisibilityCategory (CodeLowVisibilityCategory)	Code describing the Low visibility operation category of the TaxiwayHoldingPosition.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Taxiway Intersection

(Database Feature Class Name = TaxiwayIntersection; FAA=TaxiwayIntersection)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A junction of two or more taxiways (Source: ICAO Annex 14, Volume 1, Aerodromes, Chapter 1, page 5). [ICAO Annex 14 (Aerodromes), Chapter 1, page 5].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String40)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airfield : Touchdown Lift Off

(Database Feature Class Name = TouchdownLiftOff; FAA=TouchDownLiftOff)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Unclassified

A load-bearing, generally paved area, normally centered in the Final Approach and Takeoff Area (FATO), on which a helicopter lands or takes off. The Touchdown and Lift-off Area (TLOF) is frequently called a helipad or helideck.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A brief description of the area and any special characteristics.
length (Real)	The overall length of the TLOF.
width (Real)	The overall width of the TLOF.
surfaceType (CodeSurfaceType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial)	A code indicating the composition of the related surface[NFDC].
surfaceCondition (CodeSurfaceCondition)	A description of the serviceability of the pavement[NFDC].
designHelicopter (String20)	A generic helicopter that reflects the maximum weight, maximum contact load/minimum contact area, overall length, rotor diameter, etc. of all helicopters expected to operate at the heliport.[AC 150/5390-2].
gradient (Real)	The gradient of the TLOF surface designed to provide positive drainage.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Airspace

Airspace : Landmark Segment

(Database Feature Class Name = LandmarkSegment; FAA=LandmarkSegment)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Unclassified

Features providing geographic orientation near the airport vicinity. The features may or may not have obstruction value. Collect geographic features of landmark value aiding in geographic orientation as individual polyline objects. [NGS*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String40)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
landmarkType (CodeLandmarkType)	Type of landmark feature

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airspace : Obstacle

(Database Feature Class Name = Obstacle; FAA=Obstacle)

Geometry Type: Point Accuracy: +/-20Ft. Sensitivity: Restricted

All fixed (whether temporary or permanent) and mobile objects, or parts thereof, that are located on an area intended for the surface movement of aircraft, penetrating an Obstruction Identification Surface (OIS), or selected as representative object. Use [NGS].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
obstructionNumber (String30)	Provide the Aeronautical Study Number assigned by the FAA in the appropriate format (if known).

Attributes:

description (String255)	Description of the feature.
obstacleType (CodeObstacleType)	The type of object.
obstacleSource (CodeObstacleSource)	Identify how or where the object was identified.
aboveGroundLevel (Real)	The vertical distance from the ground to the highest point of the object.
distanceFromDisplacedThreshold (Real)	Distance measured along runway centerline or centerline extended from a Displaced Threshold to point abeam the object. A negative distance indicates that the object is on the touchdown side of the runway approach end. This data is not provided for objects
distanceFromRunwayCenterline (Real)	Shortest distance from the runway centerline or centerline extended to the object. L (LEFT) or R (RIGHT) is relative to an observer facing forward in a landing aircraft. This data is not provided for objects penetrating the horizontal, conical and runway
distanceFromRunwayEnd (Real)	Distance measured along runway centerline or centerline extended from the physical end to point abeam the object. A negative distance indicates that the object is on the touchdown side of the runway approach end. This data is not provided for objects pene
groupCode (String75)	A text code indicating that the object consists of a group of objects of the same type. For example, a group of trees, a group of buildings, a group of antennas, etc[AIXM].
heightAboveAirport (Integer)	Height above airport the official airport elevation point[NGS].
heightAboveRunway (Real)	Height above runway physical end for objects located underneath the approach surface.
heightAboveTouchdownZone (Real)	Height above touchdown zone elevation for objects located underneath the approach surface.
lightCode (CodeBoolean)	A code indicating that the obstacle is lighted[AIXM].
markingFeatureType (CodeMarkingFeatureType)	The type of the marking

penValSpecified (Integer)	The elevation difference between the height of the object and the specified surface. Used to identify the amount of penetration of the main OIS.
penValSupplemental (Integer)	The elevation difference between the height of the object and the supplemental surface. Used to identify the amount of penetration to a secondary OIS.
ellipsoidHeight (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question.
disposition (String16)	What was done to obstruction[Airport].
oisSurfaceCondition (CodeOisSurfaceCondition)	The Obstruction Identification Surface that Obstructing Area represents
frangible (CodeBoolean)	A Boolean indicating whether the object is frangible.
faaCoordinationCode (CodeBoolean)	A Boolean indicating whether the obstruction has received FAA coordination or review.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airspace : Obstruction Area

(Database Feature Class Name = ObstructionArea; FAA=ObstructionArea)

Geometry Type: Polygon Accuracy: +/-20Ft. Sensitivity: Restricted

Polygon features penetrating the plane of the obstruction identification surface (OIS) or selected as representative objects. Determine the type of obstructing area by the predominant feature within the grouped area. Penetrating groups of trees, ground, b

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
obstructionNumber (String30)	Provide the Aeronautical Study Number assigned by the FAA in the appropriate format (if known).

Attributes:

description (String255)	Description of the feature
obstacleType (CodeObstacleType)	The type of object.
obstacleSource (CodeObstacleSource)	Identify how or where the object was identified.
aboveGroundLevel (Real)	The vertical distance from the ground to the highest point of the object.
distanceFromDisplacedThreshold (Real)	Distance measured along runway centerline or centerline extended from a Displaced Threshold to point abeam the object. A negative distance indicates that the object is on the touchdown side of the runway approach end. This data is not provided for objects
distanceFromRunwayCenterline (Real)	Shortest distance from the runway centerline or centerline extended to the object. L (LEFT) or R (RIGHT) is relative to an observer facing forward in a landing aircraft. This data is not provided for objects penetrating the horizontal, conical and runway
distanceFromRunwayEnd (Real)	Distance measured along runway centerline or centerline extended from the physical end to point abeam the object. A negative distance indicates that the object is on the touchdown side of the runway approach end. This data is not provided for objects pene
groupCode (String75)	A text code indicating that the object consists of a group of objects of the same type. For

	example, a group of trees, a group of buildings, a group of antennas, etc[AIXM].
heightAboveAirport (Integer)	Height above airport the official airport elevation point[NGS].
heightAboveRunway (Real)	Height above runway physical end for objects located underneath the approach surface.
heightAboveTouchdownZone (Real)	Height above touchdown zone elevation for objects located underneath the approach surface[NGS].
lightCode (CodeBoolean)	A code indicating that the obstacle is lighted[AIXM].
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
penValSpecified (Integer)	The elevation difference between the height of the object and the specified surface. Used to identify the amount of penetration of the main OIS.
penValSupplemental (Integer)	The elevation difference between the height of the object and the supplemental surface. Used when to identify the amount of penetration to a secondary OIS.
obstructionAreaType (CodeObstructionAreaType)	Type of obstructing area.
disposition (String255)	The disposition of the airspace obstruction.
oisSurfaceCondition (CodeOisSurfaceCondition)	The Obstruction Identification Surface that Obstructing Area represents
length (Real)	The overall length of the obstruction.
width (Real)	The overall width of the obstruction.
frangible (CodeBoolean)	A Boolean indicating whether the object is frangible.
faaCoordinationCode (CodeBoolean)	A Boolean indicating whether the obstruction has received FAA coordination or review.
ellipsoidHeight (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airspace : Obstruction Identification Surface

(Database Feature Class Name = ObstructionIdSurface; FAA=ObstructionIdSurface)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

A derived imaginary Obstruction Identification Surface defined by the FAA. [NGS].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A commonly used name for the zone.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
runwayDesignator (String7)	Specify runway designator for the Vertically Guided Runway Primary Surface (VGRPS), for the Vertically Guided Primary Connection Surface (VGPCS), and for the Vertically Guided Approach Transitional Surface (VGATS).
runwayEndDesignator (String3)	Specify runwayEnd designator for the Vertically Guided Approach Surface (VGAS) and for the Vertically Guided Protection Surface (VGPS).[FAA AC150/5300-18b].
oisSurfaceType (CodeOisSurfaceType)	Surface Type refers to the general type of surface used to analyze features. Surfaces of the same type usually are similar in nature with respect to certain aspects of the surface

	definition or may merely be representative of different programs within the
oisZoneType (CodeOisZoneType)	Specifies zones within Obstruction Identification Surfaces (OIS)
oisSurfaceCondition (CodeOisSurfaceCondition)	The Obstruction Identification Surface that Obstructing Area represents
safetyRegulation (String20)	An identifier for the safety regulations in effect within the zone.
zoneUse (String50)	A description of the use of the zone.
approachGuidance (CodeApproachGuidance)	Defines the type of approach guidances the OIS is meant to protect.
slope (Real)	The low to high gradient within the airspace expressed as a ratio x:1, where X is the slope value. For example 40:1 for departures.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Airspace : Runway Protection Area

(Database Feature Class Name = RunwayProtectArea; FAA=RunwayProtectArea)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Confidential

An area beyond the takeoff runway under control of airport authorities within which terrain or fixed obstacles may not extend above specified limits. These areas may be required for certain turbine-powered operations, and the size and upward slope of the

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature
length (Real)	The length of clearway as reported by the FAA Airport/Facility Directory and the Aeronautical Information Publication (AIP) for international airports
type (CodeRunwayProtectionAreaType)	Code indicating the type of runway protection area being classified.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Cadastral

Cadastral : Airport Boundary

(Database Feature Class Name = AirportBoundary; FAA=AirportBoundary)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A polygon, or a set of polygons, that encompasses all property owned or controlled by the airport for aviation purposes. [AC 150/5300-13, Appendix 7, Order 5190.6A, Section 5].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
faaSiteNumber (String8)	This is a number that contains a one-letter suffix. The number is assigned to the airport in ascending order, depending on the state and the associated city. If you do not know or have access to the appropriate site number contact your airports district/r[FAA AC 150/5200-35].
alias (String60)	An alternative or former name by which the feature is referred.
faaLocationId (String4)	The location identifier assigned to the feature by FAA
iataCode (String4)	The location identifier assigned to the feature by International Air Transport Association (IATA)
icaoCode (String4)	The location identifier assigned to the airport by the ICAO

Attributes:

description (String255)	Description of the feature
airportFacilityType (CodeAirportFacilityType)	The type of airfield.
operationsType (CodeOperationsType)	The type of operations permitted on the airfield
owner (Enumeration60)	The type of owner of the airfield

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Airport Parcel

(Database Feature Class Name = AirportParcel; FAA=AirportParcel)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

A tract of land within the airport boundary acquired from surplus property, Federal funds, local funds, etc. Include easement interests in areas outside the fee property line as an airport parcel. [FAA Order 5190.6, Chapter 5].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
grantProjectNumber (String30)	The grant number if Federal funds were used to acquire the parcel
parcelNumber (String12)	Any locally used number to identify the parcel.

Attributes:

description (String255)	Description of the feature
authority (String75)	The owner of the airport parcel
acquisitionType (CodeAcquisitionType)	The type of acquisition used to acquire the parcel
costToAcquire (Real)	The amount paid to the owner in U.S. dollars for the parcel
dateAcquired (String8)	The date the parcel was acquired. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
howAcquired (CodeHowAcquired)	The manner in which the parcel was acquired
marketValue (Real)	The assessed market value of the parcel in U.S. dollars when it was acquired
yearAssessed (Integer)	The year in which the market value assessment was made
yearBuilt (Integer)	The year in which the most recent structure(s) were built on the parcel
useOfParcel (String16)	The current primary use of the airport parcel.
acquisitionPurpose (String50)	Acquisition purpose
area (Real)	The size of the area, zone, or polygon in square units.
assessedValue (Real)	The most recent assessed value of the airport parcel.
deedReference (String30)	Reference to where the deed to the airport parcel is recorded in such information as Plat Book and Page.
legalDescription (String240)	The complete legal description of the property as it appears in the deed.
passengerChargeNumber (String30)	Passenger Facility Charge Number
previousOwner (String75)	Previous owner of the airport parcel

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : County

(Database Feature Class Name = County; FAA=County)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

Boundary line of the land and water under the right, power, or authority of the county government. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
politicalName (String30)	The common name associated with the property area.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	The description of the area.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Easements And Rights of Way

(Database Feature Class Name = EasementsAndRightsofWay; FAA=EasementsAndRightsofWay)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Confidential

A parcel of land for which formal or informal deed easement rights exist. [SDSFIE (modified)].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
status (CodeStatus)	The status of the parcel. (Active, inactive, terminated)
description (String255)	A brief description of the feature.
purpose (String30)	Project purpose for which the easement was acquired.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

	the data in this record.

Cadastral : FAA Region

(Database Feature Class Name = FaaRegionArea; FAA=FAARegionArea)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Unclassified

This feature depicts the FAA regions. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the FAA region.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the FAA region.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Land Use

(Database Feature Class Name = LandUse; FAA=LandUse)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Confidential

A description of the human use of land and water. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the land use area.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the land use area.
useType (CodeLandUseType)	The way in which the land is being used.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Lease Area

(Database Feature Class Name = LeaseZone; FAA=LeaseZone)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Unclassified

A parcel of land or area within a building that is leased by an individual, agency, or organization for their use. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
tenantName (String75)	The current name of the tenant occupying the leased parcel.
alias (String60)	An alternative or former name by which the feature is referred.
cadPage (String10)	Reference to the hard copy page which this data has traditionally be plotted on.

Attributes:

lmsId (String10)	A foreign key link to the airports lease management system.
description (String255)	A brief description of the feature.
class (CodeSpaceClass)	The class of space utilization.
type (CodeSpaceType)	The type of space utilization.
permitUse (String20)	Permitted use of the leased parcel.
leasedArea (Real)	Area accounted for in the lease for a parcel.
actualArea (Real)	Actual measured area of the leased parcel.
expectedLeaseExpirationDate (String8)	The date the lease is expected to expire. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
legalDescription (String240)	The complete legal description of the property as it appears in the deed.
status (CodeStatus)	The status of the parcel. (Active, inactive, terminated)
subtenantName (String75)	The current name of the subtenant occupying the leased parcel or interior space.
tenantId (Integer)	A unique numeric ID assigned to the tenant occupying this space.
classId (Integer)	A unique numeric ID assigned to the space class.
typeId (Integer)	A unique numeric ID assigned to the space type.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

Cadastral : Lease Area

(Database Feature Class Name = LeaseZone; FAA=LeaseZone)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Unclassified

A parcel of land or area within a building that is leased by an individual, agency, or organization for their use. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
tenantName (String75)	The current name of the tenant occupying the leased parcel.
alias (String60)	An alternative or former name by which the feature is referred.
cadPage (String10)	Reference to the hard copy page which this data has traditionally be plotted on.

Attributes:

lmsId (String10)	A foreign key link to the airports lease management system.
description (String255)	A brief description of the feature.
class (CodeSpaceClass)	The class of space utilization.
type (CodeSpaceType)	The type of space utilization.
permitUse (String20)	Permitted use of the leased parcel.
leasedArea (Real)	Area accounted for in the lease for a parcel.
actualArea (Real)	Actual measured area of the leased parcel.
expectedLeaseExpirationDate (String8)	The date the lease is expected to expire. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
legalDescription (String240)	The complete legal description of the property as it appears in the deed.
status (CodeStatus)	The status of the parcel. (Active, inactive, terminated)
subtenantName (String75)	The current name of the subtenant occupying the leased parcel or interior space.
tenantId (Integer)	A unique numeric ID assigned to the tenant occupying this space.
classId (Integer)	A unique numeric ID assigned to the space class.
typeId (Integer)	A unique numeric ID assigned to the space type.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Municipality

(Database Feature Class Name = Municipality; FAA=Municipality)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

Boundary line of the land and water under the right, power, or authority of the municipal government. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The common name associated with the property area.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	The description of the area.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Parcel

(Database Feature Class Name = Parcel; FAA=Parcel)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

A single cadastral unit, which is the spatial extent of the past, present, and future rights and interests in real property and the geographic framework to support the description of the spatial extent. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
parcelNumber (String12)	Any locally used number to identify the parcel.
grantProjectNumber (String30)	The grant number if Federal funds were used to acquire the parcel

Attributes:

area (Real)	The size of the area, zone, or polygon in square units.
useOfParcel (String16)	The current primary use of the parcel.
name (String50)	The common name associated with the property area.
description (String255)	The description of the area.
legalDescription (String240)	The complete legal description of the property as it appears in the deed.
dateAcquired (String8)	The date the parcel was acquired by the current owner. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
assessedValue (Real)	The most recent assessed value of the parcel.
deedReference (String30)	Reference to where the deed to the parcel is recorded in such information as Plat Book and Page.
authority (String75)	The owner of the parcel
previousOwner (String75)	Previous owner of the parcel
acquisitionType (CodeAcquisitionType)	The type of acquisition used to acquire the parcel
acquisitionPurpose (String50)	Acquisition purpose
costToAcquire (Real)	The amount paid to the owner in U.S. dollars for the parcel

howAcquired (CodeHowAcquired)	The manner in which the parcel was acquired
marketValue (Real)	The assessed market value of the parcel in U.S. dollars when it was acquired
yearAssessed (Integer)	The year in which the market value assessment was made
yearBuilt (Integer)	The year in which the most recent structure(s) were built on the parcel
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : State

(Database Feature Class Name = State; FAA=State)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

Boundary line of the land and water under the right, power, or authority of the state government. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The common name associated with the property area.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	The description of the area.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Cadastral : Zoning

(Database Feature Class Name = Zoning; FAA=Zoning)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Restricted

A parcel of land zoned specifically for real estate and land management purposes; more specifically for commercial, residential, or industrial use. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A brief description of the feature.
status (CodeStatus)	The status of the parcel. (Active, inactive, terminated)
landOwnerRestriction (String60)	Codes determining the land owner restriction for the parcel.[SDSFIE Feature Table].
zoningClassification (CodeZoningClass)	The zoning classification of the parcel.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Environmental

Environmental : Environmental Contamination Area

(Database Feature Class Name = EnvironmentalContaminationArea; FAA=EnvironmentalContaminationArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A facility or other locational entity, (as designated by the Environmental Protection Agency) that is regulated or monitored because of environmental concerns. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of a specific facility.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the source of the pollution.
environmentalHazardCategory (String16)	Indicates the broad category or type of the most prevalent or serious environmental hazard present at the site.
pollutantReleaseType (String16)	A descriptor for the type of pollutant release experienced.
severity (String16)	A descriptor for the severity of the pollution.
remediationUrgency (String16)	A code indicating the urgency for accomplishing a site remediation project.
toxicStatusOfPollutant (String16)	A descriptor for the toxic status of the pollution.
status (CodeStatus)	The code indicating whether the facility status is Active or Inactive.
dateFound (String8)	The date the pollution was discovered. Format for date is YYYYMMDD (i.e. September

	15, 1994 = 19940915)
cause (String16)	A code indicating the cause of the pollution.
pollutantSource (String16)	The actual or suspected source of the pollutant.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Fauna Hazard Area

(Database Feature Class Name = FaunaHazardArea; FAA=FaunaHazardArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

An area where there are hazards due to wildlife activities. This includes bird aircraft strike hazard (BASH) areas, and deer strike areas. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A description or other unique information concerning the subject item, limited to 240 characters.
hazardType (CodeHazardType)	A descriptor of the type of the hazard.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Flood Plain

(Database Feature Class Name = FloodZone; FAA=FloodZone)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Unclassified

Areas subject to 100-year, 500-year and minimal flooding. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
zoneType (CodeZoneType)	The zoning classification of the area

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Flora Species Site

(Database Feature Class Name = FloraSpeciesSite; FAA=FloraSpeciesSite)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Unclassified

The specific location where an individual flora species or an aggregate of flora species has been identified. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Any brief description of the feature.
plantType (String16)	A descriptor of the type of flora.
plantHeight (Real)	The average height of the flora species.
endangeredSpeciesActSite (CodeBoolean)	Defines if the habitat has been designated as a critical habitat under (C) the Endangered species Act or has not been so designated (N).

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Flora Habitat Area

(Database Feature Class Name = ForestStandArea; FAA=ForestStandArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A forest flora community with similar characteristics. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A description of the flora species.
habitatCategory (String16)	Discriminator - The designation or type of the special wildlife habitat.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Hazardous Material Storage Site

(Database Feature Class Name = HazMatStorageSite; FAA=HazardousMaterialStorageSite)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Unclassified

A defined or bounded geographical area designated and used for the storage of contained hazardous materials. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A description or other unique information concerning the subject item, limited to 240 characters.

storeHazardousMaterialCategory (CodeHazardCategory)	The general type or category of contained hazardous material stored.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Noise Contour

(Database Feature Class Name = NoiseContour; FAA=NoiseContour)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Confidential

An area that describes the noise attributed to operations. For aircraft operations, the Day/Night average sound level (Ldn) descriptor is typically used to categorize noise levels. [14 CFR Part 150].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description for the noise zone.
contourValue (Real)	The decibel level of the contour line

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Noise Incident

(Database Feature Class Name = NoiseIncident; FAA=NoiseIncident)

Geometry Type: Point Accuracy: +/-50Ft. Sensitivity: Restricted

A formal complaint by an individual or group regarding excessive noise resulting from airport operations.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A general description of the complete incident, including any reference material.
reporter (String50)	The name of the individual or organization reporting the incident.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Noise Monitoring Point

(Database Feature Class Name = NoiseMonitoringPoint; FAA=NoiseMonitoringPoint)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Restricted

The location of noise sensing equipment or where a noise sample is taken. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Sample Collection Point

(Database Feature Class Name = SampleCollectionPoint; FAA=SampleCollectionPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Confidential

The physical location at which one or more environmental hazards field samples are collected. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
companyName (String60)	The name of the company that took the sample.

Attributes:

description (String255)	Descriptor providing any additional information to describe the sampling location in text format (e.g., monitoring well located 10 feet northeast of building 624 within spill area). IRPIMS.[SDSFIE Feature Table].
collectionPointLocation (CodeSamplePointLocation)	Code describing the type of location which is undergoing sampling (e.g., bh= borehole, wl=well).
coordX (Real)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Real)	The coordinate in the north-south plane, expressed in decimal degrees.
elevation (Real)	Elevation of the point relative to the selected vertical datum.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
dateSampleTaken (Date)	The date on which the sample was taken.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Shoreline

(Database Feature Class Name = Shoreline; FAA=Shoreline)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

The boundary where land meets the edge of a large body of fresh or salt water.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A commonly used name for the shoreline.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A local description for the shoreline.
shorelineType (CodeShorelineType)	Discriminator - A value indicating the type or kind of shoreline.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Environmental : Wetland

(Database Feature Class Name = Wetland; FAA=Wetland)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

Transitional lands between terrestrial and aquatic systems where the water table is usually at or near the surface or the land is covered by shallow water. The soils are predominantly saturated with water and the plants and animals that live there are spe

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Any commonly used name for the wetland.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the wetland.
featureType (String16)	A descriptor of how the wetland is depicted graphically.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Geodetic

Geodetic : Airport Control Point

(Database Feature Class Name = AirportControlPoint; FAA=AirportControlPoint)

Geometry Type: Point Accuracy: +/-Ft. Sensitivity: Restricted

A control station established in the vicinity of, and usually on, an airport and tied to the National Spatial Reference System (NSRS). [NGS].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
permanentId (String6)	Permanent point identifier assigned by NGS to PACS and SACS[NGS].
name (String50)	Any commonly used name for the control point.
alias (String60)	An alternative or former name by which the feature is referred.
stampedDesignation (String50)	The designation stamped onto the monument.

Attributes:

pointType (CodePointType)	Contains the allowable values of a point type used by the ControlPoint feature. The point types may be supplementally provided as subtypes of ControlPoints for ease of use and clarification.
runwayDesignator (String7)	Not applicable to this point type
runwayEndDesignator (String3)	Not applicable to this point type
monumentType (CodeMonumentType)	The type of monument as defined by the Corps of Engineers EM 110-1-1002.
description (String255)	The monument description.
ellipsoidHeight (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called the geodetic height.[NGS].
yearOfSurvey (Integer)	The year of the most recent runway end survey used to compute the ARP
dateRecovered (String8)	The date the monument was last field recovered. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
recoveredCondition (CodeRecoveredCondition)	The condition and type of the marker (witness post) used to identify the location of the monument.
fieldBook (String254)	The field book.
globalPositionSystemSuitable (CodeBoolean)	A Boolean indicating GPS suitability.

Metadata:

coordinateZone (CodeCoordinateZone)	The State Plane Coordinate System Code for where the airport is primarily located.
epoch (String10)	Survey epoch used to establish the control point.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Geodetic : Reference Grid Line

(Database Feature Class Name = CoordinateGridArea; FAA=CoordinateGridArea)

Geometry Type: Line Accuracy: +/-Ft. Sensitivity: Restricted

A regular pattern of horizontal and vertical lines used to represent regular coordinate intervals along the x and y axis. This grid line can be used to generate an arbitrary grid system which is common on locator maps.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name, code or identifier used to refer to an individual grid cell.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
gridType (CodeGridType)	Code indicating the type of grid.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Geodetic : Reference Grid Cell

(Database Feature Class Name = CoordinateGridCell)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Restricted

A regular pattern of horizontal and vertical lines used to represent regular coordinate intervals along the x and y axis. This grid line can be used to generate an arbitrary grid system which is common on locator maps. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Geodetic : Elevation Contour

(Database Feature Class Name = ElevationContour; FAA=ElevationContour)

Geometry Type: Line Accuracy: +/-Ft. Sensitivity: Restricted

Connecting points on the surface of the earth of equal vertical elevation representing some fixed elevation interval. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
length (Real)	The overall length of the feature.
contourValue (Real)	The elevation of the contour line.[SDSFIE Feature Table].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Geodetic : Image Area

(Database Feature Class Name = ImageArea; FAA=ImageArea)

Geometry Type: Polygon Accuracy: +/-Ft. Sensitivity: Confidential

The image foot print or coverage area. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
frameID (String20)	Image identification number of the covered area.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 255 characters.
photoDate (String8)	Date the aerial photography was flown. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915)

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Geodetic : Image Location

(Database Feature Class Name = ImageLocation)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Confidential

The location where an image was taken.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
caption (String255)	A textual title or short description used to define the primary subject of the image.
description (String255)	Textual details that provide further information about the primaery subject of the image.
heading (Real)	The heading (with 0 as true north) in which the camera was pointed when the image was taken
inclination (Real)	The degrees off he horizon (with 90 pointing straight up) at which the camera was pointed when the image was taken.
latitude (Real)	The latitude of the location of the camera when the image was taken.
longitude (Real)	The longitude of the location of the camera when the image was taken.
dateTaken (Date)	The date on which the image was taken.
timeTaken (Integer)	The time at which the image was taken.
fileDirectory (String255)	The local file directory in which the image file is located.
fileName (String40)	The name of the image file.
fileType (CodeImageType)	The type of image file format
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Interior

Interior : Baggage Carousel

(Database Feature Class Name = BaggageCarousel)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Baggage system carousels

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
carouselId (String60)	Common name associated with the feature.[Airport].
tenantName (CodeAirline)	The name of the current tenant using the baggage carousel.
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

direction (CodeDirection)	The direction of flow of baggage on the conveyor.
fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Baggage Conveyor

(Database Feature Class Name = BaggageConveyor)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Baggage system conveyors

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
conveyorId (String60)	Common name associated with the feature.[Airport].
tenantName (CodeAirline)	The name of the current tenant using the baggage conveyor.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
direction (CodeDirection)	The direction of flow of baggage on the conveyor.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Column

(Database Feature Class Name = BuildingColumn)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Structural columns of a building

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
columnId (String10)	A unique identifier assigned to the Column.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
columnShape (CodeShape)	The shape of the horizontal cross section of the column.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
material (CodeMaterialType)	The type of material the column is made of.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Building Zone

(Database Feature Class Name = BuildingZone)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A subsection of a building used for reference purposes.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Any brief description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Ceiling Tile

(Database Feature Class Name = CeilingTile)

Geometry Type: Line Accuracy: +/-1Ft. Sensitivity: Confidential

The edge of tiles used to form a ceiling over an interior space.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	The name of the pumping station.[HSIP].
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

type (String40)	Type of feature[AC 150/5300-18b].
description (String255)	Textual description of the feature.[FGDC].
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Chase

(Database Feature Class Name = Chase)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Area of a building used for passing utilities from one floor to another.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
chaseId (String10)	A unique identifier assigned to the Chase.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

	the data in this record.

Interior : Column Grid

(Database Feature Class Name = ColumnGrid)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Confidential

An area inside of a building between three or more building columns that is used for identification and referencing purposes.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Column Line

(Database Feature Class Name = ColumnLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Confidential

A line conncting two or more columns within a building that is used for reference purposes.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Display Case

(Database Feature Class Name = DisplayCase)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Restricted

Leasable items that are not represented in the InteriorExteriorSpace feature class. These items typically overlap with polygons in the InteriorExteriorSpace feature class, and represent other leasable assets as represented in the Authority's property/leas

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Door

(Database Feature Class Name = Door)

Geometry Type: Line Accuracy: +/-0.5Ft. Sensitivity: Restricted

Line where door is located within a wall

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String40)	The name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
roomId (String20)	An identifier assigned to the room to which this door leads
spaceId (String20)	An identifier that is uniquely assigned to this feature for identification purposes.

Attributes:

doorType (CodeDoorType)	The type of door.
fireRated (CodeBoolean)	Boolean to indicate whether door is a fire door or not[SDSFIE Attribute Table].
fireTime (Integer)	Time in hours for which a fire door is rated[SDSFIE Attribute Table].
isSecure (CodeBoolean)	Boolean for whether door provides access to a secure area[SDSFIE Attribute Table].
accessedArea (CodeAccess)	The area which is accessed to / from the door.
accessRestriction (CodeRestrictionType)	Type of equipment installed to restrict access[SDSFIE Attribute Table].
isAlarmed (CodeBoolean)	Boolean for whether door is connected to an alarm that will sound if it is openned without authorization.
description (String255)	Description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Elevator

(Database Feature Class Name = Elevator)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Area of a floor where an elevator shaft is located

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
elevatorId (String25)	A unique identifier assigned to the Elevator.
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

elevType (String20)	Code for the type of elevator[SDSFIE Attribute Table].
accessRestriction (CodeRestrictionType)	Type of equipment installed to restrict access.[SDSFIE Attribute Table].
fromLevel (CodeFloorLevel)	The lowest level of the building served by the elevator.
toLevel (CodeFloorLevel)	The highest level of the building served by the elevator.
fromLevelRestricted (CodeFloorLevel)	The lowest level of the building served by the elevator, where access is restricted.
toLevelRestricted (CodeFloorLevel)	The highest level of the building served by the elevator, where access is restricted.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
floors (Integer)	The number of floors served by the elevator.[SDSFIE Attribute Table].
secure (CodeBoolean)	Boolean for whether elevator provides access to a secure area[SDSFIE Attribute Table].
description (String255)	Description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Escalator

(Database Feature Class Name = Escalator)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Area of a floor occupied by escalators

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
escalatorId (String25)	A unique identifier assigned to the Escalator.
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
manufacturerName (String60)	The coomon name used to refer to the manufacturer.
modelNumber (String20)	The model number assigned by the manufacturer.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Floor

(Database Feature Class Name = Floor)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Floor outline of a building

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
floorName (String50)	Name of the building floor.[SDSFIE Feature Table].
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

usableArea (Real)	Usable or net area of the building floor. The sum of usable areas on the building floor (i.e., business and common) which can vary over the life of a building as corridors expand and contract as floors are remodeled.[SDSFIE Feature Table].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Flooring Material

(Database Feature Class Name = FlooringMaterial)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

Are of floor with a common material type.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

type (String60)	Common name associated with the feature.[Airport].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Furnishing

(Database Feature Class Name = Furnishing)

Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted

The location of various interior furnishings

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
Attributes:	
type (String60)	Common name associated with the feature.[Airport].
modelNumber (String20)	The model number assigned by the manufacturer.
manufacturerName (String60)	The coomon name used to refer to the manufacturer.
Metadata:	
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Interior Sign

(Database Feature Class Name = InteriorSign)

Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted

Signs located inside of a building.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
interiorSignId (String10)	A unique identifier assigned to the InteriorSign.
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
spaceId (String20)	An identifier that is uniquely assigned to this feature for identification purposes.

Attributes:

messageA (String255)	The primary text message which appears on the sign.
messageB (String255)	A secondary text message which appears on the sign.
modelNumber (String20)	The model number assigned by the manufacturer.
manufacturerName (String60)	The coomon name used to refer to the manufacturer.
dateInstalled (Date)	The date on which the feature was originally installed.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Ladder

(Database Feature Class Name = Ladder)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

The location of a ladder for accessing another floor or roof of a building.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
ladderId (String10)	A unique identifier assigned to the Ladder.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
spaceID (String20)	An identifier that is uniquely assigned to this feature for identification purposes.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Maintenance Responsibility Area

(Database Feature Class Name = MaintenanceResponsibilityArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An area on interior space assigned to a single enity to maintain.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
responsibleParty (String60)	A code representing the party who is responsible for performing maintenance in the designated area.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Moving Sidewalk

(Database Feature Class Name = MovingSidewalk)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Area of a floor occupied by a moving sidewalk

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
sidewalkId (String60)	Common name associated with the feature.[Airport].
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
modelNumber (String20)	The model number assigned by the manufacturer.
manufacturerName (String60)	The coomon name used to refer to the manufacturer.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Passenger Gate

(Database Feature Class Name = PassengerGate)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Unclassified

The location of a passenger boarding gate.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

description (String255)	A description or other unique information concerning the subject item.
isCommonUse (CodeBoolean)	An indicator as to whether the passenger gate is common used or assigned to a signle airline.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Room

(Database Feature Class Name = Room)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Room outline within a building

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
roomName (String60)	Name of the building room.[SDSFIE Feature Table].
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

SaulaCode (String16)	The Successor Airport-Airline Use and Lease Agreement (SAULA) code assigned to spaces, rooms and lease areas at H-JAIA.
area (Real)	The size of the area, zone, or polygon in square units.[SDSFIE Feature Table].
height (Real)	Height dimension of the building room, measured from floor to ceiling.[SDSFIE Feature Table].
length (Real)	Length dimension of a building room, measured from inside of wall to inside of wall.[SDSFIE Feature Table].
width (Real)	Width dimension of a building room, measured from inside of wall to inside of wall.[SDSFIE Feature Table].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Space

(Database Feature Class Name = Space)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

A space not elsewhere classified within a building

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
spaceId (String50)	Name of the building space.[SDSFIE Feature Table].
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

saulaCode (String16)	The Successor Airport-Airline Use and Lease Agreement (SAULA) code assigned to spaces, rooms and lease areas at H-JAIA.
area (Real)	The size of the area, zone, or polygon in square units.[SDSFIE Feature Table].
height (Real)	Height of building space, or distance from floor to ceiling.[SDSFIE Feature Table].
length (Real)	Length dimension of building space, from inside of wall or partition to inside of wall or partition.[SDSFIE Feature Table].
width (Real)	Width dimension of building space, from inside wall or partition to inside of wall or partition.[SDSFIE Feature Table].
description (String255)	Description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.
FkEcaiId (String7)	Foreign Key identifier used to link to Electrical Closet Asset Inventory

Interior : Stair

(Database Feature Class Name = Stair)

Geometry Type: Polygon Accuracy: +/-0.5Ft. Sensitivity: Restricted

Area of a floor where stairs are located

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

escRoute (CodeBoolean)	Boolean indicator for whether stairs are a part of an approved escape route[SDSFIE Attribute Table].
fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
elevRefLow (Integer)	A reference to the lowest floor elevation served by this feature.
elevRefHigh (Integer)	A reference to the highest floor elevation served by this feature.
description (String255)	Description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Wall

(Database Feature Class Name = Wall)

Geometry Type: Line Accuracy: +/-0.5Ft. Sensitivity: Restricted

Wall within a floor

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

description (String255)	Description of the feature.
isStructural (CodeBoolean)	Indicator for whether the wall is a structural wall or not[SDSFIE Attribute Table].
structuralMaterial (CodeMaterialType)	The material used for the structural or inner composition of the wall.
surfaceMaterial (CodeWallMaterial)	The material used for the surface or outer face of the wall.
thickness (Real)	Thickness in inches of the wall[SDSFIE Attribute Table].
isFire (CodeBoolean)	An indicator as to whether the feature is design to restrain fire[SDSFIE Attribute Table].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Interior : Window

(Database Feature Class Name = Window)

Geometry Type: Line Accuracy: +/-0.5Ft. Sensitivity: Restricted

Line where window is located on an exterior wall

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String30)	An alphanumeric code indicating the number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

glassType (String20)	Code for the type of glass installed in the window[SDSFIE Attribute Table].
description (String255)	Description of the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Navigational_Aids

Navigational_Aids : Navigational Aid Critical Area

(Database Feature Class Name = NavaidCriticalArea; FAA=NavaidCriticalArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A zone encompassing a specific ground area in the vicinity of a radiating antenna array which must be protected from parking and unlimited movement of surface and air traffic. The drawings included in this table are representative, be sure to refer to the [FAA Order 6750.16C].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
dimensionX (Integer)	The linear dimension of the critical area in the X axis.
dimensionY (Integer)	The linear dimension of the critical area in the Y axis.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Navigational_Aids : Navigational Aid Equipment

(Database Feature Class Name = NavaidEquipment; FAA=NavaidEquipment)

Geometry Type: Point Accuracy: +/-Ft. Sensitivity: Unclassified

Any ground-based visual or electronic device that provides point to point guidance information or position to aircraft in flight. [FAA Specification 405].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature
faaFacilityId (String4)	Enter the identifier. When reporting on a glide slope, enter the identifier of the associated localizer. Do not enter the prefix I for ILS or M used with the MLS systems. Where more than one ASR is in operation at the same location or at an associated loc[FAA Order 8250-42].
alias (String60)	An alternative or former name by which the feature is referred.
runwayEndId (String3)	Identify the primary instrument runway served by the facility. When more than one runway is served by a precision approach aid (such as a PAR), provide a separate feature for each runway. This attribute is only required for ILS, MLS, TLS, and PAR.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 255

characters.

navaidEquipmentType (CodeNavaidEquipmentType) Specifies the type of NAVAID

navigationalAidSystemType (CodeNavaidSystemType) Identifies the navigational aid equipment as part of an overall system. For example the localizer and glideslope together make up the Instrument landing system (ILS) or the MLS Azimuth and MLS Elevation make up a Microwave Landing System.

useCode (CodeUseCode) The code that represents the airspace structure in which the aeronautical navigational aid is utilized.

antennaToThresholdDistance (Real) The distance in feet that the antenna is from the runway threshold. Provide the distance to the nearest tenth of a foot.

centerlineDistance (Real) Distance from the centerline perpendicular point to the physical runway end. This should be the same distance as the antenna to threshold distance unless the runway end the navigational aid serves has a displaced threshold. Provide this distance to the ne

stopEndDistance (Real) Provide the distance the from the antenna along the centerline to the stop end of the runway.

offsetDistance (Real) The distance in feet that the feature is offset from the runway centerline. Provide this distance to the nearest tenth of a foot.

offsetDirection (CodeOffsetDirection) Enter the direction (right, left, or on centerline) the navigational aid is offset from the runway. Determine the appropriate direction from the approach threshold down the runway.

lightingType (CodeLightingConfigurationType) The type of Visual navigational aid system (use only when CodeNavaidEquipmentType is set to visual)

owner (Enumeration60) A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].

referencePointEllipsoidHeight (Real) Provide the height above the ellipsoid (HAE) for the referencePoint.

referencePointThreshold (Real) Distance from the runway reference point to the threshold. Provide this distance to the nearest tenth of a foot.[FAA AAS-100].

thresholdCrossingHeight (Real) The designated crossing height of the flight path angle above the Landing Threshold Point (or Fictitious Threshold Point).

highAngle (Real) Maximum approach light vertical angle[FAA AAS-100].

ellipsoidElevation (Real) The Base Elevation for most NAVAIDs. For ILS DME, the elevation is the center of the antenna cover. For MLSAZ, MLSEL, and End Fire Type Glide Slope Antennas, the elevation is the phase center of the reference point.

Metadata:

projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20) A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus) A temporal description of the operational status of the feature.

Alternative (Integer) Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254) An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

dataSource (CodeDataSource) The source of the data in this record.

sourceStatement (String255) A statement providing additional details about the source of the data.

editorName (String50) The name of the individual who last edited this data.

lastUpdate (Date) The date upon which any data associated with this record was last updated.

System Keys:

guid (String60) A globally unique identifier applied to each feature in the database for reference.

metaId (Integer) An identifier used to refer to a metadata record that provide additional information about the data in this record.

Navigational_Aids : Navigational Aid Site

(Database Feature Class Name = NavaidSite; FAA=NavaidSite)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Unclassified

The parcel, lease, or right-of-way boundary for a navaid facility that is located off airport property.

Names and Identifiers:

id (String40) A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

name (String50)	Name of the feature
faaFacilityId (String4)	The location identifier assigned to the feature by FAA
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A brief description of the facility and any special characteristics.
facilityType (String16)	The type of facility or feature related to airfield operations.
propertyCustodian (String50)	The regional property management office responsible for ownership of the site
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: SeaPlane

SeaPlane : AnchorageArea

(Database Feature Class Name = AnchorageArea; FAA=AnchorageArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

An area designated specifically for the parking of seaplanes.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
name (String50)	Name of the feature.
description (String255)	Description of the feature.
mooringLocations (Integer)	Specify the number of mooring locations provided in the AnchorageArea.
length (Integer)	Specify the overall length available for the AnchorageArea
width (Integer)	Specify the overall length available for the floating dock
depth (Integer)	Specify the depth of the turning basin with respect to mean lowest low tide to the nearest 0.5 foot.
bottomConditions (String240)	Specify the type of bottom conditions in the AnchorageArea.
restriction (String240)	Any restrictions or cautions associated with the AnchorageArea
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Dock

(Database Feature Class Name = DockArea; FAA=DockArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A defined area on a seaplane base either fixed or floating, intended to accommodate aircraft for purposes of loading or unloading passengers or cargo, refueling, parking, or maintenance.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
Pier (CodeBoolean)	Specify if a pier is available in the dockArea
PierLength (Integer)	Specify the overall length available for the pier
PierWidth (Integer)	Specify the overall length available for the pier
PierMaterial (CodeVerticalStructureMaterial)	Specify the materials used in the construction of the pier.
HoistingCapability (Integer)	Specify the hoisting capability in pounds
MarineRailwayPlatformLength (Integer)	Specify the length of the marine railway platform
MarineRailwayPlatformWidth (Integer)	Specify the width of the marine railway platform
MarineRailwayPlatformCapacity (Integer)	Specify the capacity of the marine railway platform in pounds
Gangway (CodeBoolean)	Specify if a gangway is available
GangwayLength (Integer)	Specify the overall length available for the gangway
GangwayWidth (Integer)	Specify the overall length available for the gangway
GangwayMaterial (CodeVerticalStructureMaterial)	Specify the material used to construct the gangway
FloatingDock (CodeBoolean)	Specify if a floating dock is available
FloatingDockLength (Integer)	Specify the overall length available for the floating dock
FloatingDockWidth (Integer)	Specify the overall length available for the floating dock
FloatingDockMaterial (CodeVerticalStructureMaterial)	Specify the material used in constructing the dockArea
FloatingBarge (CodeBoolean)	Specify if a floating barge is available
FloatingBargeLength (Integer)	Specify the overall length available for the floating barge
FloatingBargeWidth (Integer)	Specify the overall length available for the floating barge
FloatingBargeMaterial (CodeVerticalStructureMaterial)	Specify the material used in constructing the floatingBarge

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Navigation Buoy

(Database Feature Class Name = NavigationBuoy; FAA=NavigationBuoy)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Unclassified

A floating marker which is moored to the bottom at a specific known location, which is used as an aid to navigation or for other special purpose. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Any commonly used name associated with the buoy.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the buoy limited to 255 characters. Use this to describe navigational requirements or warnings.
designator (String20)	The official number of the buoy.
Type (CodeBuoyType)	Discriminator - The type of the buoy or marker.
lightingType (CodeLightingConfigurationType)	Type of lighting available at the location (if any)
color (CodeColor)	Code used to indicate the navigational color of the buoy.
owner (Enumeration60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Seaplane Ramp Centerline

(Database Feature Class Name = SeaplaneRampCenterline; FAA=SeaplaneRampCenterline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Restricted

The centerline of ramps specifically designed to transit seaplanesto or from land or water. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
Length (Integer)	Specify the length of the seaplane ramp centerline from the water to the shoreline

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Seaplane Ramp Site

(Database Feature Class Name = SeaplaneRampSite; FAA=SeaplaneRampSite)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

Ramps specifically designed to transit seaplanes from land to or from land to water. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
Width (Integer)	Identify the width of the seaplane ramp site
Slope (Integer)	The slope of the ramp specified as an integer value.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Taxi Channel

(Database Feature Class Name = TaxiChannel; FAA=TaxiChannel)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A water channel used for the movement of aircraft between shore facilities and the water lane. [AC 150/5395-1].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
Name (String50)	Any commonly used name associated with the taxi channel.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

Description (String255)	Description of the feature.
Restriction (String240)	Any restrictions or cautions associated with the taxi channel
Length (Integer)	Specify the overall length of the taxi channel
Width (Integer)	Specify the overall width of the taxi channel
Depth (Integer)	Specify the depth of the taxi channel with respect to mean lowest low tide

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Turning Basin

(Database Feature Class Name = TurningBasin; FAA=TurningBasin)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A water area used for the maneuvering of aircraft where the use of water surface is restricted. Turning basins should be located adjacent to shoreline facilities and at each end of the water operating area. [AC 150/5395-1].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
Name (String50)	A commonly used name for the turning basin
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

Restriction (String240)	Any restrictions or cautions associated with the turning basin
Length (Integer)	Specify the overall length of the turning basin to the nearest 5 feet.
Width (Integer)	Specify the overall width of the turning basin to the nearest 5 feet
Depth (Integer)	Specify the depth of the turning basin with respect to mean lowest low tide to the nearest 0.5 foot.
Diameter (Integer)	The diameter of the turning basin available for use by aircraft to the nearest 5 feet.
CompassLocation (CodeCompassLocation)	Code indicating the cardinal compass location of the turning basin from centroid of the WaterLaneEnd

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Water Lane End

(Database Feature Class Name = WaterLaneEnd; FAA=WaterLaneEnd)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Restricted

The end of the water land (typically located at the furthest end of a turning basin) suitable for landing or takeoff runs of aircraft. WaterLandEnds define the water lane and describe the approach/departure procedure characteristics of a water land.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
Name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

Description (String255)	Description of the feature.
MagneticBearing (Integer)	Compute and specify the magnetic bearing of the primary water lane to the nearest degree based on the location of the reciprocal WaterLaneEnd points. This is similar to the runway magnetic bearing for a land based airport.
CompassLocation (CodeCompassLocation)	Code indicating the cardinal compass location of the turning basin from centroid of the WaterLaneEnd. This feature is similar to the land based airport RunwayEnd.
Restriction (String240)	Any restrictions or cautions associated with the sea plane landing area.
AirMarker (CodeBoolean)	Code specifying if a standard air maker is used to indicate if a standard air marker is in use at the location.
Type (CodeBoolean)	Identifies the WaterLaneEnd as the primary or alternate. Primary = Y, alternate=N
Color (CodeColor)	The color of the air marker at the location (if any)
LightingType (CodeLightingConfigurationType)	Type of lighting available at the location (if any)
ApproachGuidance (CodeApproachGuidance)	Identifies the type of approach guidance in use or planned for the water operating area.
Length (Integer)	Specify the overall length of the primary water lane
Width (Integer)	Specify the overall width of the primary water lane
Depth (Integer)	Specify the depth of the primary water lane with respect to mean lowest low tide
Centroid (Integer)	The geographic location of the primary water centroid, used to determine the primary and alternate water lanes within the water operating area.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

SeaPlane : Water Operations Area

(Database Feature Class Name = WaterOperatingArea; FAA=WaterOperatingArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

An area designated and marked for the takeoff and landing of aircraft. This is equivalent to the Airport Operating Area of a land based airport.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
Name (String50)	Name of the feature water body (river/lake).
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

Description (String255)	Description of the feature.
SurfaceMaterial (CodeSurfaceMaterial)	Code used to indicate the type of water the water operating area is on or planned to use.
Length (Integer)	Specify the overall length of the WaterOperatingArea to the nearest 5 feet
Width (Integer)	Specify the overall width of the waterOperatingArea to the nearest 5 feet
CurrentFlowRate (Integer)	Measure and specify the rate of the current flow in the WaterOperatingArea in miles per hour
CompassLocation (CodeCompassLocation)	Specify the magnetic bearing of the current flow direction
TidalRange (Integer)	Specify (in feet) the height difference in height from mean low mean high tide
CoordinatedUseType (CodeCoordinatedUseType)	Specify the primary coordinated use of the waterway. If no single activity comprises the majority of the coordinated use then specify multiple.
CoordinatedUseActivityLevel (Integer)	Provide the amount of activity based on percentage of daily use of the primary coordinated use type. If coordinated use type is multiple provide the largest activity level of the single most expected activity.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Security

Security : Security Area

(Database Feature Class Name = SecurityArea; FAA=SecurityArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Secret

An area of the airport in which security measures required by 49CFR1542.201 must be carried out. [49CFR1542].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Security : Security Identification Display Area

(Database Feature Class Name = SecurityIdDisplayArea; FAA=SecurityIdDisplayArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Secret

Portions of an airport, specified in the airport security program, in which security measures required by regulation must be carried out. This area includes the security area and may include other areas of the airport. [DHS].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Security : Security Perimeter Line

(Database Feature Class Name = SecurityPerimeterLine; FAA=SecurityPerimeterLine)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

Any type of perimeter, such as barbed wire, high fences, motion detectors and armed guards at gates, that ensure no unauthorized visitors can gain entry. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A description or other unique information concerning the subject item, limited to 255 characters.[SDSFIE Attribute Table].
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Security : Sterile Area

(Database Feature Class Name = SterileArea; FAA=SterileArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Secret

Portions of an airport defined in the airport security program that provide passengers access to boarding aircraft and to which the access is generally controlled by TSA, an aircraft operator, or a foreign air carrier. [DHS].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	

description (String255)	Description of the feature.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Security : Surveillance Camera

(Database Feature Class Name = SurveillanceCamera)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Top Secret

The location of a video camera used for surveillance purposes. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
alias (String60)	An alternative or former name by which the feature is referred.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Structures

Structures : Building

(Database Feature Class Name = Building; FAA=Building)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A three-dimensional structure (i.e. hangars, terminals, etc.) modeled with a bounding polygon.

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

name (String50)	Name of the feature.
buildingNumber (String16)	The code indicating the number of the building.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 255 characters.
structureType (CodeStructureType)	The type of structure.
numberOfCurrentOccupants (Integer)	Number of persons currently occupying the structure
areaInside (Real)	Total inside area of structure
structureHeight (Real)	Maximum height of structure; i.e. AGL height
areaFloor (Real)	Total inside floor area
lightingType (CodeLightingConfigurationType)	A description of the lighting system.
markingFeatureType (CodeMarkingFeatureType)	The color of the marking(s)
color (CodeColor)	The type of the marking(s)

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Structures : Project Area

(Database Feature Class Name = ConstructionArea; FAA=ConstructionArea)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

A defined area that is under construction, not intended for active use until authorized by the concerned authority. The area defines a boundary for personnel, material, and equipment engaged in the construction activity. [FAA].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
projectName (String60)	The name of the construction project
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 255 characters.
projectStatus (CodeProjectStatus)	The status of the construction project
coordinationContact (String75)	Airport, emergency, airline, tenant, and contractor personnel who are responsible for coordinating on-airport construction work

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Structures : Fence

(Database Feature Class Name = Fence; FAA=Fence)

Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted

Any fencing (chain-link, razor wire, PVC, etc.). [FAA].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 255 characters.
height (Real)	The overall distance from the surface of the ground to the top of the fence.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Structures : Gate

(Database Feature Class Name = Gate; FAA=Gate)

Geometry Type: Line Accuracy: +/-3Ft. Sensitivity: Restricted

A gate is an opening in a fence or other type of barrier between areas. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name, code or identifier used to identify the gate.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description or other unique information concerning the subject item, limited to 240 characters.
type (String50)	The gate material and method of construction.
length (Real)	The overall distance from one end of the gate to the other.
height (Real)	The overall distance from the surface of the top of the gate.
attended (CodeBoolean)	A Boolean indicating whether the gate is tended by a guard or other individual.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Structures : Roof

(Database Feature Class Name = Roof; FAA=Roof)

Geometry Type: Polygon Accuracy: +/-3Ft. Sensitivity: Restricted

Structure on top of buildings, garages and other similar structures.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String16)	The code indicating the number of the building

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Structures : Tower

(Database Feature Class Name = Tower; FAA=Tower)

Geometry Type: Point Accuracy: +/-3Ft. Sensitivity: Restricted

A structure created, by man, to facilitate an activity at an elevated level above the ground.

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
verticalStructureMaterial (CodeVerticalStructureMaterial)	Classifies the predominant material of the vertical object
lightCode (CodeBoolean)	A code indicating that the tower is lighted[AIXM].
lightingType (CodeLightingConfigurationType)	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction
markingFeatureType (CodeMarkingFeatureType)	The type of the marking(s)
color (CodeColor)	The color of the marking(s)
structureHeight (Real)	Maximum height of structure; i.e. AGL height

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Surface_Transportation

Surface_Transportation : Bridge

(Database Feature Class Name = Bridge; FAA=Bridge)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A structure used by vehicles that allows passage over or under an obstacle such as a river, chasm, mountain, road or railroad. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
surfaceMaterial (CodeSurfaceMaterial)	The material used as a surface for the bridge.
bridgeType (CodeBridgeType)	The type of bridge.
verticalStructureMaterial (CodeVerticalStructureMaterial)	Classifies the predominant material of the vertical object

directionality (CodeDirectionality)	Code indicating the traffic flow of the bridge being classified.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Driveway

(Database Feature Class Name = DrivewayArea; FAA=DrivewayArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

An access to a residence or other vehicle parking lot or storage area. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	Description of the feature.
surfaceMaterial (CodeSurfaceMaterial)	The material used as a surface for the driveway.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Driveway Centerline

(Database Feature Class Name = DrivewayCenterline; FAA=DrivewayCenterline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Restricted

The center of the driveway as measured from the edge of the paved surface. The segments of a driveway centerline will coincide with the road segments in order to provide network connectivity. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Parking Lot

(Database Feature Class Name = ParkingLot; FAA=ParkingLot)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

An area of an airport used for parking of automobiles, buses, etc. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Any commonly used name for the parking area.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	A description of the parking lot.
parkingLotUse (String16)	The primary use of the parking area.
totalNumberSpaces (Integer)	The total parking spaces available in the area including handicapped or reserved spaces.
numberHandicapSpaces (Integer)	The total number of spaces marked as being handicapped parking.
owner (Enumeration60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
surfaceType (CodeSurfaceType)	Type of different materials used to construct the surface.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Railroad Centerline

(Database Feature Class Name = RailroadCenterline; FAA=RailroadCenterline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Confidential

Represents the centerline of each pair of rails. [ANSI: Data Content Standards For Transportation Networks: Roads].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Any commonly used name for the railroad.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Any narrative remarks concerning the railroad.
numberOfTracks (Integer)	The number of tracks present
owner (Enumeration60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
isBridge (CodeBoolean)	Indicates given railroad segment is bridge (Y- a is bridge, N- is not a bridge).
isTunnel (CodeBoolean)	Indicates given railroad segment is tunnel (Y- is a tunnel, N- is not a tunnel).
directionality (CodeDirectionality)	Code indicating the traffic flow of the railroad segment being classified.
segmentType (CodeSegmentType)	Code indication the sequence or position of the segment being classified by the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Railroad Yard

(Database Feature Class Name = RailroadYard; FAA=RailroadYard)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

Represents a railroad yard. [ANSI: Data Content Standards For Transportation Networks: Roads].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A name that represent the railroad yard.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Any brief description of the feature.
owner (Enumeration60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Road Centerline

(Database Feature Class Name = RoadCenterline; FAA=RoadCenterline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Confidential

The center of the roadway as measured from the edge of the paved surface. The segments of a road centerline will coincide with the road segments in order to have similar characteristics. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Any commonly used name for the road centerline.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
color (CodeColor)	The color of the centerline marking.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Road Point

(Database Feature Class Name = RoadPoint; FAA=RoadPoint)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Confidential

A point along the roadway which has some special significance either for starting or ending a road segment or for representing a significant position along the roadway system such as the start or center of a bridge or the center of an intersection. [ANSI: Data Content Standards For Transportation Networks: Roads*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Road Segment

(Database Feature Class Name = RoadSegment; FAA=RoadSegment)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

Represents a linear section of the physical road system designed for, or the result of, human or vehicular movement; must be continuous (no gaps) and cannot branch; no mandates are provided on how to segment the road system except that data providers adop [ANSI: Data Content Standards For Transportation Networks: Roads*].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	A common name or street name used to refer to the stretch of road.
alias (String60)	An alternative or former name by which the feature is referred.
alternateName (String30)	The alternate name or second name for the road.
route1Name (String30)	The route number or other identifier that is affiliated with the first route type
route2Name (String30)	The route number or other identifier that is affiliated with the second route type
route3Name (String30)	The number or other identifier that is affiliated with the third route type

Attributes:

description (String255)	A general description of the road.
route1Type (CodeRouteType)	The first route type for the road (Interstate, US, State, etc.)
route2Type (CodeRouteType)	The second route type for the road (Interstate, US, State, etc.)
route3Type (CodeRouteType)	The third route type for the road (Interstate, US, State, etc.)

numberOfLanes (Integer)	The total number of lanes of traffic, counting both directions, not including turning lanes.[SDSFIE Feature Table].
length (Real)	The length of the road segment measured at the centerline.[SDSFIE Feature Table].
width (Real)	The average width of the road segment.[SDSFIE Feature Table].
isBridge (CodeBoolean)	Indicates given road segment is bridge (Y- a is bridge, N- is not a bridge).[SDSFIE Feature Table].
isTunnel (CodeBoolean)	Indicates given road segment is tunnel (Y- is a tunnel, Nis not a tunnel).[SDSFIE Feature Table].
directionality (CodeDirectionality)	Code indicating the traffic flow on the road segment.
segmentType (CodeSegmentType)	Code indicating the type of segment being classified.
surfaceType (CodeSurfaceType)	Type of material used to construct the surface.
surfaceMaterial (CodeSurfaceMaterial)	Material used to construct the surface of the road.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Sidewalk Segment

(Database Feature Class Name = Sidewalk; FAA=Sidewalk)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

A paved or concrete pad used as a pedestrian walkway. Usually is composed of one or more SideWalkSegments. [SDSFIE].

Names and Identifiers:	
id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
Attributes:	
description (String255)	A brief description of any special characteristics of the sidewalk.
walkUse (String26)	A short description of the primary use of the sidewalk.
AmericanDisabilitiesAct (CodeBoolean)	Boolean indicating whether or not the walkway is in compliance with the American Disabilities Act.
length (Real)	The overall length of the sidewalk section.
width (Real)	The mean width of the sidewalk section.
surfaceMaterial (CodeSurfaceMaterial)	Primary material used in the sidewalk and/or trail.
segmentType (CodeSegmentType)	Code indicating the type of segment being classified.
Metadata:	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Surface_Transportation : Tunnel

(Database Feature Class Name = Tunnel; FAA=Tunnel)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Restricted

The area of a transportation passage, open at both ends, used to provide access through or under a natural obstacle. [SDSFIE].

Names and Identifiers:

id (String40)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255)	Description of the feature.
type (String16)	The code that represents the type of tunnel
verticalClearance (Real)	Indicates the actual vertical clearance to the top of the tunnel imposed by any restrictions.
averageHeight (Real)	The average height of the tunnel.
averageWidth (Real)	The average width of the tunnel.
length (Real)	The length of the tunnel.
directionality (CodeDirectionality)	Code indicating the direction of traffic flow in the tunnel.
segmentType (CodeSegmentType)	Code indicating the type of segment being classified.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
dataSource (CodeDataSource)	The source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Domain Values

Below are acceptable domain values for each of the attributes bound by list domains. Each list of acceptable values is an enumeration, which means that one of the values must be selected in order to be compliant with the standard. For each value, a definition along with any applicable source information is provided.

CodeAccess

Used by Attributes: Door - Accessed Area

Value	Definition (Notes) [Source]
Public to Public	Public to Public
Public to Restricted	Public to Restricted
Public to SIDA	Public to SIDA
Public to Sterile	Public to Sterile
Ramp Call	Ramp Call
Restricted to Restricted	Restricted to Restricted
Restricted to SIDA	Restricted to SIDA
SIDA to Public	SIDA to Public
SIDA to Restricted	SIDA to Restricted
Sterile to Restricted	Sterile to Restricted
Sterile to SIDA	Sterile to SIDA
Sterile to Sterile	Sterile to Sterile

CodeAcquisitionType

Used by Attributes: Airport Parcel - Acquisition Type;Parcel - Acquisition Type

Value	Definition (Notes) [Source]
EASEMENT	Rights given to use land in a specific manner
FEE_SIMPLE	Purchased real property; absolute ownership
LEASED	Restricted use of land for a specific period of time

CodeAirline

Used by Attributes: Baggage Carousel - Tenant Name;Baggage Conveyor - Tenant Name

Value	Definition (Notes) [Source]
Air Canada	Air Canada
Air Canada Jazz	Air Canada Jazz
Air France	Air France
AirTran Airways	AirTran Airways
American Airlines	American Airlines
American Connection - American Eagle	American Connection - American Eagle
American Connection - Chautauqua Airlines	American Connection - Chautauqua Airlines
American Connection - Trans States Airlines	American Connection - Trans States Airlines
British Airways	British Airways
Continental Airlines	Continental Airlines
Delta Air Lines	Delta Air Lines
Delta Connection - Atlantic Southeast Airlines	Delta Connection - Atlantic Southeast Airlines
Delta Connection - Comair	Delta Connection - Comair
Delta Connection - Freedom Airlines	Delta Connection - Freedom Airlines
Delta Connection - Pinnacle Airlines	Delta Connection - Pinnacle Airlines
Delta Connection - Shuttle America	Delta Connection - Shuttle America
Delta Connection - SkyWest Airlines	Delta Connection - SkyWest Airlines
Delta Connection / Atlantic Southeast Airlines	Delta Connection / Atlantic Southeast Airlines
Delta Connection / Freedom Airlines	Delta Connection / Freedom Airlines
Delta Connection / Pinnacle Airlines	Delta Connection / Pinnacle Airlines

Delta Connection / SkyWest Airlines	Delta Connection / SkyWest Airlines
Frontier Airlines	Frontier Airlines
KLM Royal Dutch Airlines	KLM Royal Dutch Airlines
Korean Air	Korean Air
Lufthansa German Airlines	Lufthansa German Airlines
Midwest Airlines	Midwest Airlines
Multiple	Multiple
Northwest Airlines	Northwest Airlines
Omni Air International	Omni Air International
Other	Other
Ryan International	Ryan International
Spirit Airlines	Spirit Airlines
United Airlines	United Airlines
United Express - Mesa	United Express - Mesa
United Express - Shuttle America	United Express - Shuttle America
Unknown	Unknown
US Airways	US Airways
US Airways Express - Air Wisconsin	US Airways Express - Air Wisconsin
US Airways Express - Mesa	US Airways Express - Mesa
US Airways Express - PSA	US Airways Express - PSA
US Airways Express - Republic	US Airways Express - Republic
World Airways	World Airways

CodeAirportFacilityType

Used by Attributes: Airport Boundary - Airport Facility Type

Value	Definition (Notes) [Source]
AD	Airport only
AH	Airport with helicopter landing area
H	Helicopter (the stall speed method of calculating aircraft category does not apply)
HP	Heliport only
LS	Landing Site

CodeApproachCategory

Used by Attributes: Runway End - Approach Category

Value	Definition (Notes) [Source]
A	Speed less than 91 knots
B	Speed 91 knots or more but less than 121 knots
C	Speed 121 knots or more but less than 141 knots
D	Speed 141 knots or more but less than 166 knots
E	Speed 166 knots or more

CodeApproachGuidance

Used by Attributes: Obstruction Identification Surface - Approach Guidance;Runway End - Approach Guidance;Water Lane End - Approach Guidance

Value	Definition (Notes) [Source]
NON_VERTICAL	Runway is used for or planned use is for Non-Vertically Guided operations
PRECISION_CAT_I	Runway is used or or planned use is for Precision Category 1 operations
PRECISION_CAT_II	Runway is used for or planned use is for Precision Category II operations
PRECISION_CAT_IIIA	Runway is used for or planned use is for Precision Category IIIa operations.
PRECISION_CAT_IIIB	Runway is used for or planned use is for Precision Category IIIb operations
PRECISION_CAT_IIIC	Runway is used for or planned use is for Precision Category IIIc operations
VERTICAL	Runway is used for or planned use is for Vertically Guided (other than precision) operations
VISUAL	Runway is used for or planned use is for visual operations only

CodeApronType

Used by Attributes: Apron - Apron Type

Value	Definition (Notes) [Source]
CARGO	Cargo loading area used for the loading/unloading of cargo
DE_ICING	Area used for deicing of aircraft
FUEL	Area used for aircraft fueling
HARDSTAND	Area used for parking a single aircraft. More temporary than parking
LOADING	Passenger loading area used for the loading/unloading of passengers
MAINT	Area used for maintenance of aircraft
MILITARY	Apron used by military
NORMAL	Apron
OTHER	Other
PARKING	Area used to park aircraft
RAMP	Access pavement between maintenance hangars opening to the apron and the apron edge
STAIRS	Stairs
TAXILANE	Area where plane is still under terminal control (airline dispatched) as opposed to tower control.
TEMPORARY	Temporary
TURNAROUND	Area used for aircraft to turn around

CodeBoolean

Used by Attributes: Water Lane End - Air Marker;Door - Alarmed;Sidewalk Segment - American with Disabilities Act;Gate - Attended;Passenger Gate - Common Use;Aircraft Gate Stand - Docking Availability;Flora Species Site - Endangered Species Act Site;Stair - Esc Route;Obstacle - FAA Coordination Code;Obstruction Area - FAA Coordination Code;Wall - Fire;Door - Fire Rated;Dock - Floating Barge;Dock - Floating Dock;Obstacle - Frangible;Obstruction Area - Frangible;Dock - Gangway;Airport Control Point - GPS Suitable;Aircraft Gate Stand - Ground Power Availability;Railroad Centerline - Is Bridge;Road Segment - Is Bridge;Runway Centerline - Is Derived;Railroad Centerline - Is Tunnel;Road Segment - Is Tunnel;Aircraft Gate Stand - Jetway Availability;Obstacle - Light Code;Obstruction Area - Light Code;Tank Site - Light Code;Tower - Light Code;Dock - Pier;Shoulder - Restricted;Door - Secure;Elevator - Secure;Wall - Structural;Aircraft Gate Stand - Towing Availability;Water Lane End - Type

Value	Definition (Notes) [Source]
N	No
Y	Yes

CodeBridgeType

Used by Attributes: Bridge - Bridge Type

Value	Definition (Notes) [Source]
ROAD	Road or highway bridge
RR	Railroad or Monorail Bridge
RWY	Runway Bridge
TWY	Taxiway Bridge

CodeBuoyType

Used by Attributes: Navigation Buoy - Type

Value	Definition (Notes) [Source]
Bn	Beacon
C	Can Buoy
F	Fixed
J	Junction (S or T Dayboard)
K	Rectangular (Range Dayboard)
Lb	Lighted buoy

M	Octagonal Dayboard
N	Nun Buoy
O	Other marking
S	Square Dayboard
T	Triangle Dayboard

CodeColor

Used by Attributes: Airfield Light - Color;Building - Color;Land and Hold Short Line - Color;Marking Area - Color;Marking Line - Color;Navigation Buoy - Color;Road Centerline - Color;Tank Site - Color;Tower - Color;Water Lane End - Color

Value	Definition (Notes) [Source]
AMBER	Amber [U.S. CADD]
BLACK	Black [U.S. CADD]
BLUE	Blue [U.S. CADD]
BROWN	Brown [U.S. CADD]
GREEN	Green [U.S. CADD]
GREEN-GREEN	Bidirectional (Source AC 150/5345-46C)
GREEN-RED	Bidirectional (Source AC 150/5345-46C)
GREEN-YELLOW	Bidirectional (Source AC 150/5345-46C)
GREY	Grey [U.S. CADD]
LIGHTGREY	LightGrey [U.S. CADD]
MAGENTA	Magenta [U.S. CADD]
ORANGE	Orange [U.S. CADD]
OTHER	Other [U.S. CADD]
PINK	Pink [U.S. CADD]
PURPLE	Purple [AIXM]
RED	Red [U.S. CADD]
RED-GREEN	Bidirectional (Source AC 150/5345-46C)
RED-RED	Bidirectional (Source AC 150/5345-46C)
TBD	To be determined
VIOLET	Violet [U.S. CADD]
WHITE	White [U.S. CADD]
WHITE-RED	Bidirectional (Source AC 150/5345-46C)
WHITE-WHITE	Bidirectional (Source AC 150/5345-46C)
WHITE-YELLOW	Bidirectional (Source AC 150/5345-46C)
YELLOW	Yellow [U.S. CADD]
YELLOW-GREEN	Bidirectional (Source AC 150/5345-46C)
YELLOW-RED	Bidirectional (Source AC 150/5345-46C)
YELLOW-YELLOW	Bidirectional (Source AC 150/5345-46C)

CodeCompassLocation

Used by Attributes: Turning Basin - Compass Location;Water Lane End - Compass Location;Water Operations Area - Compass Location

Value	Definition (Notes) [Source]
E	East (076 to 105 degrees magnetic)
ESE	East Southeast (106 to 135 degrees magnetic)
N	North (346 to 015 degrees magnetic)
NE	Northeast (046 to 075 degrees magnetic)
NNE	North Northeast (016 to 045 degrees magnetic)
NW	Northwest (316 to 345 degrees magnetic)
S	South (166 to 195 degrees magnetic)
SE	Southeast (136 to 165 degrees magnetic)
SSW	South Southwest (196 to 225 degrees magnetic)
SW	Southwest (226 to 255 degrees magnetic)
W	West (256 to 285 degrees magnetic)
WNW	West NorthWest (286 to 315 degrees magnetic)

CodeCoordinatedUseType

Used by Attributes: Water Operations Area - Coordinated Use Type

Value	Definition (Notes) [Source]
A	Aeronautical
M	Multiple
R	Recreational boating/fishing
S	Commercial Shipping/Fishing

CodeCoordinateZone

Used by Attributes: Airport Control Point - Coordinate Zone

Value	Definition (Notes) [Source]
AK-1	NAD27 Alaska State Planes- Zone 1- US Foot (EPSG #26731)
AK-10	NAD27 Alaska State Planes- Zone 10- US Foot (EPSG #26740)
AK-2	NAD27 Alaska State Planes- Zone 2- US Foot (EPSG #26732)
AK-3	NAD27 Alaska State Planes- Zone 3- US Foot (EPSG #26733)
AK-4	NAD27 Alaska State Planes- Zone 4- US Foot (EPSG #26734)
AK-5	NAD27 Alaska State Planes- Zone 5- US Foot (EPSG #26735)
AK-6	NAD27 Alaska State Planes- Zone 6- US Foot (EPSG #26736)
AK-7	NAD27 Alaska State Planes- Zone 7- US Foot (EPSG #26737)
AK-8	NAD27 Alaska State Planes- Zone 8- US Foot (EPSG #26738)
AK83-1	NAD83 Alaska State Planes- Zone 1- Meter (EPSG #26931)
AK83-10	NAD83 Alaska State Planes- Zone 10- Meter (EPSG #26940)
AK83-10F	NAD83 Alaska State Planes- Zone 10- US Foot
AK83-1F	NAD83 Alaska State Planes- Zone 1- US Foot
AK83-2	NAD83 Alaska State Planes- Zone 2- Meter (EPSG #26932)
AK83-2F	NAD83 Alaska State Planes- Zone 2- US Foot
AK83-3	NAD83 Alaska State Planes- Zone 3- Meter (EPSG #26933)
AK83-3F	NAD83 Alaska State Planes- Zone 3- US Foot
AK83-4	NAD83 Alaska State Planes- Zone 4- Meter (EPSG #26934)
AK83-4F	NAD83 Alaska State Planes- Zone 4- US Foot
AK83-5	NAD83 Alaska State Planes- Zone 5- Meter (EPSG #26935)
AK83-5F	NAD83 Alaska State Planes- Zone 5- US Foot
AK83-6	NAD83 Alaska State Planes- Zone 6- Meter (EPSG #26936)
AK83-6F	NAD83 Alaska State Planes- Zone 6- US Foot
AK83-7	NAD83 Alaska State Planes- Zone 7- Meter (EPSG #26937)
AK83-7F	NAD83 Alaska State Planes- Zone 7- US Foot
AK83-8	NAD83 Alaska State Planes- Zone 8- Meter (EPSG #26938)
AK83-8F	NAD83 Alaska State Planes- Zone 8- US Foot
AK83-9	NAD83 Alaska State Planes- Zone 9- Meter (EPSG #26939)
AK83-9F	NAD83 Alaska State Planes- Zone 9- US Foot
AK-9	NAD27 Alaska State Planes- Zone 9- US Foot (EPSG #26739)
AL83-E	NAD83 Alabama State Planes- Eastern Zone- Meter (EPSG #26929)
AL83-EF	NAD83 Alabama State Planes- Eastern Zone- US Foot
AL83-W	NAD83 Alabama State Planes- Western Zone- Meter (EPSG #26930)
AL83-WF	NAD83 Alabama State Planes- Western Zone- US Foot
AL-E	NAD27 Alabama State Planes- Eastern Zone- US Foot (EPSG #26729)
ALHP-E	HPGN Alabama State Planes- Eastern Zone- Meter (EPSG #2759)
ALHP-EF	HPGN Alabama State Planes- Eastern Zone- US Foot
ALHP-W	HPGN Alabama State Planes- Western Zone- Meter (EPSG #2760)
ALHP-WF	HPGN Alabama State Planes- Western Zone- US Foot
AL-W	NAD27 Alabama State Planes- Western Zone- US Foot (EPSG #26730)
AR83-N	NAD83 Arkansas State Planes- Northern Zone- Meter (EPSG #26951)
AR83-NF	NAD83 Arkansas State Planes- Northern Zone- US Foot
AR83-S	NAD83 Arkansas State Planes- Southern Zone- Meter (EPSG #26952)
AR83-SF	NAD83 Arkansas State Planes- Southern Zone- US Foot
ARHP-N	HARN (HPGN) Arkansas State Planes- Northern Zone- Meter (EPSG #2764)
ARHP-NF	HARN (HPGN) Arkansas State Planes- Northern Zone- US Foot
ARHP-S	HARN (HPGN) Arkansas State Planes- Southern Zone- Meter (EPSG #2765)
ARHP-SF	HARN (HPGN) Arkansas State Planes- Southern Zone- US Foot
AR-N	NAD27 Arkansas State Planes- Northern Zone- US Foot (EPSG #26751)
AR-S	NAD27 Arkansas State Planes- Southern Zone- US Foot (EPSG #26752)

AZ83-C	NAD83 Arizona State Planes- Central Zone- Meter (EPSG #26949)
AZ83-CCM	NAD83 Arizona State Planes- Central Zone- Centimeter
AZ83-CF	NAD83 Arizona State Planes- Central Zone- US Foot
AZ83-CIF	NAD83 Arizona State Planes- Central Zone- Intnl Foot (EPSG #2223)
AZ83-E	NAD83 Arizona State Planes- East Zone- Meter (EPSG #26948)
AZ83-EF	NAD83 Arizona State Planes- East Zone- US Foot
AZ83-EIF	NAD83 Arizona State Planes- East Zone- Intnl Foot (EPSG #2222)
AZ83-W	NAD83 Arizona State Planes- West Zone- Meter (EPSG #26950)
AZ83-WF	NAD83 Arizona State Planes- West Zone- US Foot
AZ83-WIF	NAD83 Arizona State Planes- West Zone- Intnl Foot (EPSG #2224)
AZ-C	NAD27 Arizona State Planes- Central Zone- US Foot (EPSG #26749)
AZ-E	NAD27 Arizona State Planes- East Zone- US Foot (EPSG #26748)
AZHP-C	HPGN Arizona State Planes- Central Zone- Meter (EPSG #2762)
AZHP-CF	HPGN Arizona State Planes- Central Zone- US Foot
AZHP-CIF	HPGN Arizona State Planes- Central Zone- Intnl Foot (EPSG #2868)
AZHP-E	HPGN Arizona State Planes- East Zone- Meter (EPSG #2761)
AZHP-EF	HPGN Arizona State Planes- East Zone- US Foot
AZHP-EIF	HPGN Arizona State Planes- East Zone- Intnl Foot (EPSG #2867)
AZHP-W	HPGN Arizona State Planes- West Zone- Meter (EPSG #2763)
AZHP-WF	HPGN Arizona State Planes- West Zone- US Foot
AZHP-WIF	HPGN Arizona State Planes- West Zone- Intnl Foot (EPSG #2869)
AZ-W	NAD27 Arizona State Planes- West Zone- US Foot (EPSG #26750)
CA83-I	NAD83 California State Planes- Zone I- Meter (EPSG #26941)
CA83-IF	NAD83 California State Planes- Zone I- US Foot (EPSG #2225)
CA83-II	NAD83 California State Planes- Zone II- Meter (EPSG #26942)
CA83-IIF	NAD83 California State Planes- Zone II- US Foot (EPSG #2226)
CA83-III	NAD83 California State Planes- Zone III- Meter (EPSG #26943)
CA83IIIF	NAD83 California State Planes- Zone III- US Foot (EPSG #2227)
CA83-IV	NAD83 California State Planes- Zone IV- Meter (EPSG #26944)
CA83-IVF	NAD83 California State Planes- Zone IV- US Foot (EPSG #2228)
CA83-V	NAD83 California State Planes- Zone V- Meter (EPSG #26945)
CA83-VF	NAD83 California State Planes- Zone V- US Foot (EPSG #2229)
CA83-VI	NAD83 California State Planes- Zone VI- Meter (EPSG #26946)
CA83-VIF	NAD83 California State Planes- Zone VI- US Foot (EPSG #2230)
CAHP-I	HPGN California State Planes- Zone I- Meter (EPSG #2766)
CAHP-IF	HPGN California State Planes- Zone I- US Foot (EPSG #2870)
CAHP-II	HPGN California State Planes- Zone II- Meter (EPSG #2767)
CAHP-IIF	HPGN California State Planes- Zone II- US Foot (EPSG #2871)
CAHP-III	HPGN California State Planes- Zone III- Meter (EPSG #2768)
CAHPIIIF	HPGN California State Planes- Zone III- US Foot (EPSG #2872)
CAHP-IV	HPGN California State Planes- Zone IV- Meter (EPSG #2769)
CAHP-IVF	HPGN California State Planes- Zone IV- US Foot (EPSG #2873)
CAHP-V	HPGN California State Planes- Zone V- Meter (EPSG #2770)
CAHP-VF	HPGN California State Planes- Zone V- US Foot (EPSG #2874)
CAHP-VI	HPGN California State Planes- Zone VI- Meter (EPSG #2771)
CAHP-VIF	HPGN California State Planes- Zone VI- US Foot (EPSG #2875)
CA-I	NAD27 California State Planes- Zone I- US Foot (EPSG #26741)
CA-II	NAD27 California State Planes- Zone II- US Foot (EPSG #26742)
CA-III	NAD27 California State Planes- Zone III- US Foot (EPSG #26743)
CA-IV	NAD27 California State Planes- Zone IV- US Foot (EPSG #26744)
CA-V	NAD27 California State Planes- Zone V- US Foot (EPSG #26745)
CA-VI	NAD27 California State Planes- Zone VI- US Foot (EPSG #26746)
CA-VII	NAD27 California State Planes- Zone VII- US Foot (EPSG #26747)
CO83-C	NAD83 Colorado State Planes- Central Zone- Meter (EPSG #26954)
CO83-CF	NAD83 Colorado State Planes- Central Zone- US Foot (EPSG #2232)
CO83-N	NAD83 Colorado State Planes- Northern Zone- Meter (EPSG #26953)
CO83-NF	NAD83 Colorado State Planes- Northern Zone- US Foot (EPSG #2231)
CO83-S	NAD83 Colorado State Planes- Southern Zone- Meter (EPSG #26955)
CO83-SF	NAD83 Colorado State Planes- Southern Zone- US Foot (EPSG #2233)
CO-C	NAD27 Colorado State Planes- Central Zone- US Foot (EPSG #26754)
COHP-C	HPGN Colorado State Planes- Central Zone- Meter (EPSG #2773)
COHP-CF	HPGN Colorado State Planes- Central Zone- US Foot (EPSG #2877)
COHP-N	HPGN Colorado State Planes- Northern Zone- Meter (EPSG #2772)
COHP-NF	HPGN Colorado State Planes- Northern Zone- US Foot (EPSG #2876)
COHP-S	HPGN Colorado State Planes- Southern Zone- Meter (EPSG #2774)
COHP-SF	HPGN Colorado State Planes- Southern Zone- US Foot (EPSG #2878)
CO-N	NAD27 Colorado State Planes- Northern Zone- US Foot (EPSG #26753)
CO-S	NAD27 Colorado State Planes- Southern Zone- US Foot (EPSG #26755)

CT	NAD27 Connecticut State Plane Zone- US Foot (EPSG #26756)
CT83	NAD83 Connecticut State Plane Zone- Meter (EPSG #26956)
CT83F	NAD83 Connecticut State Plane Zone- US Foot (EPSG #2234)
CTHP	HPGN/HARN Connecticut State Plane Zone- Meter (EPSG #2775)
CTHPF	HPGN/HARN Connecticut State Plane Zone- US Foot (EPSG #2879)
DE	NAD27 Delaware State Planes- US Foot (EPSG #26757)
DE83	NAD83 Delaware State Planes- Meter (EPSG #26957)
DE83F	NAD83 Delaware State Planes- US Foot (EPSG #2235)
DEHP	HPGN Delaware State Planes- Meter (EPSG #2776)
DEHPF	HPGN Delaware State Planes- US Foot (EPSG #2880)
FL83-E	NAD83 Florida State Planes- Eastern Zone- Meter (EPSG #26958)
FL83-EF	NAD83 Florida State Planes- Eastern Zone- US Foot (EPSG #2236)
FL83-N	NAD83 Florida State Planes- Northern Zone- Meter (EPSG #26960)
FL83-NF	NAD83 Florida State Planes- Northern Zone- US Foot (EPSG #2238)
FL83-W	NAD83 Florida State Planes- Western Zone- Meter (EPSG #26959)
FL83-WF	NAD83 Florida State Planes- Western Zone- US Foot (EPSG #2237)
FL-E	NAD27 Florida State Planes- Eastern Zone- US Foot (EPSG #26758)
FLHP-E	HPGN Florida State Planes- Eastern Zone- Meter (EPSG #2777)
FLHP-EF	HPGN Florida State Planes- Eastern Zone- US Foot (EPSG #2881)
FLHP-N	HPGN Florida State Planes- Northern Zone- Meter (EPSG #2779)
FLHP-NF	HPGN Florida State Planes- Northern Zone- US Foot (EPSG #2883)
FLHP-W	HPGN Florida State Planes- Western Zone- Meter (EPSG #2778)
FLHP-WF	HPGN Florida State Planes- Western Zone- US Foot (EPSG #2882)
FL-N	NAD27 Florida State Planes- Northern Zone- US Foot (EPSG #26760)
FL-W	NAD27 Florida State Planes- Western Zone- US Foot (EPSG #26759)
GA83-E	NAD83 Georgia State Planes- Eastern Zone- Meter (EPSG #26966)
GA83-EF	NAD83 Georgia State Planes- Eastern Zone- US Foot (EPSG #2239)
GA83-W	NAD83 Georgia State Planes- Western Zone- Meter (EPSG #26967)
GA83-WF	NAD83 Georgia State Planes- Western Zone- US Foot (EPSG #2240)
GA-E	NAD27 Georgia State Planes- Eastern Zone- US Foot (EPSG #26766)
GAHP-E	HARN (HPGN) Georgia State Planes- Eastern Zone- Meter (EPSG #2780)
GAHP-EF	HARN (HPGN) Georgia State Planes- Eastern Zone- US Foot (EPSG #2884)
GAHP-W	HARN (HPGN) Georgia State Planes- Western Zone- Meter (EPSG #2781)
GAHP-WF	HARN (HPGN) Georgia State Planes- Western Zone- US Foot (EPSG #2885)
GA-W	NAD27 Georgia State Planes- Western Zone- US Foot (EPSG #26767)
HI-1	NAD27 Hawaii State Planes- Zone 1- US Foot
HI-2	NAD27 Hawaii State Planes- Zone 2- US Foot
HI-3	NAD27 Hawaii State Planes- Zone 3- US Foot
HI-4	NAD27 Hawaii State Planes- Zone 4- US Foot
HI-5	NAD27 Hawaii State Planes- Zone 5- US Foot
HI83-1	NAD83 Hawaii State Planes- Zone 1- Meter (EPSG #26961)
HI83-1F	NAD83 Hawaii State Planes- Zone 1- US Foot
HI83-2	NAD83 Hawaii State Planes- Zone 2- Meter (EPSG #26962)
HI83-2F	NAD83 Hawaii State Planes- Zone 2- US Foot
HI83-3	NAD83 Hawaii State Planes- Zone 3- Meter (EPSG #26963)
HI83-3F	NAD83 Hawaii State Planes- Zone 3- US Foot
HI83-4	NAD83 Hawaii State Planes- Zone 4- Meter (EPSG #26964)
HI83-4F	NAD83 Hawaii State Planes- Zone 4- US Foot
HI83-5	NAD83 Hawaii State Planes- Zone 5- Meter (EPSG #26965)
HI83-5F	NAD83 Hawaii State Planes- Zone 5- US Foot
HIHP-1	NAD83(HARN) / Hawaii zone 1 (EPSG #2782)
HIHP-2	NAD83(HARN) / Hawaii zone 2 (EPSG #2783)
HIHP-3	NAD83(HARN) / Hawaii zone 3 (EPSG #2784)
HIHP-4	NAD83(HARN) / Hawaii zone 4 (EPSG #2785)
HIHP-5	NAD83(HARN) / Hawaii zone 5 (EPSG #2786)
IA83-N	NAD83 Iowa State Planes- Northern Zone- Meter (EPSG #26975)
IA83-NF	NAD83 Iowa State Planes- Northern Zone- US Foot
IA83-S	NAD83 Iowa State Planes- Southern Zone- Meter (EPSG #26976)
IA83-SF	NAD83 Iowa State Planes- Southern Zone- US Foot
IAHP-N	HARN (HPGN) Iowa State Planes- Northern Zone- Meter (EPSG #2794)
IAHP-NF	HARN (HPGN) Iowa State Planes- Northern Zone- US Foot
IAHP-S	HARN (HPGN) Iowa State Planes- Southern Zone- Meter (EPSG #2795)
IAHP-SF	HARN (HPGN) Iowa State Planes- Southern Zone- US Foot
IA-N	NAD27 Iowa State Planes- Northern Zone- US Foot (EPSG #26775)
IA-S	NAD27 Iowa State Planes- Southern Zone- US Foot (EPSG #26776)
ID83-C	NAD83 Idaho State Planes- Central Zone- Meter (EPSG #26969)
ID83-CF	NAD83 Idaho State Planes- Central Zone- US Foot (EPSG #2242)
ID83-E	NAD83 Idaho State Planes- Eastern Zone- Meter (EPSG #26968)

ID83-EF	NAD83 Idaho State Planes- Eastern Zone- US Foot (EPSG #2241)
ID83-W	NAD83 Idaho State Planes- Western Zone- Meter (EPSG #26970)
ID83-WF	NAD83 Idaho State Planes- Western Zone- US Foot (EPSG #2243)
ID-C	NAD27 Idaho State Planes- Central Zone- US Foot (EPSG #26769)
ID-E	NAD27 Idaho State Planes- Eastern Zone- US Foot (EPSG #26768)
IDHP-C	HARN (HPGN) Idaho State Planes- Central Zone- Meter (EPSG #2788)
IDHP-CF	HARN (HPGN) Idaho State Planes- Central Zone- US Foot (EPSG #2887)
IDHP-E	HARN (HPGN) Idaho State Planes- Eastern Zone- Meter (EPSG #2787)
IDHP-EF	HARN (HPGN) Idaho State Planes- Eastern Zone- US Foot (EPSG #2886)
IDHP-W	HARN (HPGN) Idaho State Planes- Western Zone- Meter (EPSG #2789)
IDHP-WF	HARN (HPGN) Idaho State Planes- Western Zone- US Foot (EPSG #2888)
ID-W	NAD27 Idaho State Planes- Western Zone- US Foot (EPSG #26770)
IL83-E	NAD83 Illinois State Planes- Eastern Zone- Meter (EPSG #26971)
IL83-EF	NAD83 Illinois State Planes- Eastern Zone- US Foot
IL83-W	NAD83 Illinois State Planes- Western Zone- Meter (EPSG #26972)
IL83-WF	NAD83 Illinois State Planes- Western Zone- US Foot
IL-E	NAD27 Illinois State Planes- Eastern Zone- US Foot (EPSG #26771)
ILHP-E	HARN (HPGN) Illinois State Planes- Eastern Zone- Meter (EPSG #2790)
ILHP-EF	HARN (HPGN) Illinois State Planes- Eastern Zone- US Foot
ILHP-W	HARN (HPGN) Illinois State Planes- Western Zone- Meter (EPSG #2791)
ILHP-WF	HARN (HPGN) Illinois State Planes- Western Zone- US Foot
ILLIMAP	NAD27 Illinois Survey Mapping System- US Foot
IL-W	NAD27 Illinois State Planes- Western Zone- US Foot (EPSG #26772)
IN83-E	NAD83 Indiana State Planes- Eastern Zone- Meter (EPSG #26973)
IN83-EF	NAD83 Indiana State Planes- Eastern Zone- US Foot (EPSG #2244)
IN83-W	NAD83 Indiana State Planes- Western Zone- Meter (EPSG #26974)
IN83-WF	NAD83 Indiana State Planes- Western Zone- US Foot (EPSG #2245)
IN-E	NAD27 Indiana State Planes- Eastern Zone- US Foot (EPSG #26773)
INHP-E	HARN (HPGN) Indiana State Planes- Eastern Zone- Meter (EPSG #2792)
INHP-EF	HARN (HPGN) Indiana State Planes- Eastern Zone- US Foot (EPSG #2889)
INHP-W	HARN (HPGN) Indiana State Planes- Western Zone- Meter (EPSG #2793)
INHP-WF	HARN (HPGN) Indiana State Planes- Western Zone- US Foot (EPSG #2890)
IN-W	NAD27 Indiana State Planes- Western Zone- US Foot (EPSG #26774)
KS83-N	NAD83 Kansas State Planes- Northern Zone- Meter (EPSG #26977)
KS83-NF	NAD83 Kansas State Planes- Northern Zone- US Foot
KS83-S	NAD83 Kansas State Planes- Southern Zone- Meter (EPSG #26978)
KS83-SF	NAD83 Kansas State Planes- Southern Zone- US Foot
KSHP-N	HARN (HPGN) Kansas State Planes- Northern Zone- Meter (EPSG #2796)
KSHP-NF	HARN (HPGN) Kansas State Planes- Northern Zone- US Foot
KSHP-S	HARN (HPGN) Kansas State Planes- Southern Zone- Meter (EPSG #2797)
KSHP-SF	HARN (HPGN) Kansas State Planes- Southern Zone- US Foot
KS-N	NAD27 Kansas State Planes- Northern Zone- US Foot (EPSG #26777)
KS-S	NAD27 Kansas State Planes- Southern Zone- US Foot (EPSG #26778)
KY83-N	NAD83 Kentucky State Planes- Northern Zone- Meter (EPSG #26979)
KY83-NF	NAD83 Kentucky State Planes- Northern Zone- US Foot (EPSG #2246)
KY83-S	NAD83 Kentucky State Planes- Southern Zone- Meter (EPSG #26980)
KY83-SF	NAD83 Kentucky State Planes- Southern Zone- US Foot (EPSG #2247)
KYHP-N	HPGN Kentucky State Planes- Northern Zone- Meter (EPSG #2798)
KYHP-NF	HPGN Kentucky State Planes- Northern Zone- US Foot (EPSG #2891)
KYHP-S	HPGN Kentucky State Planes- Southern Zone- Meter (EPSG #2799)
KYHP-SF	HPGN Kentucky State Planes- Southern Zone- US Foot (EPSG #2892)
KY-N	NAD27 Kentucky State Planes- Northern Zone- US Foot (EPSG #26779)
KY-S	NAD27 Kentucky State Planes- Southern Zone- US Foot (EPSG #26780)
LA83-N	NAD83 Louisiana State Planes- Northern Zone- Meter (EPSG #26981)
LA83-NF	NAD83 Louisiana State Planes- Northern Zone- US Foot
LA83-O	NAD83 Louisiana State Planes- Offshore- Meter (EPSG #32199)
LA83-OF	NAD83 Louisiana State Planes- Offshore- US Foot
LA83-S	NAD83 Louisiana State Planes- Southern Zone- Meter (EPSG #26982)
LA83-SF	NAD83 Louisiana State Planes- Southern Zone- US Foot
LAHP-N	HPGN Louisiana State Planes- Northern Zone- Meter (EPSG #2800)
LAHP-NF	HPGN Louisiana State Planes- Northern Zone- US Foot
LAHP-O	HPGN Louisiana State Planes- Offshore- Meter
LAHP-OF	HPGN Louisiana State Planes- Offshore- US Foot
LAHP-S	HPGN Louisiana State Planes- Southern Zone- Meter (EPSG #2801)
LAHP-SF	HPGN Louisiana State Planes- Southern Zone- US Foot
LA-N	NAD27 Louisiana State Planes- Northern Zone- US Foot (EPSG #26781)
LA-O	NAD27 Louisiana State Planes- Offshore- US Foot (EPSG #32099)
LA-S	NAD27 Louisiana State Planes- Southern Zone- US Foot (EPSG #26782)

LL-83	NAD83 Latitude/Longitude- Degrees
LL84	WGS84 Lat/Long- Degrees- -180 through +180 (EPSG #4326)
MA	NAD27 Massachusetts State Planes- Mainland Zone- US Foot (EPSG #26786)
MA27-IS	NAD27 Massachusetts State Planes- Island Zone- US Foot (EPSG #26787)
MA83	NAD83 Massachusetts State Planes- Mainland Zone- Meter (EPSG #26986)
MA83F	NAD83 Massachusetts State Planes- Mainland Zone- US Foot (EPSG #2249)
MA83-IS	NAD83 Massachusetts State Planes- Island Zone- Meter (EPSG #26987)
MA83-ISF	NAD83 Massachusetts State Planes- Island Zone- US Foot (EPSG #2250)
MAHP	HPGN/HARN Massachusetts State Planes- Mainland Zone- Meter (EPSG #2805)
MAHPF	HPGN/HARN Massachusetts State Planes- Mainland Zone- US Foot (EPSG #2894)
MAHP-IS	HPGN/HARN Massachusetts State Planes- Island Zone- Meter (EPSG #2806)
MAHP-ISF	HPGN/HARN Massachusetts State Planes- Island Zone- US Foot (EPSG #2895)
MD	NAD27 Maryland State Plane Zone- US Foot (EPSG #26785)
MD83	NAD83 Maryland State Plane Zone- Meter (EPSG #26985)
MD83F	NAD83 Maryland State Plane Zone- US Foot (EPSG #2248)
MDHP	HPGN Maryland State Plane Zone- Meter (EPSG #2804)
MDHPF	HPGN Maryland State Plane Zone- US Foot (EPSG #2893)
ME83-E	NAD83 Maine State Planes- Eastern Zone- Meter (EPSG #26983)
ME83-EF	NAD83 Maine State Planes- Eastern Zone- US Foot
ME83-W	NAD83 Maine State Planes- Western Zone- Meter (EPSG #26984)
ME83-WF	NAD83 Maine State Planes- Western Zone- US Foot
ME-E	NAD27 Maine State Planes- Eastern Zone- US Foot (EPSG #26783)
MEHP-E	HPGN Maine State Planes- Eastern Zone- Meter (EPSG #2802)
MEHP-EF	HPGN Maine State Planes- Eastern Zone- US Foot
MEHP-W	HPGN Maine State Planes- Western Zone- Meter (EPSG #2803)
MEHP-WF	HPGN Maine State Planes- Western Zone- US Foot
ME-W	NAD27 Maine State Planes- Western Zone- US Foot (EPSG #26784)
MI27-C	NAD27 Michigan State Planes- Central Zone- US Foot (EPSG #26812)
MI27-N	NAD27 Michigan State Planes- Northern Zone- US Foot (EPSG #26811)
MI27-S	NAD27 Michigan State Planes- Southern Zone- US Foot (EPSG #26813)
MI83-C	NAD83 Michigan State Planes- Central Zone- Meter (EPSG #26989)
MI83-CF	NAD83 Michigan State Planes- Central Zone- US Foot
MI83-CIF	NAD83 Michigan State Planes- Central Zone- Intnl Foot (EPSG #2252)
MI83-N	NAD83 Michigan State Planes- Northern Zone- Meter (EPSG #26988)
MI83-NF	NAD83 Michigan State Planes- Northern Zone- US Foot
MI83-NIF	NAD83 Michigan State Planes- Northern Zone- Intnl Foot (EPSG #2251)
MI83-S	NAD83 Michigan State Planes- Southern Zone- Meter (EPSG #26990)
MI83-SF	NAD83 Michigan State Planes- Southern Zone- US Foot
MI83-SIF	NAD83 Michigan State Planes- Southern Zone- Intnl Foot (EPSG #2253)
MIHP-C	HARN (HPGN) Michigan State Planes- Central Zone- Meter (EPSG #2808)
MIHP-CF	HARN (HPGN) Michigan State Planes- Central Zone- US Foot
MIHP-CIF	HARN (HPGN) Michigan State Planes- Central Zone- Intnl Foot (EPSG #2897)
MIHP-N	HARN (HPGN) Michigan State Planes- Northern Zone- Meter (EPSG #2807)
MIHP-NF	HARN (HPGN) Michigan State Planes- Northern Zone- US Foot
MIHP-NIF	HARN (HPGN) Michigan State Planes- Northern Zone- Intnl Foot (EPSG #2896)
MIHP-S	HARN (HPGN) Michigan State Planes- Southern Zone- Meter (EPSG #2809)
MIHP-SF	HARN (HPGN) Michigan State Planes- Southern Zone- US Foot
MIHP-SIF	HARN (HPGN) Michigan State Planes- Southern Zone- Intnl Foot (EPSG #2898)
MN83-C	NAD83 Minnesota State Planes- Central Zone- Meter (EPSG #26992)
MN83-CF	NAD83 Minnesota State Planes- Central Zone- US Foot
MN83-N	NAD83 Minnesota State Planes- Northern Zone- Meter (EPSG #26991)
MN83-NF	NAD83 Minnesota State Planes- Northern Zone- US Foot
MN83-S	NAD83 Minnesota State Planes- South Zone- Meter (EPSG #26993)
MN83-SF	NAD83 Minnesota State Planes- South Zone- US Foot
MN-C	NAD27 Minnesota State Planes- Central Zone- US Foot (EPSG #26792)
MNHP-C	HARN (HPGN) Minnesota State Planes- Central Zone- Meter (EPSG #2811)
MNHP-CF	HARN (HPGN) Minnesota State Planes- Central Zone- US Foot
MNHP-N	HARN (HPGN) Minnesota State Planes- Northern Zone- Meter (EPSG #2810)
MNHP-NF	HARN (HPGN) Minnesota State Planes- Northern Zone- US Foot
MNHP-S	HARN (HPGN) Minnesota State Planes- South Zone- Meter (EPSG #2812)
MNHP-SF	HARN (HPGN) Minnesota State Planes- South Zone- US Foot
MN-N	NAD27 Minnesota State Planes- Northern Zone- US Foot (EPSG #26791)
MN-S	NAD27 Minnesota State Planes- South- US Foot (EPSG #26793)
MO83-C	NAD83 Missouri State Planes- Central Zone- Meter (EPSG #26997)
MO83-CF	NAD83 Missouri State Planes- Central Zone- US Foot
MO83-E	NAD83 Missouri State Planes- Eastern Zone- Meter (EPSG #26996)
MO83-EF	NAD83 Missouri State Planes- Eastern Zone- US Foot
MO83-W	NAD83 Missouri State Planes- Western Zone- Meter (EPSG #26998)

MO83-WF	NAD83 Missouri State Planes- Western Zone- US Foot
MO-C	NAD27 Missouri State Planes- Central Zone- US Foot (EPSG #26797)
MO-E	NAD27 Missouri State Planes- Eastern Zone- US Foot (EPSG #26796)
MOHP-C	HARN (HPGN) Missouri State Planes- Central Zone- Meter (EPSG #2816)
MOHP-CF	HARN (HPGN) Missouri State Planes- Central Zone- US Foot
MOHP-E	HARN (HPGN) Missouri State Planes- Eastern Zone- Meter (EPSG #2815)
MOHP-EF	HARN (HPGN) Missouri State Planes- Eastern Zone- US Foot
MOHP-W	HARN (HPGN) Missouri State Planes- Western Zone- Meter (EPSG #2817)
MOHP-WF	HARN (HPGN) Missouri State Planes- Western Zone- US Foot
MO-W	NAD27 Missouri State Planes- Western Zone- US Foot (EPSG #26798)
MS83-E	NAD83 Mississippi State Planes- Eastern Zone- Meter (EPSG #26994)
MS83-EF	NAD83 Mississippi State Planes- Eastern Zone- US Foot (EPSG #2254)
MS83-TM	NAD83 Mississippi Transverse Mercator Projection (meters)
MS83-W	NAD83 Mississippi State Planes- Western Zone- Meter (EPSG #26995)
MS83-WF	NAD83 Mississippi State Planes- Western Zone- US Foot (EPSG #2255)
MS-E	NAD27 Mississippi State Planes- Eastern Zone- US Foot (EPSG #26794)
MSHP-E	HPGN Mississippi State Planes- Eastern Zone- Meter (EPSG #2813)
MSHP-EF	HPGN Mississippi State Planes- Eastern Zone- US Foot (EPSG #2899)
MSHP-W	HPGN Mississippi State Planes- Western Zone- Meter (EPSG #2814)
MSHP-WF	HPGN Mississippi State Planes- Western Zone- US Foot (EPSG #2900)
MS-W	NAD27 Mississippi State Planes- Western Zone- US Foot (EPSG #26795)
MT83	NAD83 Montana State Plane Zone- Meter (EPSG #32100)
MT83F	NAD83 Montana State Plane Zone- US Foot
MT83IF	NAD83 Montana State Planes- Intnl Foot (EPSG #2256)
MT-C	NAD27 Montana State Planes- Central Zone- US Foot (EPSG #32002)
MTHP	HPGN Montana State Plane Zone- Meter (EPSG #2818)
MTHPF	HPGN Montana State Plane Zone- US Foot
MTHPIF	HPGN Montana State Planes- Intnl Foot (EPSG #2901)
MT-N	NAD27 Montana State Planes- Northern Zone- US Foot (EPSG #32001)
MT-S	NAD27 Montana State Planes- Southern Zone- US Foot (EPSG #32003)
NB83	NAD83 Nebraska State Planes- Meter (EPSG #32104)
NB83F	NAD83 Nebraska State Planes- US Foot
NBHP	HPGN/HARN Nebraska State Planes- Meter (EPSG #2819)
NBHPF	HPGN/HARN Nebraska State Planes- US Foot
NB-N	NAD27 Nebraska State Planes- Northern Zone- US Foot (EPSG #32005)
NB-S	NAD27 Nebraska State Planes- Southern Zone- US Foot (EPSG #32006)
NC	NAD27 North Carolina State Planes- US Foot (EPSG #32019)
NC83	NAD83 North Carolina State Planes- Meter (EPSG #32119)
NC83F	NAD83 North Carolina State Planes- US Foot (EPSG #2264)
NCHP	HARN (HPGN) North Carolina State Planes- Meter
NCHPF	HARN (HPGN) North Carolina State Planes- US Foot
ND83-N	NAD83 North Dakota State Planes- Northern Zone- Meter (EPSG #32120)
ND83-NF	NAD83 North Dakota State Planes- Northern Zone- US Foot
ND83-S	NAD83 North Dakota State Planes- Southern Zone- Meter (EPSG #32121)
ND83-SF	NAD83 North Dakota State Planes- Southern Zone- US Foot
NDHP-N	HARN (HPGN) North Dakota State Planes- Northern Zone- Meter (EPSG #2832)
NDHP-NF	HARN (HPGN) North Dakota State Planes- Northern Zone- US Foot
NDHP-S	HARN (HPGN) North Dakota State Planes- Southern Zone- Meter (EPSG #2833)
NDHP-SF	HARN (HPGN) North Dakota State Planes- Southern Zone- US Foot
ND-N	NAD27 North Dakota State Planes- Northern Zone- US Foot (EPSG #32020)
ND-S	NAD27 North Dakota State Planes- Southern Zone- US Foot (EPSG #32021)
NE83	NAD83 Nebraska State Planes- Meter
NE83F	NAD83 Nebraska State Planes- US Foot
NE-N	NAD27 Nebraska State Planes- Northern Zone- US Foot
NE-S	NAD27 Nebraska State Planes- Southern Zone- US Foot
NH	NAD27 New Hampshire State Planes- US Foot (EPSG #32010)
NH83	NAD83 New Hampshire State Planes- Meter (EPSG #32110)
NH83F	NAD83 New Hampshire State Planes- US Foot
NHHP	HPGN/HARN New Hampshire State Planes- Meter (EPSG #2823)
NHHPF	HPGN/HARN New Hampshire State Planes- US Foot
NJ	NAD27 New Jersey State Planes- US Foot (EPSG #32011)
NJ83	NAD83 New Jersey State Planes- Meter (EPSG #32111)
NJ83F	NAD83 New Jersey State Planes- US Foot
NJHP	HARN (HPGN) New Jersey State Planes- Meter (EPSG #2824)
NJHPF	HARN (HPGN) New Jersey State Planes- US Foot
NM83-C	NAD83 New Mexico State Planes- Central Zone- Meter (EPSG #32113)
NM83-CF	NAD83 New Mexico State Planes- Central Zone- US Foot (EPSG #2258)
NM83-E	NAD83 New Mexico State Planes- Eastern Zone- Meter (EPSG #32112)

NM83-EF	NAD83 New Mexico State Planes- Eastern Zone- US Foot (EPSG #2257)
NM83-W	NAD83 New Mexico State Planes- Western Zone- Meter (EPSG #32114)
NM83-WF	NAD83 New Mexico State Planes- Western Zone- US Foot (EPSG #2259)
NM-C	NAD27 New Mexico State Planes- Central Zone- US Foot (EPSG #32013)
NM-E	NAD27 New Mexico State Planes- Eastern Zone- US Foot (EPSG #32012)
NMHP-C	HPGN New Mexico State Planes- Central Zone- Meter (EPSG #2826)
NMHP-CF	HPGN New Mexico State Planes- Central Zone- US Foot (EPSG #2903)
NMHP-E	HPGN New Mexico State Planes- Eastern Zone- Meter (EPSG #2825)
NMHP-EF	HPGN New Mexico State Planes- Eastern Zone- US Foot (EPSG #2902)
NMHP-W	HPGN New Mexico State Planes- Western Zone- Meter (EPSG #2827)
NMHP-WF	HPGN New Mexico State Planes- Western Zone- US Foot (EPSG #2904)
NM-W	NAD27 New Mexico State Planes- Western Zone- US Foot (EPSG #32014)
NV83-C	NAD83 Nevada State Planes- Central Zone- Meter (EPSG #32108)
NV83-CF	NAD83 Nevada State Planes- Central Zone- US Foot
NV83-E	NAD83 Nevada State Planes- Eastern Zone- Meter (EPSG #32107)
NV83-EF	NAD83 Nevada State Planes- Eastern Zone- US Foot
NV83-W	NAD83 Nevada State Planes- Western Zone- Meter (EPSG #32109)
NV83-WF	NAD83 Nevada State Planes- Western Zone- US Foot
NV-C	NAD27 Nevada State Planes- Central Zone- US Foot (EPSG #32008)
NV-E	NAD27 Nevada State Planes- Eastern Zone- US Foot (EPSG #32007)
NVHP-C	HARN (HPGN) Nevada State Planes- Central Zone- Meter (EPSG #2821)
NVHP-CF	HARN (HPGN) Nevada State Planes- Central Zone- US Foot
NVHP-E	HARN (HPGN) Nevada State Planes- Eastern Zone- Meter (EPSG #2820)
NVHP-EF	HARN (HPGN) Nevada State Planes- Eastern Zone- US Foot
NVHP-W	HARN (HPGN) Nevada State Planes- Western Zone- Meter (EPSG #2822)
NVHP-WF	HARN (HPGN) Nevada State Planes- Western Zone- US Foot
NV-W	NAD27 Nevada State Planes- Western Zone- US Foot (EPSG #32009)
NY83-C	NAD83 New York State Planes- Central Zone- Meter (EPSG #32116)
NY83-CF	NAD83 New York State Planes- Central Zone- US Foot (EPSG #2261)
NY83-E	NAD83 New York State Planes- Eastern Zone- Meter (EPSG #32115)
NY83-EF	NAD83 New York State Planes- Eastern Zone- US Foot (EPSG #2260)
NY83-LI	NAD83 New York State Planes- Long Island- Meter (EPSG #32118)
NY83-LIF	NAD83 New York State Planes- Long Island- US Foot (EPSG #2263)
NY83-W	NAD83 New York State Planes- Western Zone- Meter (EPSG #32117)
NY83-WF	NAD83 New York State Planes- Western Zone- US Foot (EPSG #2262)
NY-C	NAD27 New York State Planes- Central Zone- US Foot (EPSG #32016)
NY-E	NAD27 New York State Planes- Eastern Zone- US Foot (EPSG #32015)
NYHP-C	HARN (HPGN) New York State Planes- Central Zone- Meter (EPSG #2829)
NYHP-CF	HARN (HPGN) New York State Planes- Central Zone- US Foot (EPSG #2906)
NYHP-E	HARN (HPGN) New York State Planes- Eastern Zone- Meter (EPSG #2828)
NYHP-EF	HARN (HPGN) New York State Planes- Eastern Zone- US Foot (EPSG #2905)
NYHP-LI	HARN (HPGN) New York State Planes- Long Island- Meter (EPSG #2831)
NYHP-LIF	HARN (HPGN) New York State Planes- Long Island- US Foot (EPSG #2908)
NYHP-W	HARN (HPGN) New York State Planes- Western Zone- Meter (EPSG #2830)
NYHP-WF	HARN (HPGN) New York State Planes- Western Zone- US Foot (EPSG #2907)
NY-LI	NAD27 New York State Planes- Long Island- US Foot (EPSG #32018)
NY-W	NAD27 New York State Planes- Western Zone- US Foot (EPSG #32017)
OH83-N	NAD83 Ohio State Planes- Northern Zone- Meter (EPSG #32122)
OH83-NF	NAD83 Ohio State Planes- Northern Zone- US Foot
OH83-S	NAD83 Ohio State Planes- Southern Zone- Meter (EPSG #32123)
OH83-SF	NAD83 Ohio State Planes- Southern Zone- US Foot
OHHP-N	HARN (HPGN) Ohio State Planes- Northern Zone- Meter (EPSG #2834)
OHHP-NF	HARN (HPGN) Ohio State Planes- Northern Zone- US Foot
OHHP-S	HARN (HPGN) Ohio State Planes- Southern Zone- Meter (EPSG #2835)
OHHP-SF	HARN (HPGN) Ohio State Planes- Southern Zone- US Foot
OH-N	NAD27 Ohio State Planes- Northern Zone- US Foot (EPSG #32022)
OH-S	NAD27 Ohio State Planes- Southern Zone- US Foot (EPSG #32023)
OK83-N	NAD83 Oklahoma State Planes- Northern Zone- Meter (EPSG #32124)
OK83-NF	NAD83 Oklahoma State Planes- Northern Zone- US Foot (EPSG #2267)
OK83-S	NAD83 Oklahoma State Planes- Southern Zone- Meter (EPSG #32125)
OK83-SF	NAD83 Oklahoma State Planes- Southern Zone- US Foot (EPSG #2268)
OKHP-N	HPGN Oklahoma State Planes- Northern Zone- Meter (EPSG #2836)
OKHP-NF	HPGN Oklahoma State Planes- Northern Zone- US Foot (EPSG #2911)
OKHP-S	HPGN Oklahoma State Planes- Southern Zone- Meter (EPSG #2837)
OKHP-SF	HPGN Oklahoma State Planes- Southern Zone- US Foot (EPSG #2912)
OK-N	NAD27 Oklahoma State Planes- Northern Zone- US Foot (EPSG #32024)
OK-S	NAD27 Oklahoma State Planes- Southern Zone- US Foot (EPSG #32025)
OR83-N	NAD83 Oregon State Planes- Northern Zone- Meter (EPSG #32126)

OR83-NF	NAD83 Oregon State Planes- Northern Zone- US Foot
OR83-NIF	NAD83 Oregon State Planes- Northern Zone- Intnl Foot (EPSG #2269)
OR83-S	NAD83 Oregon State Planes- Southern Zone- Meter (EPSG #32127)
OR83-SF	NAD83 Oregon State Planes- Southern Zone- US Foot
OR83-SIF	NAD83 Oregon State Planes- Southern Zone- Intnl Foot (EPSG #2270)
OR83-SSCGIS	NAD83 Oregon GIS- International Foot (EPSG #2992)
ORHP-N	HPGN Oregon State Planes- Northern Zone- Meter (EPSG #2838)
ORHP-NF	HPGN Oregon State Planes- Northern Zone- US Foot
ORHP-NIF	HPGN Oregon State Planes- Northern Zone- Intnl Foot (EPSG #2913)
ORHP-S	HPGN Oregon State Planes- Southern Zone- Meter (EPSG #2839)
ORHP-SF	HPGN Oregon State Planes- Southern Zone- US Foot
ORHP-SIF	HPGN Oregon State Planes- Southern Zone- Intnl Foot (EPSG #2914)
OR-N	NAD27 Oregon State Planes- Northern Zone- US Foot (EPSG #32026)
OR-S	NAD27 Oregon State Planes- Southern Zone- US Foot (EPSG #32027)
PA83-N	NAD83 Pennsylvania State Planes- Northern Zone- Meter (EPSG #32128)
PA83-NF	NAD83 Pennsylvania State Planes- Northern Zone- US Foot (EPSG #2271)
PA83-S	NAD83 Pennsylvania State Planes- Southern Zone- Meter (EPSG #32129)
PA83-SF	NAD83 Pennsylvania State Planes- Southern Zone- US Foot (EPSG #2272)
PAHP-N	HARN (HPGN) Pennsylvania State Planes- Northern Zone- Meter
PAHP-NF	HARN (HPGN) Pennsylvania State Planes- Northern Zone- US Foot
PAHP-S	HARN (HPGN) Pennsylvania State Planes- Southern Zone- Meter
PAHP-SF	HARN (HPGN) Pennsylvania State Planes- Southern Zone- US Foot
PA-N	NAD27 Pennsylvania State Planes- Northern Zone- US Foot (EPSG #32028)
PA-S	NAD27 Pennsylvania State Planes- Southern Zone- US Foot (EPSG #32029)
PR-1	NAD27 Puerto Rico and Virgin Islands- Zone 1- US Foot
PR-2	NAD27 Puerto Rico- St Croix Virgin Island- Zone 2- US Foot
PR83	NAD83 Puerto Rico and Virgin Islands- Meter (EPSG #32161)
PR83F	NAD83 Puerto Rico and Virgin Islands- US Foot
PRHP	HPGN Puerto Rico and Virgin Islands- Meter (EPSG #2866)
PRHPF	HPGN Puerto Rico and Virgin Islands- US Foot
RI	NAD27 Rhode Island State Planes- US Foot (EPSG #32030)
RI83	NAD83 Rhode Island State Planes- Meter (EPSG #32130)
RI83F	NAD83 Rhode Island State Planes- US Foot
RIHP	HPGN/HARN Rhode Island State Planes- Meter (EPSG #2840)
RIHPF	HPGN/HARN Rhode Island State Planes- US Foot
SC83	NAD83 South Carolina State Planes- Meter (EPSG #32133)
SC83F	NAD83 South Carolina State Planes- US Foot
SC83IF	NAD83 South Carolina State Planes- Intnl Foot (EPSG #2273)
SCHP	HARN (HPGN) South Carolina State Planes- Meter
SCHPF	HARN (HPGN) South Carolina State Planes- US Foot
SCHPIF	HARN (HPGN) South Carolina State Planes- Intnl Foot
SC-N	NAD27 South Carolina State Planes- Northern Zone- US Foot (EPSG #32031)
SC-S	NAD27 South Carolina State Planes- Southern Zone- US Foot (EPSG #32033)
SD83-N	NAD83 South Dakota State Planes- Northern Zone- Meter (EPSG #32134)
SD83-NF	NAD83 South Dakota State Planes- Northern Zone- US Foot
SD83-S	NAD83 South Dakota State Planes- Southern Zone- Meter (EPSG #32135)
SD83-SF	NAD83 South Dakota State Planes- Southern Zone- US Foot
SDHP-N	HARN (HPGN) South Dakota State Planes- Northern Zone- Meter (EPSG #2841)
SDHP-NF	HARN (HPGN) South Dakota State Planes- Northern Zone- US Foot
SDHP-S	HARN (HPGN) South Dakota State Planes- Southern Zone- Meter (EPSG #2842)
SDHP-SF	HARN (HPGN) South Dakota State Planes- Southern Zone- US Foot
SD-N	NAD27 South Dakota State Planes- Northern Zone- US Foot (EPSG #32034)
SD-S	NAD27 South Dakota State Planes- Southern Zone- US Foot (EPSG #32035)
TN	NAD27 Tennessee State Plane Zone- US Foot (EPSG #2204)
TN83	NAD83 Tennessee State Plane Zone- Meter (EPSG #32136)
TN83F	NAD83 Tennessee State Plane Zone- US Foot (EPSG #2274)
TNHP	HPGN Tennessee State Plane Zone- Meter (EPSG #2843)
TNHPF	HPGN Tennessee State Plane Zone- US Foot (EPSG #2915)
TX83-C	NAD83 Texas State Planes- Central Zone- Meter (EPSG #32139)
TX83-CF	NAD83 Texas State Planes- Central Zone- US Foot (EPSG #2277)
TX83-N	NAD83 Texas State Planes- Northern Zone- Meter (EPSG #32137)
TX83-NC	NAD83 Texas State Planes- North Central Zone- Meter (EPSG #32138)
TX83-NCF	NAD83 Texas State Planes- North Central Zone- US Foot (EPSG #2276)
TX83-NF	NAD83 Texas State Planes- Northern Zone- US Foot (EPSG #2275)
TX83-S	NAD83 Texas State Planes- Southern Zone- Meter (EPSG #32141)
TX83-SC	NAD83 Texas State Planes- South Central Zone- Meter (EPSG #32140)
TX83-SCF	NAD83 Texas State Planes- South Central Zone- US Foot (EPSG #2278)
TX83-SF	NAD83 Texas State Planes- Southern Zone- US Foot (EPSG #2279)

TX-C	NAD27 Texas State Planes- Central Zone- US Foot (EPSG #32039)
TXHP-C	HPGN/HARN Texas State Planes- Central Zone- Meter (EPSG #2846)
TXHP-CF	HPGN/HARN Texas State Planes- Central Zone- US Foot (EPSG #2918)
TXHP-N	HPGN/HARN Texas State Planes- Northern Zone- Meter (EPSG #2844)
TXHP-NC	HPGN/HARN Texas State Planes- North Central Zone- Meter (EPSG #2845)
TXHP-NCF	HPGN/HARN Texas State Planes- North Central Zone- US Foot (EPSG #2917)
TXHP-NF	HPGN/HARN Texas State Planes- Northern Zone- US Foot (EPSG #2916)
TXHP-S	HPGN/HARN Texas State Planes- Southern Zone- Meter (EPSG #2848)
TXHP-SC	HPGN/HARN Texas State Planes- South Central Zone- Meter (EPSG #2847)
TXHP-SCF	HPGN/HARN Texas State Planes- South Central Zone- US Foot (EPSG #2919)
TXHP-SF	HPGN/HARN Texas State Planes- Southern Zone- US Foot (EPSG #2920)
TX-N	NAD27 Texas State Planes- Northern Zone- US Foot (EPSG #32037)
TX-NC	NAD27 Texas State Planes- North Central Zone- US Foot (EPSG #32038)
TX-S	NAD27 Texas State Planes- Southern Zone- US Foot (EPSG #32041)
TX-SC	NAD27 Texas State Planes- South Central Zone- US Foot (EPSG #32040)
UT83-C	NAD83 Utah State Planes- Central Zone- Meter (EPSG #32143)
UT83-CF	NAD83 Utah State Planes- Central Zone- US Foot
UT83-CIF	NAD83 Utah State Planes- Central Zone- Intnl Foot (EPSG #2281)
UT83-N	NAD83 Utah State Planes- Northern Zone- Meter (EPSG #32142)
UT83-NF	NAD83 Utah State Planes- Northern Zone- US Foot
UT83-NIF	NAD83 Utah State Planes- Northern Zone- Intnl Foot (EPSG #2280)
UT83-S	NAD83 Utah State Planes- Southern Zone- Meter (EPSG #32144)
UT83-SF	NAD83 Utah State Planes- Southern Zone- US Foot
UT83-SIF	NAD83 Utah State Planes- Southern Zone- Intnl Foot (EPSG #2282)
UT-C	NAD27 Utah State Planes- Central Zone- US Foot (EPSG #32043)
UTHP-C	HARN (HPGN) Utah State Planes- Central Zone- Meter (EPSG #2850)
UTHP-CF	HARN (HPGN) Utah State Planes- Central Zone- US Foot
UTHP-CIF	HARN (HPGN) Utah State Planes- Central Zone- Intnl Foot (EPSG #2922)
UTHP-N	HARN (HPGN) Utah State Planes- Northern Zone- Meter (EPSG #2849)
UTHP-NF	HARN (HPGN) Utah State Planes- Northern Zone- US Foot
UTHP-NIF	HARN (HPGN) Utah State Planes- Northern Zone- Intnl Foot (EPSG #2921)
UTHP-S	HARN (HPGN) Utah State Planes- Southern Zone- Meter (EPSG #2851)
UTHP-SF	HARN (HPGN) Utah State Planes- Southern Zone- US Foot
UTHP-SIF	HARN (HPGN) Utah State Planes- Southern Zone- Intnl Foot (EPSG #2923)
UTM27-1	NAD27 UTM- Zone 1 North- Meter
UTM27-10	NAD27 UTM- Zone 10 North- Meter (EPSG #26710)
UTM27-10F	NAD27 UTM- Zone 10 North- US Foot
UTM27-10IF	NAD27 UTM- Zone 10 North- Intnl Foot
UTM27-11	NAD27 UTM- Zone 11 North- Meter (EPSG #26711)
UTM27-11F	NAD27 UTM- Zone 11 North- US Foot
UTM27-11IF	NAD27 UTM- Zone 11 North- Intnl Foot
UTM27-12	NAD27 UTM- Zone 12 North- Meter (EPSG #26712)
UTM27-12F	NAD27 UTM- Zone 12 North- US Foot
UTM27-12IF	NAD27 UTM- Zone 12 North- Intnl Foot
UTM27-13	NAD27 UTM- Zone 13 North- Meter (EPSG #26713)
UTM27-13F	NAD27 UTM- Zone 13 North- US Foot
UTM27-13IF	NAD27 UTM- Zone 13 North- Intnl Foot
UTM27-14	NAD27 UTM- Zone 14 North- Meter (EPSG #26714)
UTM27-14F	NAD27 UTM- Zone 14 North- US Foot
UTM27-14IF	NAD27 UTM- Zone 14 North- Intnl Foot
UTM27-15	NAD27 UTM- Zone 15 North- Meter (EPSG #26715)
UTM27-15F	NAD27 UTM- Zone 15 North- US Foot
UTM27-15IF	NAD27 UTM- Zone 15 North- Intnl Foot
UTM27-16	NAD27 UTM- Zone 16 North- Meter (EPSG #26716)
UTM27-16F	NAD27 UTM- Zone 16 North- US Foot
UTM27-16IF	NAD27 UTM- Zone 16 North- Intnl Foot
UTM27-17	NAD27 UTM- Zone 17 North- Meter (EPSG #26717)
UTM27-17F	NAD27 UTM- Zone 17 North- US Foot
UTM27-17IF	NAD27 UTM- Zone 17 North- Intnl Foot
UTM27-18	NAD27 UTM- Zone 18 North- Meter (EPSG #26718)
UTM27-18F	NAD27 UTM- Zone 18 North- US Foot
UTM27-18IF	NAD27 UTM- Zone 18 North- Intnl Foot
UTM27-19	NAD27 UTM- Zone 19 North- Meter (EPSG #26719)
UTM27-19F	NAD27 UTM- Zone 19 North- US Foot
UTM27-19IF	NAD27 UTM- Zone 19 North- Intnl Foot
UTM27-1N	NAD27 / UTM zone 1N (EPSG #26701)
UTM27-2	NAD27 UTM- Zone 2 North- Meter
UTM27-20	NAD27 UTM- Zone 20 North- Meter (EPSG #26720)

UTM27-20F	NAD27 UTM- Zone 20 North- US Foot
UTM27-20IF	NAD27 UTM- Zone 20 North- Intnl Foot
UTM27-21	NAD27 UTM- Zone 21 North- Meter (EPSG #26721)
UTM27-21F	NAD27 UTM- Zone 21 North- US Foot
UTM27-21IF	NAD27 UTM- Zone 21 North- Intnl Foot
UTM27-22	NAD27 UTM- Zone 22 North- Meter (EPSG #26722)
UTM27-22F	NAD27 UTM- Zone 22 North- US Foot
UTM27-22IF	NAD27 UTM- Zone 22 North- Intnl Foot
UTM27-23	NAD27 UTM- Zone 23 North- Meter
UTM27-23F	NAD27 UTM- Zone 23 North- US Foot
UTM27-23IF	NAD27 UTM- Zone 23 North- Intnl Foot
UTM27-2N	NAD27 / UTM zone 2N (EPSG #26702)
UTM27-3	NAD27 UTM- Zone 3 North- Meter (EPSG #26703)
UTM27-3F	NAD27 UTM- Zone 3 North- US Survey Foot
UTM27-3IF	NAD27 UTM- Zone 3 North- Intnl Foot
UTM27-4	NAD27 UTM- Zone 4 North- Meter (EPSG #26704)
UTM27-4F	NAD27 UTM- Zone 4 North- US Survey Foot
UTM27-4IF	NAD27 UTM- Zone 4 North- Intnl Foot
UTM27-5	NAD27 UTM- Zone 5 North- Meter (EPSG #26705)
UTM27-58	NAD27 UTM- Zone 58 North- Meter
UTM27-59	NAD27 UTM- Zone 59 North- Meter
UTM27-5F	NAD27 UTM- Zone 5 North- US Foot
UTM27-5IF	NAD27 UTM- Zone 5 North- Intnl Foot
UTM27-6	NAD27 UTM- Zone 6 North- Meter (EPSG #26706)
UTM27-60	NAD27 UTM- Zone 60 North- Meter
UTM27-6F	NAD27 UTM- Zone 6 North- US Foot
UTM27-6IF	NAD27 UTM- Zone 6 North- Intnl Foot
UTM27-7	NAD27 UTM- Zone 7 North- Meter (EPSG #26707)
UTM27-7F	NAD27 UTM- Zone 7 North- US Foot
UTM27-7IF	NAD27 UTM- Zone 7 North- Intnl Foot
UTM27-8	NAD27 UTM- Zone 8 North- Meter (EPSG #26708)
UTM27-8F	NAD27 UTM- Zone 8 North- US Foot
UTM27-8IF	NAD27 UTM- Zone 8 North- Intnl Foot
UTM27-9	NAD27 UTM- Zone 9 North- Meter (EPSG #26709)
UTM27-9F	NAD27 UTM- Zone 9 North- US Foot
UTM27-9IF	NAD27 UTM- Zone 9 North- Intnl Foot
UTM83-1	NAD83 UTM- Zone 1 North- Meter (EPSG #26901)
UTM83-10	NAD83 UTM- Zone 10 North- Meter (EPSG #26910)
UTM83-10F	NAD83 UTM- Zone 10 North- US Foot
UTM83-10IF	NAD83 UTM- Zone 10 North- Intnl Foot
UTM83-11	NAD83 UTM- Zone 11 North- Meter (EPSG #26911)
UTM83-11F	NAD83 UTM- Zone 11 North- US Foot
UTM83-11IF	NAD83 UTM- Zone 11 North- Intnl Foot
UTM83-12	NAD83 UTM- Zone 12 North- Meter (EPSG #26912)
UTM83-12F	NAD83 UTM- Zone 12 North- US Foot
UTM83-12IF	NAD83 UTM- Zone 12 North- Intnl Foot
UTM83-13	NAD83 UTM- Zone 13 North- Meter (EPSG #26913)
UTM83-13F	NAD83 UTM- Zone 13 North- US Foot
UTM83-13IF	NAD83 UTM- Zone 13 North- Intnl Foot
UTM83-14	NAD83 UTM- Zone 14 North- Meter (EPSG #26914)
UTM83-14F	NAD83 UTM- Zone 14 North- US Foot
UTM83-14IF	NAD83 UTM- Zone 14 North- Intnl Foot
UTM83-15	NAD83 UTM- Zone 15 North- Meter (EPSG #26915)
UTM83-15F	NAD83 UTM- Zone 15 North- US Foot
UTM83-15IF	NAD83 UTM- Zone 15 North- Intnl Foot
UTM83-16	NAD83 UTM- Zone 16 North- Meter (EPSG #26916)
UTM83-16F	NAD83 UTM- Zone 16 North- US Foot
UTM83-16IF	NAD83 UTM- Zone 16 North- Intnl Foot
UTM83-17	NAD83 UTM- Zone 17 North- Meter (EPSG #26917)
UTM83-17F	NAD83 UTM- Zone 17 North- US Foot
UTM83-17IF	NAD83 UTM- Zone 17 North- Intnl Foot
UTM83-18	NAD83 UTM- Zone 18 North- Meter (EPSG #26918)
UTM83-18F	NAD83 UTM- Zone 18 North- US Foot
UTM83-18IF	NAD83 UTM- Zone 18 North- Intnl Foot
UTM83-19	NAD83 UTM- Zone 19 North- Meter (EPSG #26919)
UTM83-19F	NAD83 UTM- Zone 19 North- US Foot
UTM83-19IF	NAD83 UTM- Zone 19 North- Intnl Foot
UTM83-2	NAD83 UTM- Zone 2 North- Meter (EPSG #26902)

UTM83-20	NAD83 UTM- Zone 20 North- Meter (EPSG #26920)
UTM83-20F	NAD83 UTM- Zone 20 North- US Foot
UTM83-20IF	NAD83 UTM- Zone 20 North- Intnl Foot
UTM83-21	NAD83 UTM- Zone 21 North- Meter (EPSG #26921)
UTM83-21F	NAD83 UTM- Zone 21 North- US Foot
UTM83-21IF	NAD83 UTM- Zone 21 North- Intnl Foot
UTM83-22	NAD83 UTM- Zone 22 North- Meter (EPSG #26922)
UTM83-22F	NAD83 UTM- Zone 22 North- US Foot
UTM83-22IF	NAD83 UTM- Zone 22 North- Intnl Foot
UTM83-23	NAD83 Universal Transverse Mercator- Zone 23 North- Meter
UTM83-3	NAD83 UTM- Zone 3 North- Meter (EPSG #26903)
UTM83-3F	NAD83 UTM- Zone 3 North- US Survey Foot
UTM83-4	NAD83 UTM- Zone 4 North- Meter (EPSG #26904)
UTM83-4F	NAD83 UTM- Zone 4 North- US Survey Foot
UTM83-5	NAD83 UTM- Zone 5 North- Meter (EPSG #26905)
UTM83-58	NAD83 UTM- Zone 58 North- Meter
UTM83-59	NAD83 UTM- Zone 59 North- Meter
UTM83-5F	NAD83 UTM- Zone 5 North- US Survey Foot
UTM83-5IF	NAD83 UTM- Zone 5 North- Intnl Foot
UTM83-6	NAD83 UTM- Zone 6 North- Meter (EPSG #26906)
UTM83-60	NAD83 UTM- Zone 60 North- Meter
UTM83-6F	NAD83 UTM- Zone 6 North- US Foot
UTM83-6IF	NAD83 UTM- Zone 6 North- Intnl Foot
UTM83-7	NAD83 UTM- Zone 7 North- Meter (EPSG #26907)
UTM83-7F	NAD83 UTM- Zone 7 North- US Foot
UTM83-7IF	NAD83 UTM- Zone 7 North- Intnl Foot
UTM83-8	NAD83 UTM- Zone 8 North- Meter (EPSG #26908)
UTM83-8F	NAD83 UTM- Zone 8 North- US Foot
UTM83-8IF	NAD83 UTM- Zone 8 North- Intnl Foot
UTM83-9	NAD83 UTM- Zone 9 North- Meter (EPSG #26909)
UTM83-9F	NAD83 UTM- Zone 9 North- US Foot
UTM83-9IF	NAD83 UTM- Zone 9 North- Intnl Foot
UTM84-10N	WGS 1984 UTM- Zone 10 North- Meter (EPSG #32610)
UTM84-10S	WGS 1984 UTM- Zone 10 South- Meter (EPSG #32710)
UTM84-11N	WGS 1984 UTM- Zone 11 North- Meter (EPSG #32611)
UTM84-11S	WGS 1984 UTM- Zone 11 South- Meter (EPSG #32711)
UTM84-12N	WGS 1984 UTM- Zone 12 North- Meter (EPSG #32612)
UTM84-12S	WGS 1984 UTM- Zone 12 South- Meter (EPSG #32712)
UTM84-13N	WGS 1984 UTM- Zone 13 North- Meter (EPSG #32613)
UTM84-13S	WGS 1984 UTM- Zone 13 South- Meter (EPSG #32713)
UTM84-14N	WGS 1984 UTM- Zone 14 North- Meter (EPSG #32614)
UTM84-14S	WGS 1984 UTM- Zone 14 South- Meter (EPSG #32714)
UTM84-15N	WGS 1984 UTM- Zone 15 North- Meter (EPSG #32615)
UTM84-15S	WGS 1984 UTM- Zone 15 South- Meter (EPSG #32715)
UTM84-16N	WGS 1984 UTM- Zone 16 North- Meter (EPSG #32616)
UTM84-16S	WGS 1984 UTM- Zone 16 South- Meter (EPSG #32716)
UTM84-17N	WGS 1984 UTM- Zone 17 North- Meter (EPSG #32617)
UTM84-17S	WGS 1984 UTM- Zone 17 South- Meter (EPSG #32717)
UTM84-18N	WGS 1984 UTM- Zone 18 North- Meter (EPSG #32618)
UTM84-18S	WGS 1984 UTM- Zone 18 South- Meter (EPSG #32718)
UTM84-19N	WGS 1984 UTM- Zone 19 North- Meter (EPSG #32619)
UTM84-19S	WGS 1984 UTM- Zone 19 South- Meter (EPSG #32719)
UTM84-1N	WGS 1984 UTM- Zone 1 North- Meter (EPSG #32601)
UTM84-1S	WGS 1984 UTM- Zone 1 South- Meter (EPSG #32701)
UTM84-20N	WGS 1984 UTM- Zone 20 North- Meter (EPSG #32620)
UTM84-20S	WGS 1984 UTM- Zone 20 South- Meter (EPSG #32720)
UTM84-21N	WGS 1984 UTM- Zone 21 North- Meter (EPSG #32621)
UTM84-21S	WGS 1984 UTM- Zone 21 South- Meter (EPSG #32721)
UTM84-22N	WGS 1984 UTM- Zone 22 North- Meter (EPSG #32622)
UTM84-22S	WGS 1984 UTM- Zone 22 South- Meter (EPSG #32722)
UTM84-23N	WGS 1984 UTM- Zone 23 North- Meter (EPSG #32623)
UTM84-23S	WGS 1984 UTM- Zone 23 South- Meter (EPSG #32723)
UTM84-24N	WGS 1984 UTM- Zone 24 North- Meter (EPSG #32624)
UTM84-24S	WGS 1984 UTM- Zone 24 South- Meter (EPSG #32724)
UTM84-25N	WGS 1984 UTM- Zone 25 North- Meter (EPSG #32625)
UTM84-25S	WGS 1984 UTM- Zone 25 South- Meter (EPSG #32725)
UTM84-26N	WGS 1984 UTM- Zone 26 North- Meter (EPSG #32626)
UTM84-26S	WGS 1984 UTM- Zone 26 South- Meter (EPSG #32726)

UTM84-27N	WGS 1984 UTM- Zone 27 North- Meter (EPSG #32627)
UTM84-27S	WGS 1984 UTM- Zone 27 South- Meter (EPSG #32727)
UTM84-28N	WGS 1984 UTM- Zone 28 North- Meter (EPSG #32628)
UTM84-28S	WGS 1984 UTM- Zone 28 South- Meter (EPSG #32728)
UTM84-29N	WGS 1984 UTM- Zone 29 North- Meter (EPSG #32629)
UTM84-29S	WGS 1984 UTM- Zone 29 South- Meter (EPSG #32729)
UTM84-2N	WGS 1984 UTM- Zone 2 North- Meter (EPSG #32602)
UTM84-2S	WGS 1984 UTM- Zone 2 South- Meter (EPSG #32702)
UTM84-30N	WGS 1984 UTM- Zone 30 North- Meter (EPSG #32630)
UTM84-30S	WGS 1984 UTM- Zone 30 South- Meter (EPSG #32730)
UTM84-31N	WGS 1984 UTM- Zone 31 North- Meter (EPSG #32631)
UTM84-31S	WGS 1984 UTM- Zone 31 South- Meter (EPSG #32731)
UTM84-32N	WGS 1984 UTM- Zone 32 North- Meter (EPSG #32632)
UTM84-32S	WGS 1984 UTM- Zone 32 South- Meter (EPSG #32732)
UTM84-33N	WGS 1984 UTM- Zone 33 North- Meter (EPSG #32633)
UTM84-33S	WGS 1984 UTM- Zone 33 South- Meter (EPSG #32733)
UTM84-34N	WGS 1984 UTM- Zone 34 North- Meter (EPSG #32634)
UTM84-34S	WGS 1984 UTM- Zone 34 South- Meter (EPSG #32734)
UTM84-35N	WGS 1984 UTM- Zone 35 North- Meter (EPSG #32635)
UTM84-35S	WGS 1984 UTM- Zone 35 South- Meter (EPSG #32735)
UTM84-36N	WGS 1984 UTM- Zone 36 North- Meter (EPSG #32636)
UTM84-36S	WGS 1984 UTM- Zone 36 South- Meter (EPSG #32736)
UTM84-37N	WGS 1984 UTM- Zone 37 North- Meter (EPSG #32637)
UTM84-37S	WGS 1984 UTM- Zone 37 South- Meter (EPSG #32737)
UTM84-38N	WGS 1984 UTM- Zone 38 North- Meter (EPSG #32638)
UTM84-38S	WGS 1984 UTM- Zone 38 South- Meter (EPSG #32738)
UTM84-39N	WGS 1984 UTM- Zone 39 North- Meter (EPSG #32639)
UTM84-39S	WGS 1984 UTM- Zone 39 South- Meter (EPSG #32739)
UTM84-3N	WGS 1984 UTM- Zone 3 North- Meter (EPSG #32603)
UTM84-3S	WGS 1984 UTM- Zone 3 South- Meter (EPSG #32703)
UTM84-40N	WGS 1984 UTM- Zone 40 North- Meter (EPSG #32640)
UTM84-40S	WGS 1984 UTM- Zone 40 South- Meter (EPSG #32740)
UTM84-41N	WGS 1984 UTM- Zone 41 North- Meter (EPSG #32641)
UTM84-41S	WGS 1984 UTM- Zone 41 South- Meter (EPSG #32741)
UTM84-42N	WGS 1984 UTM- Zone 42 North- Meter (EPSG #32642)
UTM84-42S	WGS 1984 UTM- Zone 42 South- Meter (EPSG #32742)
UTM84-43N	WGS 1984 UTM- Zone 43 North- Meter (EPSG #32643)
UTM84-43S	WGS 1984 UTM- Zone 43 South- Meter (EPSG #32743)
UTM84-44N	WGS 1984 UTM- Zone 44 North- Meter (EPSG #32644)
UTM84-44S	WGS 1984 UTM- Zone 44 South- Meter (EPSG #32744)
UTM84-45N	WGS 1984 UTM- Zone 45 North- Meter (EPSG #32645)
UTM84-45S	WGS 1984 UTM- Zone 45 South- Meter (EPSG #32745)
UTM84-46N	WGS 1984 UTM- Zone 46 North- Meter (EPSG #32646)
UTM84-46S	WGS 1984 UTM- Zone 46 South- Meter (EPSG #32746)
UTM84-47N	WGS 1984 UTM- Zone 47 North- Meter (EPSG #32647)
UTM84-47S	WGS 1984 UTM- Zone 47 South- Meter (EPSG #32747)
UTM84-48N	WGS 1984 UTM- Zone 48 North- Meter (EPSG #32648)
UTM84-48S	WGS 1984 UTM- Zone 48 South- Meter (EPSG #32748)
UTM84-49N	WGS 1984 UTM- Zone 49 North- Meter (EPSG #32649)
UTM84-49S	WGS 1984 UTM- Zone 49 South- Meter (EPSG #32749)
UTM84-4N	WGS 1984 UTM- Zone 4 North- Meter (EPSG #32604)
UTM84-4S	WGS 1984 UTM- Zone 4 South- Meter (EPSG #32704)
UTM84-50N	WGS 1984 UTM- Zone 50 North- Meter (EPSG #32650)
UTM84-50S	WGS 1984 UTM- Zone 50 South- Meter (EPSG #32750)
UTM84-51N	WGS 1984 UTM- Zone 51 North- Meter (EPSG #32651)
UTM84-51S	WGS 1984 UTM- Zone 51 South- Meter (EPSG #32751)
UTM84-52N	WGS 1984 UTM- Zone 52 North- Meter (EPSG #32652)
UTM84-52S	WGS 1984 UTM- Zone 52 South- Meter (EPSG #32752)
UTM84-53N	WGS 1984 UTM- Zone 53 North- Meter (EPSG #32653)
UTM84-53S	WGS 1984 UTM- Zone 53 South- Meter (EPSG #32753)
UTM84-54N	WGS 1984 UTM- Zone 54 North- Meter (EPSG #32654)
UTM84-54S	WGS 1984 UTM- Zone 54 South- Meter (EPSG #32754)
UTM84-55N	WGS 1984 UTM- Zone 55 North- Meter (EPSG #32655)
UTM84-55S	WGS 1984 UTM- Zone 55 South- Meter (EPSG #32755)
UTM84-56N	WGS 1984 UTM- Zone 56 North- Meter (EPSG #32656)
UTM84-56S	WGS 1984 UTM- Zone 56 South- Meter (EPSG #32756)
UTM84-57N	WGS 1984 UTM- Zone 57 North- Meter (EPSG #32657)
UTM84-57S	WGS 1984 UTM- Zone 57 South- Meter (EPSG #32757)

UTM84-58N	WGS 1984 UTM- Zone 58 North- Meter (EPSG #32658)
UTM84-58S	WGS 1984 UTM- Zone 58 South- Meter (EPSG #32758)
UTM84-59N	WGS 1984 UTM- Zone 59 North- Meter (EPSG #32659)
UTM84-59S	WGS 1984 UTM- Zone 59 South- Meter (EPSG #32759)
UTM84-5N	WGS 1984 UTM- Zone 5 North- Meter (EPSG #32605)
UTM84-5S	WGS 1984 UTM- Zone 5 South- Meter (EPSG #32705)
UTM84-60N	WGS 1984 UTM- Zone 60 North- Meter (EPSG #32660)
UTM84-60S	WGS 1984 UTM- Zone 60 South- Meter (EPSG #32760)
UTM84-6N	WGS 1984 UTM- Zone 6 North- Meter (EPSG #32606)
UTM84-6S	WGS 1984 UTM- Zone 6 South- Meter (EPSG #32706)
UTM84-7N	WGS 1984 UTM- Zone 7 North- Meter (EPSG #32607)
UTM84-7S	WGS 1984 UTM- Zone 7 South- Meter (EPSG #32707)
UTM84-8N	WGS 1984 UTM- Zone 8 North- Meter (EPSG #32608)
UTM84-8S	WGS 1984 UTM- Zone 8 South- Meter (EPSG #32708)
UTM84-9N	WGS 1984 UTM- Zone 9 North- Meter (EPSG #32609)
UTM84-9S	WGS 1984 UTM- Zone 9 South- Meter (EPSG #32709)
UTM89-30N	WGS 1984 UTM- Zone 30 North- Meter
UTMHP-10	HPGN UTM- Zone 10 North- Meter
UTMHP-10F	HPGN UTM- Zone 10 North- US Foot
UTMHP-10IF	HPGN UTM- Zone 10 North- Intnl Foot
UTMHP-11	HPGN UTM- Zone 11 North- Meter
UTMHP-11F	HPGN UTM- Zone 11 North- US Foot
UTMHP-11IF	HPGN UTM- Zone 11 North- Intnl Foot
UTMHP-12	HPGN UTM- Zone 12 North- Meter
UTMHP-12F	HPGN UTM- Zone 12 North- US Foot
UTMHP-12IF	HPGN UTM- Zone 12 North- Intnl Foot
UTMHP-13	HPGN UTM- Zone 13 North- Meter
UTMHP-13F	HPGN UTM- Zone 13 North- US Foot
UTMHP-13IF	HPGN UTM- Zone 13 North- Intnl Foot
UTMHP-14	HPGN UTM- Zone 14 North- Meter
UTMHP-14F	HPGN UTM- Zone 14 North- US Foot
UTMHP-14IF	HPGN UTM- Zone 14 North- Intnl Foot
UTMHP-15	HPGN UTM- Zone 15 North- Meter
UTMHP-15F	HPGN UTM- Zone 15 North- US Foot
UTMHP-15IF	HPGN UTM- Zone 15 North- Intnl Foot
UTMHP-16	HPGN UTM- Zone 16 North- Meter
UTMHP-16F	HPGN UTM- Zone 16 North- US Foot
UTMHP-16IF	HPGN UTM- Zone 16 North- Intnl Foot
UTMHP-17	HPGN UTM- Zone 17 North- Meter
UTMHP-17F	HPGN UTM- Zone 17 North- US Foot
UTMHP-17IF	HPGN UTM- Zone 17 North- Intnl Foot
UTMHP-18	HPGN UTM- Zone 18 North- Meter
UTMHP-18F	HPGN UTM- Zone 18 North- US Foot
UTMHP-18IF	HPGN UTM- Zone 18 North- Intnl Foot
UT-N	NAD27 Utah State Planes- Northern Zone- US Foot (EPSG #32042)
UT-S	NAD27 Utah State Planes- Southern Zone- US Foot (EPSG #32044)
VA83-N	NAD83 Virginia State Planes- Northern Zone- Meter (EPSG #32146)
VA83-NF	NAD83 Virginia State Planes- Northern Zone- US Foot (EPSG #2283)
VA83-S	NAD83 Virginia State Planes- Southern Zone- Meter (EPSG #32147)
VA83-SF	NAD83 Virginia State Planes- Southern Zone- US Foot (EPSG #2284)
VAHP-N	HPGN/HARN Virginia State Planes- Northern Zone- Meter (EPSG #2853)
VAHP-NF	HPGN/HARN Virginia State Planes- Northern Zone- US Foot (EPSG #2924)
VAHP-S	HPGN/HARN Virginia State Planes- Southern Zone- Meter (EPSG #2854)
VAHP-SF	HPGN/HARN Virginia State Planes- Southern Zone- US Foot (EPSG #2925)
VA-N	NAD27 Virginia State Planes- Northern Zone- US Foot (EPSG #32046)
VA-S	NAD27 Virginia State Planes- Southern Zone- US Foot (EPSG #32047)
VT	NAD27 Vermont State Planes- US Foot (EPSG #32045)
VT83	NAD83 Vermont State Planes- Meter (EPSG #32145)
VT83F	NAD83 Vermont State Planes- US Foot
VTHP	HPGN/HARN Vermont State Planes- Meter (EPSG #2852)
VTHPF	HPGN/HARN Vermont State Planes- US Foot
WA83-N	NAD83 Washington State Planes- Northern Zone- Meter (EPSG #32148)
WA83-NF	NAD83 Washington State Planes- Northern Zone- US Foot (EPSG #2285)
WA83-S	NAD83 Washington State Planes- Southern Zone- Meter (EPSG #32149)
WA83-SF	NAD83 Washington State Planes- Southern Zone- US Foot (EPSG #2286)
WAHP-N	HPGN Washington State Planes- Northern Zone- Meter (EPSG #2855)
WAHP-NF	HPGN Washington State Planes- Northern Zone- US Foot (EPSG #2926)
WAHP-S	HPGN Washington State Planes- Southern Zone- Meter (EPSG #2856)

WAHP-SF	HPGN Washington State Planes- Southern Zone- US Foot (EPSG #2927)
WA-N	NAD27 Washington State Planes- Northern Zone- US Foot (EPSG #32048)
WA-S	NAD27 Washington State Planes- Southern Zone- US Foot (EPSG #32049)
WI83-C	NAD83 Wisconsin State Planes- Central Zone- Meter (EPSG #32153)
WI83-CF	NAD83 Wisconsin State Planes- Central Zone- US Foot (EPSG #2288)
WI83-N	NAD83 Wisconsin State Planes- Northern Zone- Meter (EPSG #32152)
WI83-NF	NAD83 Wisconsin State Planes- Northern Zone- US Foot (EPSG #2287)
WI83-S	NAD83 Wisconsin State Planes- Southern Zone- Meter (EPSG #32154)
WI83-SF	NAD83 Wisconsin State Planes- Southern Zone- US Foot (EPSG #2289)
WI-C	NAD27 Wisconsin State Planes- Central Zone- US Foot (EPSG #32053)
WIHP-C	HPGN Wisconsin State Planes- Central Zone- Meter (EPSG #2860)
WIHP-CF	HPGN Wisconsin State Planes- Central Zone- US Foot (EPSG #2929)
WIHP-N	HPGN Wisconsin State Planes- Northern Zone- Meter (EPSG #2859)
WIHP-NF	HPGN Wisconsin State Planes- Northern Zone- US Foot (EPSG #2928)
WIHP-S	HPGN Wisconsin State Planes- Southern Zone- Meter (EPSG #2861)
WIHP-SF	HPGN Wisconsin State Planes- Southern Zone- US Foot (EPSG #2930)
WI-N	NAD27 Wisconsin State Planes- Northern Zone- US Foot (EPSG #32052)
WI-S	NAD27 Wisconsin State Planes- Southern Zone- US Foot (EPSG #32054)
WV83-N	NAD83 West Virginia State Planes- Northern Zone- Meter (EPSG #32150)
WV83-NF	NAD83 West Virginia State Planes- Northern Zone- US Foot
WV83-S	NAD83 West Virginia State Planes- Southern Zone- Meter (EPSG #32151)
WV83-SF	NAD83 West Virginia State Planes- Southern Zone- US Foot
WVHP-N	HARN (HPGN) West Virginia State Planes- Northern Zone- Meter (EPSG #2857)
WVHP-NF	HARN (HPGN) West Virginia State Planes- Northern Zone- US Foot
WVHP-S	HARN (HPGN) West Virginia State Planes- Southern Zone- Meter (EPSG #2858)
WVHP-SF	HARN (HPGN) West Virginia State Planes- Southern Zone- US Foot
WV-N	NAD27 West Virginia State Planes- Northern Zone- US Foot (EPSG #32050)
WV-S	NAD27 West Virginia State Planes- Southern Zone- US Foot (EPSG #32051)
WY83-E	NAD83 Wyoming State Planes- Eastern- Meter (EPSG #32155)
WY83-EC	NAD83 Wyoming State Planes- East Central Zone- Meter (EPSG #32156)
WY83-ECF	NAD83 Wyoming State Planes- East Central Zone- US Foot
WY83-EF	NAD83 Wyoming State Planes- Eastern- US Foot
WY83-W	NAD83 Wyoming State Planes- Western- Meter (EPSG #32158)
WY83-WC	NAD83 Wyoming State Planes- West Central Zone- Meter (EPSG #32157)
WY83-WCF	NAD83 Wyoming State Planes- West Central Zone- US Foot
WY83-WF	NAD83 Wyoming State Planes- Western- US Foot
WY-E	NAD27 Wyoming State Planes- Eastern Zone- US Foot (EPSG #32055)
WY-EC	NAD27 Wyoming State Planes- East Central Zone- US Foot (EPSG #32056)
WYHP-E	HPGN/HARN Wyoming State Planes- Eastern- Meter (EPSG #2862)
WYHP-EC	HPGN/HARN Wyoming State Planes- East Central Zone- Meter (EPSG #2863)
WYHP-ECF	HPGN/HARN Wyoming State Planes- East Central Zone- US Foot
WYHP-EF	HPGN/HARN Wyoming State Planes- Eastern- US Foot
WYHP-W	HPGN/HARN Wyoming State Planes- Western- Meter (EPSG #2865)
WYHP-WC	HPGN/HARN Wyoming State Planes- West Central Zone- Meter (EPSG #2864)
WYHP-WCF	HPGN/HARN Wyoming State Planes- West Central Zone- US Foot
WYHP-WF	HPGN/HARN Wyoming State Planes- Western- US Foot
WY-W	NAD27 Wyoming State Planes- Western Zone- US Foot (EPSG #32058)
WY-WC	NAD27 Wyoming State Planes- West Central Zone- US Foot (EPSG #32057)

CodeDataSource

Used by Attributes: Air Operations Area - DataSource;Aircraft Gate Stand - DataSource;Aircraft Non Movement Area - DataSource;Airfield Light - DataSource;Airport Boundary - DataSource;Airport Control Point - DataSource;Airport Parcel - DataSource;Airport Sign - DataSource;AnchorageArea - DataSource;Apron - DataSource;Arresting Gear - DataSource;Blast Pad - DataSource;Bridge - DataSource;Building - DataSource;County - DataSource;Deicing Area - DataSource;Dock - DataSource;Driveway - DataSource;Driveway Centerline - DataSource;Easements And Rights of Way - DataSource;Elevation Contour - DataSource;Environmental Contamination Area - DataSource;FAA Region - DataSource;Fauna Hazard Area - DataSource;Fence - DataSource;Flood Plain - DataSource;Flora Habitat Area - DataSource;Flora Species Site - DataSource;Frequency Area - DataSource;Gate - DataSource;Hazardous Material Storage Site - DataSource;Image Area - DataSource;Land and Hold Short Line - DataSource;Land Use - DataSource;Landmark Segment - DataSource;Lease Area - DataSource;Lease Area - DataSource;Lease Area - DataSource;Lease Area - DataSource;Marking Area - DataSource;Marking Line - DataSource;Movement Area - DataSource;Municipality - DataSource;Navigation Buoy - DataSource;Navigational Aid Critical Area - DataSource;Navigational Aid Equipment - DataSource;Navigational Aid Site - DataSource;Noise Contour - DataSource;Noise Incident - DataSource;Noise Monitoring Point - DataSource;Obstacle - DataSource;Obstruction Area - DataSource;Obstruction Identification Surface - DataSource;Parcel - DataSource;Parking Lot - DataSource;Passenger Loading

Bridge - DataSource;Project Area - DataSource;Railroad Centerline - DataSource;Railroad Yard - DataSource;Reference Grid Line - DataSource;Restricted Access Boundary - DataSource;Road Centerline - DataSource;Road Point - DataSource;Road Segment - DataSource;Roof - DataSource;Runway - DataSource;Runway Arresting Area - DataSource;Runway Centerline - DataSource;Runway Element - DataSource;Runway End - DataSource;Runway Helipad Design Surface - DataSource;Runway Intersection - DataSource;Runway Label - DataSource;Runway Protection Area - DataSource;Runway Safety Area Boundary - DataSource;Sample Collection Point - DataSource;Seaplane Ramp Centerline - DataSource;Seaplane Ramp Site - DataSource;Security Area - DataSource;Security Identification Display Area - DataSource;Security Perimeter Line - DataSource;Shoreline - DataSource;Shoulder - DataSource;Sidewalk Segment - DataSource;State - DataSource;Sterile Area - DataSource;Stopway - DataSource;Tank Site - DataSource;Taxi Channel - DataSource;Taxiway Element - DataSource;Taxiway Holding Position - DataSource;Taxiway Intersection - DataSource;Touchdown Lift Off - DataSource;Tower - DataSource;Tunnel - DataSource;Turning Basin - DataSource;Utility Line - DataSource;Utility Point - DataSource;Utility Polygon - DataSource;Water Lane End - DataSource;Water Operations Area - DataSource;Wetland - DataSource;Zoning - DataSource

Value	Definition (Notes) [Source]
AERIAL	2005/2007 Aerial Photography
CAD	Georeferenced CAD File/Scan
CAD_ASBUILT	CAD As-Built
CAD_DIGITAL	CAD Digital
CAD_PAPER	CAD Paper
CNTRLIMG	Controlled Image
COGO	COGO
CONSTRSURVEY	Construction Survey
CONVSURVEY	Conventional Survey
DIG_RTK	Dig Survey - RTK
DIGITAL_OTHER	Digital File (Other)
FIELD	Field Observatin
FIELDMEASURE	Field Measurement
GIS_DIGITAL	GIS Digital
GIS_PAPER	GIS Paper
GPS_COM	Commercial GPS
GPS_MAP	Mapping GPS
GPS_RTK	Trimble R8/5800 Receiver and TSC2 Data Collector
LEGACY	Existed in Legacy Database
LEGAL	Legal Description
NA	NA
NO_ACCESS	Cannot Access Feature
ORTHOGT6	Ortho (Greater than 6 Inch GSD)
ORTHOLT6	Ortho (Less than 6 Inch GSD)
OTHER	Other
PARSONS	Parsons Data
PLAT	Plat
RECOLLECTION	Personal Recollection
ROD_LEVEL	Laser Rangefinder and Survey Rod & Level
TOWSON	Towson Data
UNCNTRLIMG	Uncontrolled Image
UNKNOWN	Unknown
WRITTEN	Written Description

CodeDesignGroup

Used by Attributes: Runway End - Design Group;Taxiway Element - Design Group

Value	Definition (Notes) [Source]
I	Less than 20 foot tail height; and less than 49 foot wingspan
II	20 or more and less than 30 foot tail height; and 49 or more and less than 79 foot wingspan
III	30 or more and less than 45 foot tail height; and 79 or more and less than 118 foot wingspan
IV	45 or more and less than 60 foot tail height; and 118 or more and less than 171 foot wingspan
V	60 or more and less than 66 foot tail height; and 171 or more and less than 214 foot wingspan
VI	66 or more and less than 80 foot tail height; and 214 or more and less than 262 foot wingspan

CodeDesignSurfaceType

Used by Attributes: Runway Helipad Design Surface - Design Surface Type

Value	Definition (Notes) [Source]
BRL	Building restriction line (not a standard)
FATO	Final Approach and Takeoff Clearance Surface
HAS	Heliport Safety Area
HPZ	Heliport Protection Zone
IAOFZ	Inner Approach Obstacle Free Zone
ITOFZ	Inner Transitional Obstacle Free Zone
OFZ	Obstacle Free Zone
POFZ	Precision obstacle free zone (See AC 150/5300-13)
PRSIFR	Parallel Runway Separation Simultaneous IFR Operations
PRSVFR	Parallel Runway Separation Simultaneous VFR Operations
ROFA	Runway Object Free Area
RPZ	Runway protection zone (See AC 150/5300-13)
RSA	Runway safety area
RWYPTX	Runway to Parallel Taxiway and Taxiline Separation
TOFA	Taxiway and taxilane object free area (See AC 150/5300-13)
TSA	Threshold sighting area
TSS	Threshold Siting Surface (See AC 150/5300-13)
TXSA	Taxiway safety area (See AC 150/5300-13)

CodeDirection

Used by Attributes: Baggage Carousel - Direction;Baggage Conveyor - Direction

Value	Definition (Notes) [Source]
INBOUND	Baggage flow is from non-secure areas to secure areas of the airport.
OUTBOUND	Baggage flow is from secure areas to non-secure areas of the airport.
UNKNOWN	Baggage flow direction is unknown

CodeDirectionality

Used by Attributes: Bridge - Directionality;Railroad Centerline - Directionality;Road Segment - Directionality;Taxiway Element - Directionality;Tunnel - Directionality;Utility Line - Directionality

Value	Definition (Notes) [Source]
BI	Bidirectional
ES	One way from end-to-startpoint
SE	One way from start-to-endpoint

CodeDoorType

Used by Attributes: Door - Type

Value	Definition (Notes) [Source]
Access	Access
Alarm Point	Alarm Point
Chop	Chop
Comm/Electrical	Comm/Electrical
Elevator	Elevator
Emergency Exit	Emergency Exit
Interior	Interior
Jetway	Jetway
Roll Up	Roll Up
Turnstile	Turnstile
Baggage Handling System	Baggage Handling System
Roof Access	Roof Access

CodeFloorLevel

Used by Attributes: Baggage Carousel - Floor Level;Baggage Conveyor - Floor Level;Building Zone - Floor Level;Column - Floor Level;Column Grid - Floor Level;Column Line - Floor Level;Door - Floor Level;Floor - Floor Level;Flooring Material - Floor Level;Furnishing - Floor Level;Interior Sign - Floor Level;Lease Area - Floor Level;Lease Area - Floor Level;Maintenance Responsibility Area - Floor Level;Moving Sidewalk - Floor Level;Passenger Gate - Floor Level;Room - Floor Level;Space - Floor Level;Wall - Floor Level;Window - Floor Level;Baggage Carousel - From Level;Baggage Conveyor - From Level;Chase - From Level;Elevator - From Level;Escalator - From Level;Ladder - From Level;Moving Sidewalk - From Level;Stair - From Level;Baggage Carousel - To Level;Baggage Conveyor - To Level;Chase - To Level;Elevator - To Level;Escalator - To Level;Ladder - To Level;Moving Sidewalk - To Level;Stair - To Level

Value	Definition (Notes) [Source]
Level 1	Apron
Level 2	Boarding
Level 3	Level 3
Level 4	Level 4
Level 5	Level 5
Level 6	Level 6
Level 7	Level 7
Level 8	Level 8
Level 9	Level 9
Level G	Automated Ground Transportation
Level U	Utility Chase
Level Z	Mezzanine - Baggage Sort

CodeFuel

Used by Attributes: Apron - Fuel

Value	Definition (Notes) [Source]
100	100/130 octane gasoline, leaded, MIL-L-5572F (GREEN)
100LL	100/130 MIL Spec, low lead, aviation gasoline (BLUE)
115	115/145 octane gasoline, leaded, MIL-L-5572F (PURPLE)
7	JP-7, Jet Propellant type 7 (Glass Tank Fuel)
80	80/87 octane gasoline, leaded, MIL-L-5572F (RED)
A	Jet A, without icing inhibitor
A+	Jet A+, Kerosene fuel, Type A, Jet A or JP-1 With icing inhibitor.
A1	Jet A1, without icing inhibitor
A1+	Jet A1+, Jet A1 with icing inhibitor.
B	Jet B, Wide cut turbine fuel, Without icing inhibitor.
B+	Jet B+, wide cut turbine fuel with icing inhibitor.
C	91/96 octane gasoline, leaded, No MIL Spec.
F	80 octane gasoline, unleaded, No MIL Spec.
G	Aviation Gasoline (AVGAS), octane unknown
H	108/135 octane gasoline, leaded, No MIL Spec
J	Jet fuel available but type is unknown
J4	JP-4, Wide cut turbine fuel MIL Spec T-5624
J5	JP-5, Kerosene MIL Spec T-5624
J8	JP-8, Semi Kerosene MIL Spec T-83133, without icing inhibitor
K	73 octane gasoline, unleaded, No MIL Spec
X	Storage tanks available and fuel type unknown or the tanks were used at one time for aviation products but may now store other products
LqNaturalGas	Liguified Natural Gas

CodeGateStandType

Used by Attributes: Aircraft Gate Stand - Gate Stand Type

Value	Definition (Notes) [Source]
ANG-NI	Angled nose-in parking position
ANG-NO	Angled nose-out parking position
HS	Hard stand
ISO	Isolated parking position.

JB	Jet bridge
NI	Nose-in parking position.
OTHER	Other
PR	Portable ramp
RMT	Remote parking position.
SR	Stairs
TM	Temporary
UNK	unknown

CodeGridType

Used by Attributes: Reference Grid Line - Grid Type

Value	Definition (Notes) [Source]
ed50	European Datum 1950
gaussKruger	Gauss Kruger
GEOREF	World Geographic Reference System
ING	Irish National Grid Reference Survey
LCC	Lambert Conformal Conic
LL	Latitude, longitude
MIL	Military
OTHER	Other
RT90	Swedish Coordinate System
SPCS	State Plane Coordinate System
UPS	Universal Polar Stereographic
USNG	United States National Grid for Spatial Addressing
UTM	Universal Transverse Mercator

CodeHazardCategory

Used by Attributes: Hazardous Material Storage Site - Stored Hazmat Category

Value	Definition (Notes) [Source]
1	Explosives are any substance or article, including a device, which is designed to function by explosion or which, by chemical reaction within itself is able to function in a similar manner even if not designed to function by explosion (unless the article
1.1	Explosives that have a mass explosion hazard. A mass explosion is one which affects almost the entire load instantaneously
1.2	Explosives that have a projection hazard but not a mass explosion hazard
1.3	Explosives that have a fire hazard and either a minor blast hazard or a minor projection hazard or, both but not a mass explosion hazard.
1.4	Explosives that present a minor explosion hazard. The explosive effects are largely confined to the package and no projection of fragments of appreciable size or range is to be expected. An external fire must not cause virtually instantaneous explosion of
1.5	Blasting agents consist of very insensitive explosives. This division comprises substances which have a mass explosion hazard but are so insensitive that there is very little probability of initiation or of transition from burning to detonation under norm
1.6	Consists of extremely insensitive articles which do not have a mass explosive hazard. This division comprises articles which contain only extremely insensitive detonating substances and which demonstrate a negligible probability of accidental initiation o
2	HazMat Class 2 includes all gases which are compressed and stored for transportation. Class 2 has three divisions: Flammable (also called combustible), Non-Flammable/Non-Poisonous, and Poisonous.
2.1	Flammable Gas - 454 kg (1001 lb) of any material which is a gas at 20 degrees C (68 degrees F) or less and 101.3 kPa (14.7 psi) of pressure (a material which has a boiling point of 20 degrees C (68 degrees F) or less at 101.3 kPa (14.7 psi)) which-1. Is i
2.2	Non-Flammable, Non-Poisonus Gas - This division includes compressed gas, liquefied gas, pressurized cryogenic gas, compressed gas in solution, asphyxiant gas and oxidizing gas. A non-flammable, nonpoisonous compressed gas (Division 2.2) means any material
2.3	Poison Gas - Gas poisonous by inhalation means a material which is a gas at 20 degrees C or less and a pressure of 101.3 kPa (a material which has a boiling point of 20 degrees C or less at 101.3kPa (14.7 psi)) and which:1. Is known to be so toxic to huma
3	HazMat Class 3 are flammable liquids. They are liquids with flash point of not more than 60.5

	degrees C (141 degrees F), or any material in a liquid phase with a flash point at or above 37.8 degrees C (100 degrees F).
4	HazMat Class 4 are Flammable solids. Flammable Solids are any materials in the solid phase of matter that can readily undergo combustion in the presence of a source of ignition under standard circumstances, i.e. without:Artificially changing variables suc
4.1	Flammable Solid
4.2	Spontaneously Combustible
4.3	Dangerous When Wet - Dangerous when wet material is material that, by contact with water, is liable to become spontaneously flammable or to give off flammable or toxic gas at a rate greater than 1 liter per kilogram of the material, per hour, when tested
5	HazMat Class 5 Oxidizing Agents and Organic Peroxides - An oxidizer is a chemical that readily yields oxygen in reactions, thereby causing or enhancing combustion
5.1	Oxidizers - An oxidizer is a material that may, generally by yielding oxygen, cause or enhance the combustion of other materials
5.2	Organic Peroxides - An organic peroxide is any organic compound containing oxygen (O) in the bivalent -O-O- structure and which may be considered a derivative of hydrogen peroxide, where one or more of the hydrogen atoms have been replaced by organic radi
6	HazMat Class 6 is Toxic and Infectious Substances. Poisonous material is a material, other than a gas, known to be so toxic to humans that it presents a health hazard during transportation
6.1	Poisonous material is a material, other than a gas, which is known to be so toxic to humans as to afford a hazard to health during transportation, or which, in the absence of adequate data on human toxicity:
6.2	Biohazards
7	HazMat Class 7 is Radioactive substances. Radioactive substances are materials that emit radiation.
8	Hazmat Class 8 is Corrosive Substances. A corrosive material is a liquid or solid that causes full thickness destruction of human skin at the site of contact within a specified period of time. A liquid that has a severe corrosion rate on steel or aluminum
9	HazMat Class 9 is Miscellaneous Substances. The miscellaneous hazardous materials category encompasses all hazardous materials that do not fit one of the definitions listed in Class 1 through Class 8.

CodeHazardType

Used by Attributes: Fauna Hazard Area - Hazard Type

Value	Definition (Notes) [Source]
BASH	Bird Aircraft Strike Hazard
DEER STRIKE	Deer Strike
TBD	Hazard yet to be determined
TORTOISE PITFALL	Tortoise Pitfall
UNKNOWN	Unknown

CodeHowAcquired

Used by Attributes: Airport Parcel - How Acquired;Parcel - How Acquired

Value	Definition (Notes) [Source]
AIP_APPROACH_PROTECTION	Land acquired using AIP funds for approach protection
AIP_DEVELOPMENT	Land acquired using AIP funds for airport development
AIP_NOISE	Land acquired using AIP funds for noise
DONATION	Land acquired by donation
PFC_APPROACH_PROTECTION	Land acquired using PFC funds for approach protection
PFC_DEVELOPMENT	Land acquired using PFC funds for airport development
PFC_NOISE	Land acquired using PFC funds for noise
SURPLUS_PROPERTY	Land acquired as surplus property

CodeImageType

Used by Attributes: Image Location - File Type

Value	Definition (Notes) [Source]
BMP	Bitmap
JPG	Jpeg
OTH	Other
TIF	Tiff
UNK	Unknown

CodeLandmarkType

Used by Attributes: Landmark Segment - Landmark Type

Value	Definition (Notes) [Source]
AERIAL CABLEWAY	Aerial Cableway
AGRICULTURE AREA	Agriculture Area
AIRPORT	Airport
ATHLETIC FIELD	Athletic Field
BOAT RAMP	Boat Ramp
BREAKWATER	Breakwater
CANAL	Canal
CEMETERY	Cemetery
CREEK	Creek
DAM	Dam
FENCE	Fence
GOLF COURSE	Golf Course
LEVEE	Levee
MILITARY AREA	Military Area
MOUNTAIN PASS	Mountain Pass
OTHER	Other
PIER	Pier
POWERPLANT	Powerplant
QUARRY	Quarry
QUAY	Quay
RACECOURSE OR TRACK	Racecourse Or Track
RAILROAD	Railroad
RIVER	River
ROAD	Road
SHORELINE	Shoreline
STADIUM	Stadium
STREAM	Stream
TANK TRAP	Tank Trap
TRENCH	Trench
URBAN AREA	Urban Area
UTILITY LINE	Utility Line
WALL	Wall
WHARF	Wharf

CodeLandUseType

Used by Attributes: Land Use - Use Type

Value	Definition (Notes) [Source]
1000	Residential activities (Source: APA LBCS)
1100	Household activities (Source: APA LBCS)
1200	Transient living (Source: APA LBCS)
1300	Institutional living (Source: APA LBCS)
2000	Shopping, business, or trade activities (Source: APA LBCS)
2100	Shopping (Source: APA LBCS)
2110	Goods-oriented shopping (Source: APA LBCS)
2120	Service-oriented shopping (Source: APA LBCS)
2200	Restaurant-type activity (Source: APA LBCS)
2210	Restaurant-type activity with drive-through (Source: APA LBCS)
2300	Office activities (Source: APA LBCS)

2310	Office activities with high turnover of people (Source: APA LBCS)
2320	Office activities with high turnover of automobiles (Source: APA LBCS)
3000	Industrial, manufacturing, and waste-related activities (Source: APA LBCS)
3100	Plant, factory, or heavy goods storage or handling activities (Source: APA LBCS)
3110	Primarily plant or factory-type activities (Source: APA LBCS)
3120	Primarily goods storage or handling activities (Source: APA LBCS)
3200	Solid waste management activities (Source: APA LBCS)
3210	Solid waste collection and storage (Source: APA LBCS)
3220	Landfilling or dumping (Source: APA LBCS)
3230	Waste processing or recycling (Source: APA LBCS)
3300	Construction activities (grading, digging, etc.) (Source: APA LBCS)
4000	Social, institutional, or infrastructure-related activities (Source: APA LBCS)
4100	School or library activities (Source: APA LBCS)
4110	Classroom-type activities (Source: APA LBCS)
4120	Training or instructional activities outside classrooms (Source: APA LBCS)
4130	Other instructional activities including those that occur in libraries (Source: APA LBCS)
4200	Emergency response or public-safety-related activities (Source: APA LBCS)
4210	Fire and rescue-related activities (Source: APA LBCS)
4220	Police, security, and protection-related activities (Source: APA LBCS)
4230	Emergency or disaster-response-related activities (Source: APA LBCS)
4300	Activities associated with utilities (water, sewer, power, etc.) (Source: APA LBCS)
4310	Water-supply-related activities (Source: APA LBCS)
4311	Water storing, pumping, or piping (Source: APA LBCS)
4312	Water purification and filtration activities (Source: APA LBCS)
4313	Irrigation water storage and distribution activities (Source: APA LBCS)
4314	Flood control, dams, and other large irrigation activities (Source: APA LBCS)
4320	Sewer-related control, monitor, or distribution activities (Source: APA LBCS)
4321	Sewage storing, pumping, or piping (Source: APA LBCS)
4322	Sewer treatment and processing (Source: APA LBCS)
4330	Power generation, control, monitor, or distribution activities (Source: APA LBCS)
4331	Power transmission lines or control activities (Source: APA LBCS)
4332	Power generation, storage, or processing activities (Source: APA LBCS)
4340	Telecommunications-related control, monitor, or distribution activities (Source: APA LBCS)
4350	Natural gas or fuels-related control, monitor, or distribution Activities (Source: APA LBCS)
4400	Mass storage, inactive (Source: APA LBCS)
4410	Water storage (Source: APA LBCS)
4420	Storage of natural gas, fuels, etc. (Source: APA LBCS)
4430	Storage of chemical, nuclear, or other materials (Source: APA LBCS)
4500	Health care, medical, or treatment activities (Source: APA LBCS)
4600	Interment, cremation, or grave digging activities (Source: APA LBCS)
4700	Military base activities (Source: APA LBCS)
4710	Ordnance storage (Source: APA LBCS)
4720	Range and test activities (Source: APA LBCS)
5000	Travel or movement activities (Source: APA LBCS)
5100	Pedestrian movement (Source: APA LBCS)
5200	Vehicular movement (Source: APA LBCS)
5210	Vehicular parking, storage, etc. (Source: APA LBCS)
5220	Drive-in, drive through, stop-n-go, etc. (Source: APA LBCS)
5400	Trains or other rail movement (Source: APA LBCS)
5410	Rail maintenance, storage, or related activities (Source: APA LBCS)
5500	Sailing, boating, and other port, marine and water-based Activities (Source: APA LBCS)
5510	Boat mooring, docking, or servicing (Source: APA LBCS)
5520	Port, ship-building, and related activities (Source: APA LBCS)
5600	Aircraft takeoff, landing, taxiing, and parking (Source: APA LBCS)
5700	Spacecraft launching and related activities (Source: APA LBCS)
6000	Mass assembly of people (Source: APA LBCS)
6100	Passenger assembly (Source: APA LBCS)
6200	Spectator sports assembly (Source: APA LBCS)
6300	Movies, concerts, or entertainment shows (Source: APA LBCS)
6400	Gatherings at fairs and exhibitions (Source: APA LBCS)
6500	Mass training, drills, etc. (Source: APA LBCS)
6600	Social, cultural, or religious assembly (Source: APA LBCS)
6700	Gatherings at galleries, museums, aquariums, zoological parks, etc. (Source: APA LBCS)
6800	Historical or cultural celebrations, parades, reenactments, etc. (Source: APA LBCS)
7000	Leisure activities (Source: APA LBCS)
7100	Active leisure sports and related activities (Source: APA LBCS)
7110	Running, jogging, bicycling, aerobics, exercising, etc. (Source: APA
7120	Equestrian sporting activities (Source: APA LBCS)

7130	Hockey, ice skating, etc. (Source: APA LBCS)
7140	Skiing, snowboarding, etc. (Source: APA LBCS)
7150	Automobile and motorbike racing (Source: APA LBCS)
7160	Golf (Source: APA LBCS)
7180	Tennis (Source: APA LBCS)
7190	Track and field, team sports (baseball, basketball, etc.), or other sports (Source: APA LBCS)
7200	Passive leisure activity (Source: APA LBCS)
7210	Camping (Source: APA LBCS)
7220	Gambling (Source: APA LBCS)
7230	Hunting (Source: APA LBCS)
7240	Promenading and other activities in parks (Source: APA LBCS)
7250	Shooting (Source: APA LBCS)
7260	Trapping (Source: APA LBCS)
7300	Flying or air-related sports (Source: APA LBCS)
7400	Water sports and related leisure activities (Source: APA LBCS)
7410	Boating, sailing, etc. (Source: APA LBCS)
7420	Canoeing, kayaking, etc. (Source: APA LBCS)
7430	Swimming, diving, etc. (Source: APA LBCS)
7440	Fishing, angling, etc. (Source: APA LBCS)
7450	Scuba diving, snorkeling, etc. (Source: APA LBCS)
7460	Water-skiing (Source: APA LBCS)
8000	Natural resources-related activities (Source: APA LBCS)
8100	Farming, tilling, plowing, harvesting, or related activities (Source: APA)
8200	Livestock related activities (Source: APA LBCS)
8300	Pasturing, grazing, etc. (Source: APA LBCS)
8400	Logging (Source: APA LBCS)

CodeLightingConfigurationType

Used by Attributes: Airfield Light - Lighting Type;Building - Lighting Type;Navigation Buoy - Lighting Type;Navigational Aid Equipment - Lighting Type;Tank Site - Lighting Type;Tower - Lighting Type;Water Lane End - Lighting Type

Value	Definition (Notes) [Source]
ALSF-1	High Intensity Approach Lighting System - Configuration 1
ALSF-2	High Intensity Approach Lighting System - Configuration 2
APAP	Alignment of Element Systems
APBN	Airport Rotating Beacon
CLRBAR	Taxiway Clearance Bar Lights
CODEBEACON	Code Beacon
COURSE	Course Lights
F	Fixed
FL	Flashing (Sea Plane Navigation Buoy use only)
FL (2)	Group Flashing (Sea Plane Navigation Buoy use only)
FL (2+1)	Composite Group-Flashing (Sea Plane Navigation Buoy use only)
HLL	Hover Lane Light
HLLL	Hover Lane Limit Light
HPIL	Helipad Perimeter Inset Light
HPPEL	Helipad Perimeter Light (Elevated)
HPPLSF	Helipad Perimeter Light (Semiflush)
ISO	Isophase (Sea Plane Navigation Buoy use only)
L-804	Unidirectional elevated runway guard lights
L-850A	Bi directional or unidirectional runway in pavement light used for runway centerline, Land and Hold Short Operations (LAHSO).
L-850B	Unidirectional runway in pavement light used for runway touchdown zone and medium intensity approach light system applications.
L-850C	Bi directional runway in pavement light used for runway edge lights and displaced threshold applications.
L-850D	Bi directional or unidirectional runway in pavement lights used for runway threshold or runway end light applications.
L-850E	Unidirectional runway in pavement light used for runway threshold light and Medium Intensity Approach Light System applications
L-850F	Unidirectional runway in pavement lights white flashing lights used for LAHSO
L-852A	Bi directional or unidirectional taxiway centerline in pavement lights used for the straight sections of taxiways where operations are permitted when the Runway Visual Range (RVR) is greater than or equal to 1200 feet.
L-852B	Bi directional or unidirectional taxiway centerline in pavement lights for curved sections of

	taxiways where operations are permitted when the Runway Visual Range (RVR) is greater than or equal to 1200 feet.
L-852C	bi directional or unidirectional taxiway centerline in pavement lights for straight portions of taxiways where operations are permitted when the Runway Visual Range (RVR) is less than 1200 feet.
L-852D	Bi directional or unidirectional taxiway centerline in pavement lights used for curved portions of taxiways where operations are permitted when the Runway Visual Range is less than 1200 feet.
L-852E	Omni directional taxiway intersection in pavement lights where operations are permitted when the Runway Visual Range is greater than or equal to 1200 feet.
L-852E/F	Runway Guard Light in-pavement
L-852F	Omni directional taxiway intersection in pavement lights where operations are permitted when the Runway Visual Range is less than 1200 feet.
L-852G	Unidirectional Runway Guard in pavement lights
L-852G/S	Combination Runway Guard/Stop bar light in-pavement
L-852J	Bi directional taxiway centerline in pavement lights for the curved portions of taxiways where operations are permitted when the Runway Visual Range is greater than or equal to 1200 feet.
L-852K	Bi directional taxiway centerline in pavement lights for the curved portions of taxiway where operation are permitted when the Runway Visual Ranger is less than 1200 feet.
L-852S	Unidirectional in pavement Stop Bar lights
L-852T	Omni directional in pavement taxiway edge and Apron edge lights
L-853	Reflective Marker
L-854	Radio Controller (Pilot Controlled Lights)
L-860	Omni directional elevated runway edge lights for Visual Flight Rules (VFR) operations.
L-860E	Bi directional or unidirectional elevated runway threshold or runway end lights for Visual Flight Rules operations.
L-861	Omni directional or bi directional elevated runway edge or displaced threshold lights for non-precision Instrument Flight Rules (IFR) operations.
L-861E	Bi directional or unidirectional elevated runway threshold or runway end lights for non-precision Instrument Flight Rule operations.
L-861SE	Bi directional and unidirectional elevated runway threshold, runway end, and displaced threshold lights for non-precision Instrument Flight Rule operations
L-861T	Omni directional elevated taxiway and apron edge lights.
L-862	Bi directional elevated runway edge, threshold, and displaced threshold lights for precision Instrument Flight Rule operations.
L-862E	Bi directional or unidirectional elevated runway threshold, runway end, and displaced threshold lights for precision Instrument Flight Rule operations.
L-862S	Unidirectional elevated stop bar lights
L-880/L881	Precision Approach Path Indicator
LDIN	Lead In Lighting System
MALS	Medium Intensity Approach Lighting System
MALSF	Medium Intensity Approach Lighting System with Sequenced Flashing Lights
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights (RAIL)
MO (A)	Morse Code (Sea Plane Navigation Buoy use only)
NONE	No lights
OBSCAT	Catenary Lighting
OBSDUAL	A combination of OBSRED and OBSWHT
OBSRED	Aviation red Obstruction Lights
OBSWHITE	Flashing White Obstruction Lights
OC	Occulting (Sea Plane Navigation Buoy use only)
ODALS	Omnidirectional Approach Lighting System
OTHER	Other
PAPI2	Precision Approach Path Indicator with 2 lights
PAPI4	Precision Approach Path Indicator with 4 lights
PORTABLE	Portable Lights
PVASI	Pulsating visual Approach Slope Indicator
Q	Quick (Flashing) (Sea Plane Navigation Buoy use only)
RAIL	Runway Alignment Indicator Lights
REIL	Runway End Identifier Lights
RWSL	Runway Status Lights
SALS	Short Approach lighting System
SMGCS	Surface Movement Guidance Control System
SSALF	Short Simplified Approach Light System with Sequenced Flashing Lights
SSALR	Simplified Short Approach Lighting System with Runway Alignment Indicator
TRCV	TriColor VASI
T-VASI	Visual Approach Slope Indicator
TWYON_OFFLGT	Taxiway Lead on/off lights

VASI-12	Visual Approach Slope Indicator with 2 bars and 12 boxes
VASI-16	Visual Approach Slope Indicator with 3 bars and 16 boxes
VASI-2	Visual Approach Slope Indicator with 2 bars
VASI-2-2	Visual Approach Slope Indicator with 2 bars and 2 boxes
VASI-3	Visual Approach Slope Indicator with 3 bars

CodeLoadingBridgeType

Used by Attributes: Passenger Loading Bridge - Loading Bridge Type

Value	Definition (Notes) [Source]
ARM	Moveable Arm
OTHER	Other
PORTABLE_RAMP	Portable Ramp
PORTABLE_STAIRS	Portable Stairs

CodeLowVisibilityCategory

Used by Attributes: Taxiway Holding Position - Low Visibility Category

Value	Definition (Notes) [Source]
0	No low visibility operation supported
1	Supports ILS CAT I low visibility operations
2	Supports ILS CAT II III low visibility operations

CodeMarkingFeatureType

Used by Attributes: Building - Marking Feature Type;Land and Hold Short Line - Marking Feature Type;Marking Area - Marking Feature Type;Marking Line - Marking Feature Type;Obstacle - Marking Feature Type;Obstruction Area - Marking Feature Type;Tank Site - Marking Feature Type;Tower - Marking Feature Type

Value	Definition (Notes) [Source]
AIMING_POINT	Runway Aiming Point (Geometry Type: Polygon) [Source: AC 150/5340-1]
ALTBAND	lternating bands of aviation orange and white [Source AC 70/7640-1]
APRON_SIGN	Surface painted apron position/entrance sign (Geometry Type: Polygon) [Source: AC 150/5340-1]
ARROW	Arrows identify the displaced threshold area to provide centerline guidance for takeoffs and rollouts (Geometry Type: Line) [Source: AC 150/5340-1]
ARROW_HEAD	Arrow heads are used in conjunction with a threshold bar to further highlight the beginning of a runway (Geometry Type: Line) [Source: AC 150/5340-1]
CHECKERBOARD	Checkerboard obstruction marking pattern [Source AC 70/7640-1]
CHEVRON	A marking used to designate blast pads and other areas that are not suitable for aircraft (Geometry Type: Line) [Source: AC 150/5340-1]
DEMARCATION	Demarcation Bar (Geometry Type: Line) [Source: AC 150/5340-1]
DIR_SIGN	Surface painted taxiway direction signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
GATE_LINE	All painted taxilines covering a parking stand area are regarded as stand guidance lines and will be individual objects in the database. There may be several stand guidance taxilines leading to an aircraft stand to accommodate different aircraft types.
GATE_SIGN	Surface painted gate position signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
HOLD_SIGN	Surface painted holding position signs (Geometry Type: AC 150/5340-1]
ILS_HOLD	Holding position markings for Instrument Landing Systems (Geometry Type: Polygon) [Source: AC 150/5340-1]
INTERSECTION_HOLD	Holding position marking for taxiway/taxiway intersections (Geometry Type: Line) [Source: AC 150/5340-1]
LAHSO	Marking associated with a Land And Hold Short Operations (LAHSO)
LOCATION_SIGN	Surface painted taxiway location signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
NON_MOVE_AREA	Non-movement area marking (Geometry Type: Line) [Source: AC 150/5340-1]
NONE	No marking(s)
OTHER	Other markings not listed
OTHER_LINE	Other markings suitable for representation as a line
OTHER_POLYGON	Other markings suitable for representation as a polygon

PERM_CLOSED	Markings for permanently closed runways and taxiways (Geometry Type: Polygon) [Source: AC 150/5340-1]
POS_SIGN	Geographic position markings (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_CL	Runway Centerline (Geometry Type: Line) [Source: AC150/5340-1]
RWY_HOLD	Runway holding position markings on Runways (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_ID	Runway Designation Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_SHD	Runway shoulder markings (Geometry Type: Line) [Source: AC 150/5340-1]
RWY_THRSH	Runway Threshold Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
SIDE_STRP	Runway Side Stripe Marking (Geometry Type: Line) [Source: AC 150/5340-1]
SOLID	Solid pattern obstruction marking [Source AC 70/7640-1]
TDZ_MARK	Runway Touchdown Zone Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
TEMP_CLOSED	Markings for temporarily closed runways and taxiways (Geometry Type: Line) [Source: AC 150/5340-1]
THRSH_BAR	Runway Threshold Bar (Geometry Type: Polygon) [Source: AC 150/5340-1]
TIEDOWN	Aircraft tiedown
TWY_CL	Taxiway Centerline (Geometry Type: Line) [Source: AC 150/5340-1]
TWY_EDGE	Taxiway edge marking (Geometry Type: Line) [Source: AC 150/5340-1]
TWY_HOLD	Runway hold position markings on taxiways (Geometry Type: Polygon) [Source: AC 150/5340-1]
TWY_SHD	Taxiway shoulder marking (Geometry Type: Line) [Source: AC 150/5340-1]
VEHICLE	Vehicle roadway markings (Geometry Type: Line) [Source: AC 150/5340-1]

CodeMaterialType

Used by Attributes: Column - Material;Wall - Structural Material

Value	Definition (Notes) [Source]
Block	Block
Other	Other
Poured Concrete	Poured Concrete
Unknown	Unknown
Wood	Wood
Steel	Steel
Aluminum	Aluminum

CodeMonumentType

Used by Attributes: Airport Control Point - Monument Type

Value	Definition (Notes) [Source]
1ST_ORDER_CLASS_I	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
1ST_ORDER_CLASS_II	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
2ND_ORDER_CLASS_I	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
2ND_ORDER_CLASS_II	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
3RD_ORDER_NO_TABLET	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
3RD_ORDER_WITH_TABLET	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [NGS]
A_Order	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [FGCS]
B_Order	Meets the standards and specifications for geodetic control network accuracy according to the Federal Geodetic Control Subcommittee [FGCS]
BM	Benchmark is a location whose elevation and horizontal position has been surveyed as accurately as possible. Benchmarks are designed for use as reference points, and are usually marked by small brass plates
FOUND_CLOSING_CORNER	A found corner is a corner whose original or restored monument or mark is recovered, or whose position is definitely established by one or more witness corners or monuments
FOUND_SECTION_CORNER	A found corner is a corner whose original or restored monument or mark is recovered, or

	whose position is definitely established by one or more witness corners or monuments
MEANDER_CORNER	A corner established where a township line, section line, or other survey intersects the bank of a navigable stream or other meanderable body of water [USGS, 1996, Part 5: Public Land Survey System]
SPOT	A point with a measured vertical position of less than third order accuracy, measured relative to a reference datum [USGS, 2001, Part 7: Hypsography]
UNMONUMENTED	Indicates that no permanent marker has been placed
WEAK_CORNER	Corners established by the USDA Forest Service that have been found but their location has not been tied to their true ground position [USGS, 2003]
WITNESS_CORNER	A monumented station on a line of the survey that is used to perpetuate an important location more or less remote from and without special relation to any regular corner [USGS, 1996, Part 5: Public Land Survey System]

CodeNavaidEquipmentType

Used by Attributes: Navigational Aid Equipment - Navaid Equipment Type

Value	Definition (Notes) [Source]
ARSR	Air Route Surveillance Radar
ASR	Airport Surveillance Radar
DF	Direction Finding Equipment
DME	Distance Measuring Equipment
FM	Fan Marker
FMH	Fan Marker located with a radio beacon
GS CE	Glide Slope Capture Effect
GS EF	Glide Slope End Fire
GS NR	Glide Slope Null Reference
GS SB	Glide Slope Side Band
LOC	Localizer
MLSAZ	Microwave Landing System Azimuth Antenna
MLSDME	Microwave Landing System DME
MLSEL	Microwave Landing System Elevation Antenna
MSBLS-AZ	Microwave Scan Beam Landing System Azimuth
MSBLS-DME	Microwave Scan Beam Landing System Distance Measuring Equipment
MSBLS-EL	Microwave Scan Beam Landing System Elevation
MTI	Moving Target Indicator Reflector
NDB/C	Nondirectional Radio Beacon -- Compass Locator
NDB/H	Nondirectional Radio Beacon -- High Frequency
NDB/M	Nondirectional Radio Beacons/Medium HF
NDB/U	Nondirectional Radio Beacons/Ultra HF
PAR	Precision Approach Radar
SDF	Simplified Direction Finding Equipment
SECRA	Secondary Radar Antenna
TACAN	Tactical Air Navigation
TDR	Touchdown Reflector
TLS-APGS	Transponder Landing System Approach Glideslope
TLS-LOC	Transponder Landing System - Localizer
VISUAL	Used to identify the navaid as a visual system
VOR	VHF Omnidirectional Range
VORTAC	VOR and collocated TACAN
VOT	VOR Test Facility

CodeNavaidSystemType

Used by Attributes: Navigational Aid Equipment - Navaid System Type

Value	Definition (Notes) [Source]
DF	Direction Finder
ILS	Instrument Landing System
MLS	Microwave Landing System
MSBLS	Microwave Scan Beam Landing System
NDB/C	Nondirectional Radio Beacon -- Compas Locator
NDB/H	Nondirectional Radio Beacon -- High Frequency

NDB/M	Nondirectional Radio Beacons/Medium HF
NDB/U	Nondirectional Radio Beacons/Ultra HF
PAR	Precision Approach Radar
TLS	Transponder Landing System

CodeObstacleSource

Used by Attributes: Obstacle - Obstacle Source;Obstruction Area - Obstacle Source

Value	Definition (Notes) [Source]
AD	Airport Design and Planning
AF	FAA Tech Ops Field Survey
AO	Airports Field Office
DD	Digital Terrain Elevation Data
DI	U.S. Department of Interior Maps
DM	USGS Digital Elevation Model
EO	Estimated by Airport Owner
F77	Part 77 Analysis
FI	Flight Inspection
NV	Non-Vertically Guided Airport Airspace Analysis
OF	Digital Obstacle File (FAA)
OR	Other Source not named
RS	Remote Sensed
SE	Spot Elevations
SR	Shuttle Radar Terrain Model
ST	State Coded
SV	Field Survey
TE	TERPS Analysis
VG	Vertically Guided Airport Airspace Analysis
WW	Worldwide DoD

CodeObstacleType

Used by Attributes: Obstacle - Obstacle Type;Obstruction Area - Obstacle Type

Value	Definition (Notes) [Source]
AERIAL CABLEWAY	Aerial Cableway
AERIAL CABLEWAY PYLON	Aerial Cableway Pylon
AGRICULTURE EQUIPMENT	Generic for any agricultural equipment
AIRCRAFT	Generic for a parked or moving aircraft
AMUSEMENT PARK STRUCTURE	Amusement Park Structure
ANTENNA	Antenna
AQUEDUCT	Aqueduct
ARCH	Arch
ATHLETIC FIELD	Generic for any type of athletic field or stadium
BILLBOARD	Billboard
BLAST FURNACE	Blast Furnace
BLEACHERS	Bleachers
BRIDGE SUPERSTRUCTURE	Generic for larger bridges such as cable stayed bridges etc.
BRIDGE TOWER	Bridge Tower
BRIDGE/OVERPASS/VIADUCT	Generic for any type of bridge
BUILDING	Generic for any type of building
BUSH	Generic for bushes and other low growing vegetation
CABLE CAR/RAILWAY	Cable Car/Railway
CATALYTIC CRACKER	An oil refinery unit in which the cracking of petroleum takes place in the presence of a catalyst
CATENARY	The curve formed by a perfectly flexible, uniformly dense, and inextensible cable suspended from its endpoints.
CHIMMNEY/SMOKESTACK	Chimmney/Smokestack
CHURCH	Generic for houses of worship
COMMUNICATION BUILDING	Communication Building
COMMUNICATION TOWER	Communication Tower
CONTROL TOWER	Control Tower
CONVEYOR	Conveyor

COOLING TOWER	A large tower or similar structure typically attached to a power plant through which water is circulated to lower its temperature by partial evaporation
CRANE	Crane
DAM	Dam
DEBRIS/RUINS	Debris/Ruins
DIRT PILE	Dirt Pile
DOME	Dome
DREDGE/POWERSHOVEL /DRAG	Dredge/Powershovel /Drag
ELEVATOR	Elevator
FLAGPOLE	Flagpole
FLARE PIPE	Flare Pipe
FORTIFICATION OR FORT	Fortification Or Fort
GRAIN BIN/SILO	Grain Bin/Silo
GRAIN ELEVATOR	Grain Elevator
HOPPER	Hopper
HORIZONTAL POINT	Point of known horizontal position
INTERSTATE	Interstate highways with 17 foot vehicle allowance added to the features elevation
LAUNCHPAD	Launchpad
LIGHT RAILWAY	Generic for people mover systems serving airports
LIGHT SUPPORT STRUCTURE	Light Support Structure
LIGHT VESSEL/LIGHTSHIP	Light Vessel/Lightship
LIGHTHOUSE	Lighthouse
MONUMENT	Generic for historical or cultural monuments
NATURAL HIGH POINT	Generic for high terrain features
NAVAID	Used when defined as an obstacle
NUCLEAR REACTOR	Nuclear Reactor
OFF-SHORE PLATFORM	Off-Shore Platform
PARKING LOT	Parking Lot
PLANT	Generic for manufacturing facilities
POLE	Generic for utility or light poles providing local service
POWER PLANT	Power Plant
POWER TRANSMISSION LINE	Larger Tower high power Utility lines
POWER TRANSMISSION PYLON	Larger tower high power utility structures
PRIMARY ROAD	Non-Interstate roads with 15 foot vehicle allowance added to the features elevation
PROCESING/TREATMENT PLANT	Procesing/Treatment Plant
RAILROAD	Railroad track with 23 foot vehicle allowance added to the features elevation.
REFINERY	Refinery
RIG/SUPERSTRUCTURE	Rig/Superstructure
ROAD SIGN	Interstate highway overhead signs
SCRUB	Scrub
SECONDARY ROAD	Local city, county state roads with 10 foot vehicle allowance added to the features elevation
SHIP	Ship underway
SHIP STORAGE	Ship manufacturing or storage facilities
SIGN	Generic for any type of sign other than interstate or street signs
SKI JUMP	Ski Jump
SKI LIFT	Ski Lift
SKI PYLON	Ski Pylon
SKYSCRAPER	Skyscraper
SPIRE	Spire
STACK	Stack
STADIUM	Stadium
STEEPLE	Steeple
STORAGE DEPOT	Storage Depot
STREET SIGN	Signs used to control traffic or provide direction information other than interstate signs
SUBSTATION/TRANSFORMER	Substation/Transformer
TANK	Generic for other types of tanks
TELEPHONE LINE	Telephone Line
TELEPHONE PYLON/POLE	Telephone Pylon/Pole
TETHERED BALLOON	Tethered Balloon
TOWER (NON-COMMUNICATON TOWERS)	Tower (Non-Communicaton Towers)
TRAFFIC LIGHT/SIGNAL	Traffic Light/Signal
TRAMWAY	Tramway
TREE	Generic for a single or small group of trees
TREE OUTLINE	Dense area of trees
UTILITY LINE	Generic for local utility service
VEGETATION	Vegetation
VEHICLE	Generic for any type of vehicle
VERTICAL POINT	Point of known elevation

VERTICAL STRUCTURE	Generic for items not classified otherwise in this list
WALL	Wall
WATER TOWER	Generic for water towers
WIND MOTOR	Wind Motor
WINDMILL	Single windmill
WINDMILL FARMS	Multiple Windmills located close together

CodeObstructionAreaType

Used by Attributes: Obstruction Area - Obstruction Area Type

Value	Definition (Notes) [Source]
AG_EQUIP	Agricultural equipment
BUILDING	Building
GROUND	Ground
MOBILE_CRANE	Mobile_Crane
OTHER	Other
TREE	Tree
URBAN	Urban
VESSEL	Vessel

CodeOffsetDirection

Used by Attributes: Navigational Aid Equipment - Offset Direction

Value	Definition (Notes) [Source]
CL	On centerline
L	Offset to the left
R	Offset to the right

CodeOisSurfaceCondition

Used by Attributes: Obstacle - Ois Surface Condition;Obstruction Area - OIS Surface Condition;Obstruction Identification Surface - OIS Surface Condition

Value	Definition (Notes) [Source]
PRIMARY	Identifies an obstructing area solely within a single surface.
SUPPLEMENTARY	Used to identify when an obstructing area covers more than a single OIS.

CodeOisSurfaceType

Used by Attributes: Obstruction Identification Surface - OIS Surface Type

Value	Definition (Notes) [Source]
AAAA	Approach Surfaces
AAAC	Conical Surface
AAAH	Horizontal Surface
AAAP	Primary Surfaces
AAAT	Transitional Surfaces
AAAV	Vertical Guidance Protection Surface
APRC77	14 CFR Part 77 Approach Surfaces
CONL77	14 CFR Part 77 Conical Surface
DEPT	Departure Analysis
HORZ 77	14 CFR Part 77 Horizontal Surface
OEIA	One Engine Inoperative Analysis
PRIM77	14 CFR Part 77 Primary Surface
TERP	TERPS Surfaces
TRNS77	14 CFR Part 77 Transitional Surfaces

CodeOisZoneType

Used by Attributes: Obstruction Identification Surface - Ois Zone Type

Value	Definition (Notes) [Source]
APPROACH	Approach
CONICAL	Conical
HORIZONTAL	Horizontal
PRIMARY	Primary
TRANSITION	Transition

CodeOperationsType

Used by Attributes: Arresting Gear - Airport Facility Type;Airport Boundary - Operations Type

Value	Definition (Notes) [Source]
CIVIL	Civil operations only
JOINT	Joint military and civil operations
MIL	Military operations only

CodePointType

Used by Attributes: Airport Control Point - Point Type

Value	Definition (Notes) [Source]
AIRPORT_ELEVATION	Indicates the point of highest elevation on the landing surface of the airport.
ARP	Point identified is computed as the Airport reference point for the airport
ASOS	Location of the Automated Surface Observing System
AWOS	Location of the Aviation Weather Observing System
CENTERLINE_POINT	A point collected along the runway centerline whose location is variable based on collection method etc. Typically this point is used for runway profile points.
DISPLACED_THRESHOLD	Point provides the location of the displaced threshold for a runway
HELIPAD_REFERENCE_POINT	The point defined as the HelipadReferencePoint
IMAGERY	Imagery Control Point
OTHER	Other
PACS	Point referenced is the airport's Primary Airport Control Station
RUNWAY_CONTROL_POINT	Point provides the location and elevation of a specific point on the runway such as the point abeam an offset navaid or the intersection point of two runways defined in this standard as required information.
SACS	Point referenced is the airport's Secondary Airport Control Station
SAWS	Location of the Stand Alone Weather System
SEGMENTED_CIRCLE	Location of the airport segmented circle
SPOT_ELEVATION	Spot Elevation Point
STOPWAY_END	Point provides the end point for the stopway
TDZE	Touchdown Zone Elevation (TDZE) - Indicates the highest point along the runway centerline within the first 3000 feet from the threshold.
TEMPORARY_SURVEY_MARK	Temporary Survey Mark
VERTICAL_OBJECT	Point reference is a VerticalPointObject not classified by another feature but of possible significance
WIND_CONE	Location of the wind cone

CodeProjectStatus

Used by Attributes: Project Area - Project Status

Value	Definition (Notes) [Source]
IN_PROGRESS	In progress
PLAN_ON_FILE	Indicates a project that is part of a long term (11 + years) plan

PLANNED	Indicates a project that is a part of a short term (0 - 5 year) plan
PROPOSED	Indicates a project that is part of a midterm (6 - 10 year) plan

CodeProjectType

Used by Attributes: Air Operations Area - ProjectType;Aircraft Gate Stand - ProjectType;Aircraft Non Movement Area - ProjectType;Airfield Light - ProjectType;Airport Boundary - ProjectType;Airport Control Point - ProjectType;Airport Parcel - ProjectType;Airport Sign - ProjectType;AnchorageArea - ProjectType;Apron - ProjectType;Arresting Gear - ProjectType;Blast Pad - ProjectType;Bridge - ProjectType;Building - ProjectType;County - ProjectType;Deicing Area - ProjectType;Dock - ProjectType;Driveway - ProjectType;Driveway Centerline - ProjectType;Easements And Rights of Way - ProjectType;Elevation Contour - ProjectType;Environmental Contamination Area - ProjectType;FAA Region - ProjectType;Fauna Hazard Area - ProjectType;Fence - ProjectType;Flood Plain - ProjectType;Flora Habitat Area - ProjectType;Flora Species Site - ProjectType;Frequency Area - ProjectType;Gate - ProjectType;Hazardous Material Storage Site - ProjectType;Image Area - ProjectType;Land and Hold Short Line - ProjectType;Land Use - ProjectType;Landmark Segment - ProjectType;Lease Area - ProjectType;Lease Area - ProjectType;Lease Area - ProjectType;Lease Area - ProjectType;Marking Area - ProjectType;Marking Line - ProjectType;Movement Area - ProjectType;Municipality - ProjectType;Navigation Buoy - ProjectType;Navigational Aid Critical Area - ProjectType;Navigational Aid Equipment - ProjectType;Navigational Aid Site - ProjectType;Noise Contour - ProjectType;Noise Incident - ProjectType;Noise Monitoring Point - ProjectType;Obstacle - ProjectType;Obstruction Area - ProjectType;Obstruction Identification Surface - ProjectType;Parcel - ProjectType;Parking Lot - ProjectType;Passenger Loading Bridge - ProjectType;Project Area - ProjectType;Railroad Centerline - ProjectType;Railroad Yard - ProjectType;Reference Grid Line - ProjectType;Restricted Access Boundary - ProjectType;Road Centerline - ProjectType;Road Point - ProjectType;Road Segment - ProjectType;Roof - ProjectType;Runway - ProjectType;Runway Arresting Area - ProjectType;Runway Centerline - ProjectType;Runway Element - ProjectType;Runway End - ProjectType;Runway Helipad Design Surface - ProjectType;Runway Intersection - ProjectType;Runway Label - ProjectType;Runway Protection Area - ProjectType;Runway Safety Area Boundary - ProjectType;Sample Collection Point - ProjectType;Seaplane Ramp Centerline - ProjectType;Seaplane Ramp Site - ProjectType;Security Area - ProjectType;Security Identification Display Area - ProjectType;Security Perimeter Line - ProjectType;Shoreline - ProjectType;Shoulder - ProjectType;Sidewalk Segment - ProjectType;State - ProjectType;Sterile Area - ProjectType;Stopway - ProjectType;Tank Site - ProjectType;Taxi Channel - ProjectType;Taxiway Element - ProjectType;Taxiway Holding Position - ProjectType;Taxiway Intersection - ProjectType;Touchdown Lift Off - ProjectType;Tower - ProjectType;Tunnel - ProjectType;Turning Basin - ProjectType;Utility Line - ProjectType;Utility Point - ProjectType;Utility Polygon - ProjectType;Water Lane End - ProjectType;Water Operations Area - ProjectType;Wetland - ProjectType;Zoning - ProjectType

Value	Definition (Notes) [Source]

CodeRecoveredCondition

Used by Attributes: Airport Control Point - Recovered Condition

Value	Definition (Notes) [Source]
Disturbed but not missing	Surface mark destroyed (do not classify a mark as destroyed unless the actual disk is found and returned to the setting agency).
Good	Mark recovered in good condition
Other	Other
Poor	Mark recovered in poor condition and should be considered for replacement
Set now (for a first time description)	To identify a condition not available in the list.
Surface mark destroyed	Underground mark destroyed (do not classify a mark as destroyed unless the actual disk is found and returned to the setting agency).
Underground mark destroyed	Newly established mark

CodeRestrictionType

Used by Attributes: Door - Access Restriction Type;Elevator - Access Restriction Type

Value	Definition (Notes) [Source]
Biometric	Biometric
BMS	BMS
Card	Card Reader
CardKey	Card and Key

Cyper	Cyper Lock
Key	Key
None	None
Other	Other
Unknown	Unknown

CodeRouteType

Used by Attributes: Road Segment - Route 1 Type;Road Segment - Route 2 Type;Road Segment - Route 3 Type

Value	Definition (Notes) [Source]
ALLEY	Hard-surface or loose-surface narrow street or passageway primarily found between or behind buildings
CITY	City or subdivision streets
COUNTY	Hard-surface roads not included in a higher class and improved, loose-surface roads passable in all kinds of weather. These roads are adjuncts to the primary and secondary highway systems. These roads are under the jurisdiction and maintained by county au
FIFTHCLASS	Fifth Class Unimproved roads passable only with 4-wheel-drive vehicles [USGS, 2001, Part 3: Transportation]
FIRSTCLASS	First Class
FOURTHCLASS	Unimproved roads which are generally passable only in fair weather and used mostly for local traffic. Also included are driveways, regardless of construction [USGS, 2001, Part 3: Transportation]
INTERSTATE	Hard-surface highways including Interstate and U.S. numbered highways (including alternates), primary State routes, and all controlled access highways [USGS, 2001, Part 3: Transportation]
JEEPTRAIL	Unimproved roads passable only with 4-wheel-drive vehicles
LOCAL	Local jurisdiction roads
NATIONAL	First Class - Hard-surface highways including Interstate and U.S. numbered highways (including alternates), primary State routes, and all controlled access highways [USGS, 2001, Part 3: Transportation]. E.g. U.S. 66
OTHER	Other class of road
SECONDCLASS	Second Class Hard-surface highways including secondary State routes, primary county routes, and other highways that connect principal cities and towns, and link these places with primary highway system [USGS, 2001, Part 3: Transportation]
STATE	Hard-surface State routes under the control and jurisdiction of State authorities
THIRDCLASS	Hard-surface roads not included in a higher class and improved, loose-surface roads passable in all kinds of weather. These roads are adjuncts to the primary and secondary highway systems. Also included are important private roads such as main logging or
TRAIL	Unimproved roads passable only with 4-wheel-drive vehicles, snowmobiles, motocross bikes, and so forth

CodeRunwayProtectionAreaType

Used by Attributes: Runway Protection Area - Type

Value	Definition (Notes) [Source]
CWY	Clearway
ILS	ILS protection area. Protects ILS signal distortion by forbidding large objects in the area.
LIGHT	Light Plane Surface
OTHER	Other
SNOW	Area protected from snow accumulation
STOPWAY	A defined rectangular area on the ground at the end of take-off run available prepared as a suitable area in which an aircraft can be stopped in the case of an abandoned take-off.
VGSI	Visual Glide Slope Indicator (VGSI) protection area. Protects VGSI signal coverage by forbidding objects in the area.

CodeSamplePointLocation

Used by Attributes: Sample Collection Point - Collection Point Location

Value	Definition (Notes) [Source]
AS	Air sample
BH	Borehole
BIO	Biological sample
GWS	Ground water sample
OTHER	Other
SEDS	Sediment sample
SOIL	Soil sample
SOLM	Solid material sample
SURF	Surface water sample
WAS	Waste water sample
WL	Well
PC	Pavement core

CodeSegmentType

Used by Attributes: Railroad Centerline - Segment Type;Road Segment - Segment Type;Sidewalk Segment - Segment Type;Tunnel - Segment Type

Value	Definition (Notes) [Source]
BEGIN	Beginning section of the segment
CONNECTING	Intermediate segments connecting beginning and ending, beginning and intersection, or intersection and end.
END	Ending section of the segment
INTERSECTION	Defined intersection of multiple segments

CodeShape

Used by Attributes: Column - Column Shape

Value	Definition (Notes) [Source]
Circular	Circular
Ellipse	Ellipse
Other	Other
Rectangular	Rectangular
Square	Square
Unknown	Unknown
Wide Flange	Wide Flange

CodeShorelineType

Used by Attributes: Shoreline - Shoreline Type

Value	Definition (Notes) [Source]
APPARENT	Apparent edge of vegetation. Representation of the vegetative border is considered approximate because this line cannot be accurately identified on the ground, due to intricate growth patterns and change over time
INDEFINITE	Conditions prevent the feature from being confidently positioned. Horizontal data are confidently positioned within 0.02 Inches, at map scale, of the true ground position. Vertical data are confidently positioned within one-half contour interval of true g
MEAN_HIGH_LEVEL	The average limit of dry land during periods of highest water level (for example, high tide
MEAN_LOW_LEVEL	The average limit of dry land during periods of lowest water level (for example, low tide
MEAN_SEA_LEVEL	The arithmetic mean of hourly heights observed over some specified time

CodeShoulderType

Used by Attributes: Shoulder - Shoulder Type

Value	Definition (Notes) [Source]
O	Other airfield pavement with a shoulder
R	Runway
T	Taxiway

CodeSignTypeCode

Used by Attributes: Airport Sign - Sign Type

Value	Definition (Notes) [Source]
CARGO	Inbound Destination Sign - areas set aside for cargo handling
FBO	Inbound Destination Sign - fixed base operator
FUEL	Inbound Destination Sign - areas where aircraft are fueled or serviced
HOLD_INSTRUMENT_LANDING_SYSTEM	Holding Position Sign for ILS Critical Areas
HOLD_RUNWAY_APPROACH	Holding Position Sign for Runway Approach Areas
HOLD_RUNWAY_INTERSECTION	Holding Position Sign for Runway/Runway Intersections
INFO	Signs installed on the airside of an airport, other than taxiway guidance signs or runway distance remaining signs.
MIL	Inbound Destination Sign - areas set aside for military aircraft
NO_ENTRY	No Entry Sign
OUTBOUND_DESTINATION	Outbound Destination Sign
PAX	Inbound Destination Sign - areas set aside for passenger handling
ROAD_STOP	Stop sign in areas where vehicle roadways intersect runways or taxiways
ROAD_YIELD	Yield sign in areas where vehicle roadways intersect runways or taxiways
RSA_RUNWAY_APPROACH	Runway Safety Area/OFZ and Runway Approach Boundary Sign
RUNWAY_DISTANCE_REMAINING	Sign that designates the remaining runway distance to pilots during takeoff and landing operations
RUNWAY_EXIT	Runway Exit Sign
RUNWAY_LOCATION	Runway Location Sign
TAXIWAY_DIRECTION	Taxiway Direction Sign
TAXIWAY_END	Taxiway Ending Marker
TAXIWAY_LOCATION	Taxiway Location Sign
TERMINAL	Inbound Destination Sign - gate positions at which aircraft are loaded and unloaded

CodeSpaceClass

Used by Attributes: Lease Area - Class;Lease Area - Class

Value	Definition (Notes) [Source]
Airlines Common Use	Airlines Common Use
Airlines Leased	Airlines Leased
BAA Maryland	BAA Maryland
CUTE Joint Use	CUTE Joint Use
Federal SP Leased	Federal SP Leased
Federal SP Unleased	Federal SP Unleased
MAA Occupied	MAA Occupied
MAA Vacant	MAA Vacant
Misc. Tennants	Misc. Tennants
Other	Other
Public Circulation	Public Circulation
Restrooms	Restrooms
Unknown	Unknown
Utilities	Utilities

CodeSpaceType

Used by Attributes: Lease Area - Type;Lease Area - Type

Value	Definition (Notes) [Source]
Airline VIP Lounge	Airline VIP Lounge
BAA Food and Beverage	BAA Food and Beverage

BAA Retail	BAA Retail
Baggage Claim	Baggage Claim
Baggage Makeup	Baggage Makeup
Circulation	Circulation
Communication	Communication
Dead Space	Dead Space
EDS EDT	EDS EDT
Electrical	Electrical
FIS	FIS
Holdroom	Holdroom
Kiosk	Kiosk
Lounge or Meeting Rooms	Lounge or Meeting Rooms
Mechanical	Mechanical
Office Public	Office Public
Office Restricted	Office Restricted
Other	Other
Public Elevator	Public Elevator
Public Escalator	Public Escalator
Public Stairs	Public Stairs
Restricted	Restricted
Security Checkpoint	Security Checkpoint
Ticket Counter	Ticket Counter
Unfinished	Unfinished
Unknown	Unknown

CodeStatus

Used by Attributes: Air Operations Area - Status;Aircraft Gate Stand - Status;Aircraft Non Movement Area - Status;Airfield Light - Status;Airport Boundary - Status;Airport Control Point - Status;Airport Parcel - Status;Airport Sign - Status;AnchorageArea - Status;Apron - Status;Arresting Gear - Status;Blast Pad - Status;Bridge - Status;Building - Status;County - Status;Deicing Area - Status;Dock - Status;Driveway - Status;Driveway Centerline - Status;Easements And Rights of Way - Status;Elevation Contour - Status;Environmental Contamination Area - Status;FAA Region - Status;Fauna Hazard Area - Status;Fence - Status;Flood Plain - Status;Flora Habitat Area - Status;Flora Species Site - Status;Frequency Area - Status;Gate - Status;Hazardous Material Storage Site - Status;Image Area - Status;Land and Hold Short Line - Status;Land Use - Status;Landmark Segment - Status;Lease Area - Status;Lease Area - Status;Lease Area - Status;Lease Area - Status;Marking Area - Status;Marking Line - Status;Movement Area - Status;Municipality - Status;Navigation Buoy - Status;Navigational Aid Critical Area - Status;Navigational Aid Equipment - Status;Navigational Aid Site - Status;Noise Contour - Status;Noise Incident - Status;Noise Monitoring Point - Status;Obstacle - Status;Obstruction Area - Status;Obstruction Identification Surface - Status;Parcel - Status;Parking Lot - Status;Passenger Loading Bridge - Status;Project Area - Status;Railroad Centerline - Status;Railroad Yard - Status;Reference Grid Line - Status;Restricted Access Boundary - Status;Road Centerline - Status;Road Point - Status;Road Segment - Status;Roof - Status;Runway - Status;Runway Arresting Area - Status;Runway Centerline - Status;Runway Element - Status;Runway End - Status;Runway Helipad Design Surface - Status;Runway Intersection - Status;Runway Label - Status;Runway Protection Area - Status;Runway Safety Area Boundary - Status;Sample Collection Point - Status;Seaplane Ramp Centerline - Status;Seaplane Ramp Site - Status;Security Area - Status;Security Identification Display Area - Status;Security Perimeter Line - Status;Shoreline - Status;Shoulder - Status;Sidewalk Segment - Status;State - Status;Sterile Area - Status;Stopway - Status;Tank Site - Status;Taxi Channel - Status;Taxiway Element - Status;Taxiway Holding Position - Status;Taxiway Intersection - Status;Touchdown Lift Off - Status;Tower - Status;Tunnel - Status;Turning Basin - Status;Utility Line - Status;Utility Point - Status;Utility Polygon - Status;Water Lane End - Status;Water Operations Area - Status;Wetland - Status;Zoning - Status

Value	Definition (Notes) [Source]
ABANDONED	Abandoned
ACTIVE	Active surface
AIRSPACED	A favorable airspace determination has been issued
AS_BUILT	As-Built
BROKEN	Broken or rough surface
CLOSED	Closed surface
CONDEMNED	Condemned
DEMOLISHED	Demolished
ENV_CLEARED	All required environmental actions and documentation described in FAAO 5050.4 National Environmental Policy Act (NEPA) have been satisfied
FAILED_AID	Failure or irregular operation of visual aides
INACTIVE	Inactive

LIMITED	Limited operations]
LONG_TERM	Indicates the feature is part of a long term (11 + years) plan
MEDIUM_TERM	Indicates the feature is part of a midterm (6 - 10 year) plan
NON_OPERATIONAL	Non-operational
OCCUPIED	Occupied
OPERATIONAL	Operational (fully)
OTHER	Other
PARKED	Parked or disabled aircraft
PERMANENT	Permanent
PORTABLE	Portable
RELEASED	Used to track land released by the airport
S_POWER	Secondary power supply in operation
SEMI_PERMANENT	Semi_Permanent
SHORT_TERM	Indicates the feature is part of a short term (0 - 5 year) plan
TBD	To be determined
TEMPORARY	Temporary
TERMINATED	Terminated no longer used
UNDER_CONSTRUCTION	Planned or under construction
UNKNOWN	Unknown
UNOCCUPIED	Unoccupied
WORK_IN_PROGRESS	Construction or work in progress

CodeStructureType

Used by Attributes: Building - Structure Type

Value	Definition (Notes) [Source]
APARTMENT	Apartment building
APM_STATION	Automated People Mover station
APM_TRACK	Automated People Mover tracks
ARENA	Sports Arena or facility
ARFF_STATION	Aircraft Rescue and Firefighting station
ATC_FACILITY	Combined or Single (other than the airport control tower) Air Traffic Control Facility
ATC_TOWER	Air Traffic Control Tower
BANK	Bank
BARN	barn
CAPITOL	Capitol
CHURCH	church/temple
CITY_HALL	City Hall
COMMUNITY_CENTER	Community Center
CONCERT_HALL	Concert Hall
CONDO	condominium
COURT_HOUSE	Court House
DRY_STORAGE_DOCK	Dry Storage Dock
DUPLEX	house, duplex
DWELLING	dwelling
EARTHWORKS	Earthworks
FBO	Fixed Base operator
GARAGE	A structure used for the maintenance, storage, and display of motor vehicles
GRAIN_ELEVATOR	Grain Elevator
HANGAR	A structure used for the maintenance, storage, and display of aircraft
HIGHRISE	A multi-story structure with at least 12 floors or 35 meters (115 feet) in height
HOSPITAL	Hospital
HOUSE	house, single family
JAIL_OR_PRISON	Jail or Prison
MEDICAL_CENTER	Medical Center
MEMORIAL	Memorial
MOBILE_HOME	Mobile home or trailer
MUSEUM	Museum.
OFFICE	office building
OFFSHORE_PLATFORM	Offshore Platform
OTHER	Other
PARKING_GARAGE	Parking garage or facility
POLICE	Police Station
POST_OFFICE	Post Office
POWER_PLANT	A facility used in the production and distribution of electrical power

PUBLIC_TRANSPORTATION	Public transportation facility (buses, taxi, etc.)
RADIO_FACILITY	Radio Facility
RAILROAD_STATION	Railroad Station
RAIN_SHED	Rain Shed
RENTAL_FACILITY	Rental Car facility
SCHOOL	Any building or structure whose primary purpose is education
SECURITY	Security Office
SKYSCRAPER	Office or housing where the building clearly stands out above its surrounding built environment and significantly changes the overall skyline of that particular city
SNOW_SHED	A structure used for the storage, maintenance of Snow removal equipment
STORAGE_FACILITY	A structure used for any type of storage
TBD	to be determined
TERMINAL	Airport Terminal building
THEATER	Theater (any type)
TOWER	Tower
TOWN_HALL	Town Hall
TOWNHOUSE	townhouse
WATER_TANK	Water Tank

CodeSurfaceCondition

Used by Attributes: Aircraft Gate Stand - Surface Condition;Apron - Surface Condition;Blast Pad - Surface Condition;Runway - Surface Condition;Runway Arresting Area - Surface Condition;Runway Element - Surface Condition;Shoulder - Surface Condition;Stopway - Surface Condition;Taxiway Element - Surface Condition;Touchdown Lift Off - Surface Condition

Value	Definition (Notes) [Source]
FAIR	Fair condition
GOOD	Good condition
OTHER	Other
POOR	Poor condition
UNSAFE	Surface is deemed unsafe for operations

CodeSurfaceMaterial

Used by Attributes: Apron - Surface Material;Blast Pad - Surface Material;Bridge - Surface Material;Driveway - Surface Material;Road Segment - Surface Material;Runway - Surface Material;Runway Arresting Area - Surface Material;Runway Element - Surface Material;Shoulder - Surface Material;Sidewalk Segment - Surface Material;Stopway - Surface Material;Taxiway Element - Surface Material;Touchdown Lift Off - Surface Material;Water Operations Area - Surface Material

Value	Definition (Notes) [Source]
AG	Asphalt grooved
Ags	Asphalt and turf
ANG	Asphalt ungrooved
BE	Bare earth
CA	Concrete and asphalt
CG	Concrete grooved
CGS	Concrete and turf
CNG	Concrete ungrooved
DS	Desert/Sand
DT	Dirt
EMAS	Engineered Material Arresting System
FW	Fresh Water
GR	Gravel
GS	Turf
SI	Snow/Ice
SW	Salt Water
W	Water

CodeSurfaceType

Used by Attributes: Aircraft Gate Stand - Surface Type;Apron - Surface Type;Blast Pad - Surface Type;Parking Lot - Surface Type;Road Segment - Surface Type;Runway - Surface Type;Runway Element - Surface Type;Shoulder - Surface Type;Stopway - Surface Type;Taxiway Element - Surface Type;Touchdown Lift Off - Surface Type

Value	Definition (Notes) [Source]
P	Specially prepared hard surface Paved
S	Specially prepared hard surface Unpaved
U	Not a specially prepared hard surface

CodeTaxiwayType

Used by Attributes: Taxiway Element - Taxiway Type

Value	Definition (Notes) [Source]
AIR_TAXIWAY	Air taxiway
AIR_TLANE	Air taxilane
APRON	Apron taxiway
BYPASS	Bypass holding bay
CROSS_OVER	Crossover taxiway
EAT	End Around Taxiway
ENTER_EXIT_TAXIWAY	Entrance and Exit taxiway
EXIT	Exit/turnoff taxiway
FASTEXIT	Rapid exit/turnoff taxiway
GATE_TLANE	Gate/stand taxilane
GND	Ground taxiway
HOLDING	Holding bay
INLINE	Inline taxiway
OTHER	Those not listed here
PARALLEL	Parallel taxiway
STUB	Stub taxiway
TLANE	Taxilane
TURN_AROUND	Turn around taxiway

CodeThresholdType

Used by Attributes: Runway End - Threshold Type

Value	Definition (Notes) [Source]
Displaced	An indication that the landing threshold is located at a point other than the runway end
Normal	An indication that the landing threshold corresponds to the end of the runway

CodeUseCode

Used by Attributes: Navigational Aid Equipment - Use Code

Value	Definition (Notes) [Source]
C	Compass Locator
H	High Altitude for VOR/VORTAC/TACAN; All Altitudes for NDB at 50-90 watts
HH	All Altitudes for NDB; 2000 watts or more
L	Low Altitude
MH	All Altitudes for NDB; Under 50 watts
T	Terminal

CodeUtilityType

Used by Attributes: Utility Line - Utility Type;Utility Point - Utility Type;Utility Polygon - Utility Type

Value	Definition (Notes) [Source]
COMMUNICATION_SYSTEM	Telephone, telegraph, cable, video and voice transmission lines
COMPRESSED_AIR_SYSTEM	The components of a compressed air system.
CONTROL_MONITORING_SYSTEM	The components of an electronic monitoring and control system (EMCS) including cables, devices, etc.
ELECTRICAL_EXT_LIGHT	The components of an electrical exterior lighting system including cables, switches, devices, transformers, etc. Does not include airfield, NAVAID or approach lighting.
ELECTRICAL_SYSTEM	The components of an electrical distribution system including cables, switches, devices, motors, transformers, etc.
FUEL_SYSTEM	The components of a fuel distribution system consisting of pipes, fittings, fixtures, pumps, tanks, etc.
GENERAL_UTILITY	The components of utility system which are universal in use and purpose and do not belong to a specific utility.
HEAT_COOL_SYSTEM	The components of a heating and cooling distribution system consisting of pipes, fittings, fixtures, etc.
INDUSTRIAL_SYSTEM	The components of an industrial waste collection system including pipes, fittings, fixtures, tanks, lagoons, etc.
NATURAL_GAS_SYSTEM	The components of a natural gas distribution system consisting of pipes, fittings, fixtures, etc.
NUCLEAR_REACTOR	The components of a nuclear system such as nuclear fuel, Nuclear research, nuclear waste, and nuclear weapons.
POWER_SYSTEM	Power transmission lines
SALTWATER_SYSTEM	The components of a salt water collection system.
STORM_SYSTEM	The components of a storm drainage collection system including pipes, fittings, fixtures, etc.
TRANSMISSION_LINE	Objects related to the long distance transmission of gas, oil, or hazardous liquid.
WASTEWATER_SYSTEM	The components of a wastewater collection system including pipes, fittings, fixtures, treatment plants, collection locations, etc.
WATER_SYSTEM	The components of a water system including pipes, fittings, fixtures, treatment plants, etc.

CodeVerticalStructureMaterial

Used by Attributes: Dock - Floating Barge Material;Dock - Floating Dock Material;Dock - Gangway Material;Dock - Pier Material;Bridge - Vertical Structure Material;Tank Site - Vertical Structure Material;Tower - Vertical Structure Material

Value	Definition (Notes) [Source]
COMPOSITION	Composition
CONCRETE	Concrete
METAL	Metal
ROCK	Rock
STONE_BRICK	Stone/brick
WOOD	Wood

CodeWallMaterial

Used by Attributes: Wall - Surface Material

Value	Definition (Notes) [Source]
CMU	Concrete Masonry Unit
Composite	Composite
Glass Curtain	Glass Curtain
Metal Stud	Metal Stud
Other	Other
Unknown	Unknown
Aluminum	Aluminum
Block	Block
Brick	Brick
Concrete	Concrete
Partition	Partition
Railing	Railing
Steel	Steel
Wallboard	Wallboard
Wood	Wood
Other	Other

CodeZoneType

Used by Attributes: Flood Plain - Zone Type

Value	Definition (Notes) [Source]
10_YEAR	Areas subject to 10 year flooding.
100_YEAR	Areas subject to 100 year flooding.
15_YEAR	Areas subject to 15 year flooding.
25_YEAR	Areas subject to 25 year flooding.
5_YEAR	Areas subject to 5 year flooding.
50_YEAR	Areas subject to 50 year flooding.
500_YEAR	Areas subject to 500 year flooding.
GENERAL	Areas prone to flooding in general.
OTHER	Other
PROJECTED	Areas expected to be subject to flooding in the future.

CodeZoningClass

Used by Attributes: Zoning - Zoning Classification

Value	Definition (Notes) [Source]
COMMERCIAL	Areas which are zoned for merchandising, shopping, or other commercial development. (Source SDSFIE)
INDUSTRIAL	Areas which are zoned for factory, manufacturing, or other industrial development. (Source SDSFIE)
OTHER	Other Zoning
QUASI_PUBLIC	Areas which are zoned public although under private ownership or control. (Source SDSFIE)
RESIDENTIAL	Areas which are zoned for housing or residential development. (Source SDSFIE)

Maryland Aviation Administration

Office of Design & Construction

GEOGRAPHIC INFORMATION SYSTEM DATA STANDARD

Appendix 2 – Cross Reference of CADD and GIS

Version 2.0

July 2013

APPENDIX 2 – Cross Reference of CADD and GIS

This appendix lists each of the CADD layers defined in MAA's CADD Standards Manual, Version 4.0 that are associated with GIS layers defined in this document, as well as the Utilities Supplement. The layers are ordered by category (i.e. Airfield, Airspace, Environmental, etc.) and then by Feature Type (i.e. Air Operations Area, Aircraft Deicing Area, etc.) as the GIS layers were in Appendix 1. Each feature type has one or more CADD layers associated with it. For each CADD layer, the layer name is provided. The first character of the CADD layer names, which indicates the discipline, has been replaced with an asterisk ('*') meaning that multiple discipline codes may apply. Applicable discipline codes for each CADD layers are listed in Appendix 1 of the CADD Standards Manual, but are omitted here. It is important to note that many CADD layers included in the CADD Standards Manual are not relevant for GIS and are therefore excluded from this appendix.

Discipline Designators that Can be Used As Permitted in the CADD Standards Manual to Replace the '*' in the GIS to CADD Layer Crosswalk

Designator	Discipline	Designator	Discipline
A	Architectural	I	Interiors
B	Geotechnical	L	Landscaping
C	Civil	M	Mechanical
E	Electrical	P	Plumbing
F	Fire Protection	S	Structural
G	General	T	Telecommunications
H	Hazardous Materials	V	Surveying/Mapping

GIS to CADD Layer Crosswalk

Category	Feature Class	Geometry	CADD Layer Name
Airfield	AircraftNonMovementArea	Line	*-APRN-ANOM
Airfield	AirfieldLight	Point	*-AFLD-LITE-APPR
Airfield	AirfieldLight	Point	*-AFLD-LITE-DIST
Airfield	AirfieldLight	Point	*-AFLD-LITE-LANE
Airfield	AirfieldLight	Point	*-AFLD-LITE-OBST
Airfield	AirfieldLight	Point	*-AFLD-LITE-RUNW
Airfield	AirfieldLight	Point	*-AFLD-LITE-SIGN
Airfield	AirfieldLight	Point	*-AFLD-LITE-TAXI
Airfield	AirfieldLight	Point	*-AFLD-LITE-THRS
Airfield	AirOperationsArea	Polygon	*-AFLD-AHOA
Airfield	AirportSign	Point	*-APRN-SIGN
Airfield	AirportSign	Point	*-ELEV-SIGN
Airfield	AirportSign	Point	*-FLOR-SIGN
Airfield	AirportSign	Point	*-LITE-DIST
Airfield	AirportSign	Point	*-LITE-SIGN
Airfield	AirportSign	Point	*-PRKG-SIGN
Airfield	AirportSign	Point	*-ROAD-SIGN

Category	Feature Class	Geometry	CADD Layer Name
Airfield	AirportSign	Point	*-RUNW-SIGN
Airfield	AirportSign	Point	*-SIGN-EXTN
Airfield	AirportSign	Point	*-SIGN-FRMG
Airfield	AirportSign	Point	*-SIGN-GAGE
Airfield	AirportSign	Point	*-SIGN-PANL
Airfield	AirportSign	Point	*-SIGN-SPRT
Airfield	AirportSign	Point	*-SPCL-TRAF
Airfield	AirportSign	Point	*-TAXI-SIGN
Airfield	Apron	Polygon	*-APRN-GRND
Airfield	Apron	Polygon	*-APRN-OTLN
Airfield	DeicingArea	Polygon	*-APRN-DEIC
Airfield	FrequencyArea	Polygon	*-AFLD-FREQ
Airfield	MarkingArea	Polygon	*-HELI-IDEN
Airfield	MarkingArea	Polygon	*-HELI-TDZM
Airfield	MarkingArea	Polygon	*-RUNW-CNTR-MRKG
Airfield	MarkingArea	Polygon	*-RUNW-DISP
Airfield	MarkingArea	Polygon	*-RUNW-DIST
Airfield	MarkingArea	Polygon	*-RUNW-IDEN
Airfield	MarkingArea	Polygon	*-RUNW-SIDE
Airfield	MarkingArea	Polygon	*-RUNW-TDZM
Airfield	MarkingArea	Polygon	*-RUNW-THRS
Airfield	MarkingLine	Line	*-APRN-CNTR
Airfield	MarkingLine	Line	*-APRN-HOLD
Airfield	MarkingLine	Line	*-APRN-MRKG
Airfield	MarkingLine	Line	*-APRN-SECU
Airfield	MarkingLine	Line	*-APRN-SHLD
Airfield	MarkingLine	Line	*-APRN-SHLD-MRKG
Airfield	MarkingLine	Line	*-HELI-BLST
Airfield	MarkingLine	Line	*-HELI-CNTR-MARK
Airfield	MarkingLine	Line	*-HELI-DIST
Airfield	MarkingLine	Line	*-HELI-SIDE
Airfield	MarkingLine	Line	*-OVRN-CNTR
Airfield	MarkingLine	Line	*-OVRN-SHLD-MRKG
Airfield	MarkingLine	Line	*-PADS-CNTR
Airfield	MarkingLine	Line	*-PADS-OTLN
Airfield	MarkingLine	Line	*-PVMT-MRKG
Airfield	MarkingLine	Line	*-PVMT-MRKG-WHIT
Airfield	MarkingLine	Line	*-PVMT-MRKG-YELO
Airfield	MarkingLine	Line	*-RUNW-CNTR-MARK

Category	Feature Class	Geometry	CADD Layer Name
Airfield	MarkingLine	Line	*-RUNW-SHLD
Airfield	MarkingLine	Line	*-TAXI-CNTR-MARK
Airfield	MarkingLine	Line	*-TAXI-CNTR-MRKG
Airfield	MarkingLine	Line	*-TAXI-EDGE
Airfield	MarkingLine	Line	*-TAXI-SHLD
Airfield	PassengerLoadingBridge	Polygon	*-APRN-ACPK-BRDG
Airfield	PassengerLoadingBridge	Polygon	*-EQPM-JETB
Airfield	RestrictedAccessBoundary	Line	*-AFLD-SECR-RSTR
Airfield	Runway	Polygon	*-RUNW-EDGE
Airfield	RunwayArrestingArea	Polygon	*-RUNW-ARST
Airfield	RunwayBlastPad	Polygon	*-RUNW-BLST
Airfield	RunwayCenterline	Line	*-RUNW-CNTR
Airfield	RunwayElement	Polygon	*-RUNW-SEGM
Airfield	RunwayEnd	Point	*-RUNW-ENDP
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-BLDR
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-KEYH
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-NMOV
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-OFA_
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-OFZ_
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-POFA
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-RPZ_
Airfield	RunwayHelipadDesignSurface	Polygon	*-AFLD-DSRF-RSA_
Airfield	RunwayHelipadDesignSurface	Polygon	*-HELI-DSRF
Airfield	RunwayHelipadDesignSurface	Polygon	*-OVRN-IDEN
Airfield	RunwayHelipadDesignSurface	Polygon	*-OVRN-OTLN
Airfield	RunwayHelipadDesignSurface	Polygon	*-RUNW-CLRW
Airfield	RunwayLabel	Point	*-RUNW-ENDP-MARK
Airfield	RunwayLAHSO	Line	*-RUNW-LAHS
Airfield	RunwaySafetyAreaBoundary	Polygon	*-RUNW-SAFT
Airfield	Shoulder	Polygon	*-HELI-SHLD
Airfield	Shoulder	Polygon	*-PADS-SHLD
Airfield	Stopway	Polygon	*-RUNW-STWY
Airfield	TaxiwayElement	Polygon	*-TAXI-OTLN
Airfield	TaxiwayHoldingPosition	Line	*-TAXI-HOLD
Airfield	TaxiwayIntersection	Polygon	*-TAXI-INTS
Airfield	TouchdownLiftOff	Polygon	*-HELI-TLOF
Airspace	LandmarkSegment	Line	*-AIRS-LNDM
Airspace	Obstacle	Point	*-AIRS-OBSC
Airspace	Obstacle	Point	*-AIRS-OBST-PPNT

Category	Feature Class	Geometry	CADD Layer Name
Airspace	Obstacle	Point	*-OBST-AIRS
Airspace	ObstructionArea	Polygon	*-AIRS-OBST-LINE
Airspace	ObstructionArea	Polygon	*-AIRS-OBST-POLY
Airspace	ObstructionIdSurface	Polygon	*-AIRS-OTHR
Airspace	ObstructionIdSurface	Polygon	*-AIRS-PART-APRC
Airspace	ObstructionIdSurface	Polygon	*-AIRS-PART-CONL
Airspace	ObstructionIdSurface	Polygon	*-AIRS-PART-HORZ
Airspace	ObstructionIdSurface	Polygon	*-AIRS-PART-PRIM
Airspace	ObstructionIdSurface	Polygon	*-AIRS-PART-TRNS
Airspace	ObstructionIdSurface	Polygon	*-AIRS-TERP
Cadastral	AirportBoundary	Polygon	*-AFLD-PROP
Cadastral	County	Polygon	*-PROP-CNTY
Cadastral	EasementsAndRightsofWay	Polygon	*-PROP-ESMT
Cadastral	EasementsAndRightsofWay	Polygon	*-PROP-RWAY
Cadastral	EasementsAndRightsofWay	Polygon	*-PROP-RWAY-ACQU
Cadastral	FaaRegionArea	Polygon	*-AFLD-FAAR
Cadastral	LandUse	Polygon	*-PROP-LUSE
Cadastral	LandUse	Polygon	*-PROP-LUSE-FUTR
Cadastral	LeaseZone	Polygon	*-PROP-LEAS
Cadastral	Municipality	Polygon	*-PROP-MUNI
Cadastral	Parcel	Polygon	*-PROP-LINE
Cadastral	Parcel	Polygon	*-PROP-QTRS
Cadastral	Parcel	Polygon	*-PROP-SECT
Cadastral	Parcel	Polygon	*-PROP-SXTS
Cadastral	State	Polygon	*-PROP-STAT
Cadastral	Zoning	Polygon	*-PROP-ZONG
Environmental	EnvironmentalContaminationArea	Polygon	*-POLL-CONC
Environmental	EnvironmentalContaminationArea	Polygon	*-POLL-POTN
Environmental	FaunaHazardArea	Polygon	*-BORW-IDEN
Environmental	FaunaHazardArea	Polygon	*-BORW-LINE
Environmental	FaunaHazardArea	Polygon	*-ECCO-BURR
Environmental	FaunaHazardArea	Polygon	*-ECCO-DENS
Environmental	FaunaHazardArea	Polygon	*-ECCO-GATR
Environmental	FaunaHazardArea	Polygon	*-ECCO-HUMK
Environmental	FaunaHazardArea	Polygon	*-ECCO-NEST
Environmental	FaunaHazardArea	Polygon	*-ECCO-PRCH
Environmental	FaunaHazardArea	Polygon	*-SITE-VEGE-HZRD
Environmental	FaunaHazardArea	Polygon	*-TOPO-SPEC
Environmental	FloodZone	Polygon	*-FLHA-025Y

Category	Feature Class	Geometry	CADD Layer Name
Environmental	FloodZone	Polygon	*-FLHA-050Y
Environmental	FloodZone	Polygon	*-FLHA-100Y
Environmental	FloodZone	Polygon	*-FLHA-200Y
Environmental	FloodZone	Polygon	*-FLHA-500Y
Environmental	FloodZone	Polygon	*-FLHA-IDEN
Environmental	FloodZone	Polygon	*-TOPO-FLZN
Environmental	FloraSpeciesSite	Point	*-PLNT-CTNR
Environmental	FloraSpeciesSite	Point	*-PLNT-PLTS
Environmental	FloraSpeciesSite	Point	*-PLNT-TREE
Environmental	FloraSpeciesSite	Point	*-SITE-VEGE-PONT
Environmental	ForestStandArea	Polygon	*-PLNT-BEDS
Environmental	ForestStandArea	Polygon	*-PLNT-BUSH
Environmental	ForestStandArea	Polygon	*-PLNT-BUSH-LINE
Environmental	ForestStandArea	Polygon	*-PLNT-GRND
Environmental	ForestStandArea	Polygon	*-PLNT-MLCH
Environmental	ForestStandArea	Polygon	*-PLNT-SPRG
Environmental	ForestStandArea	Polygon	*-PLNT-TREE-LINE
Environmental	ForestStandArea	Polygon	*-PLNT-TURF
Environmental	ForestStandArea	Polygon	*-SITE-VEGE
Environmental	ForestStandArea	Polygon	*-SITE-VEGE-AREA
Environmental	HazMatStorageSite	Point	*-STOR-HAZM
Environmental	HazMatStorageSite	Point	*-STOR-HAZW
Environmental	NoiseContour	Polygon	*-TOPO-AUZN
Environmental	NoiseIncident	Point	*-TOPO-AUCO
Environmental	NoiseMonitoringPoint	Point	*-TOPO-AUST
Environmental	SampleCollectionPoint	Point	*-BORE-CONE
Environmental	SampleCollectionPoint	Point	*-BORE-GENL-LOCN
Environmental	SampleCollectionPoint	Point	*-BORE-GPRO-LOCN
Environmental	SampleCollectionPoint	Point	*-BORE-HOLE
Environmental	SampleCollectionPoint	Point	*-BORE-LINE
Environmental	SampleCollectionPoint	Point	*-BORE-PUSH
Environmental	SampleCollectionPoint	Point	*-BORE-STRK
Environmental	SampleCollectionPoint	Point	*-BORE-UNDS-LOCN
Environmental	SampleCollectionPoint	Point	*-BORE-VCOR-LOCN
Environmental	SampleCollectionPoint	Point	*-MNST-AIRQ
Environmental	SampleCollectionPoint	Point	*-SAMP-AIRS
Environmental	SampleCollectionPoint	Point	*-SAMP-AUGR
Environmental	SampleCollectionPoint	Point	*-SAMP-BIOL
Environmental	SampleCollectionPoint	Point	*-SAMP-CORE

Category	Feature Class	Geometry	CADD Layer Name
Environmental	SampleCollectionPoint	Point	*-SAMP-DRVE
Environmental	SampleCollectionPoint	Point	*-SAMP-GRAB
Environmental	SampleCollectionPoint	Point	*-SAMP-GWTR
Environmental	SampleCollectionPoint	Point	*-SAMP-IDEN
Environmental	SampleCollectionPoint	Point	*-SAMP-MAGN
Environmental	SampleCollectionPoint	Point	*-SAMP-PERC
Environmental	SampleCollectionPoint	Point	*-SAMP-PITS
Environmental	SampleCollectionPoint	Point	*-SAMP-SEDI
Environmental	SampleCollectionPoint	Point	*-SAMP-SOIL
Environmental	SampleCollectionPoint	Point	*-SAMP-SOLI
Environmental	SampleCollectionPoint	Point	*-SAMP-SWTR
Environmental	SampleCollectionPoint	Point	*-SAMP-VERT
Environmental	SampleCollectionPoint	Point	*-SAMP-WASH
Environmental	SampleCollectionPoint	Point	*-SAMP-WAST
Environmental	SampleCollectionPoint	Point	*-TOPO-BORE
Environmental	SampleCollectionPoint	Point	*-WELL-ASR~
Environmental	SampleCollectionPoint	Point	*-WELL-MONT
Environmental	SampleCollectionPoint	Point	*-WELL-PIZO
Environmental	Shoreline	Polygon	*-CHAN-BANK-TOP~
Environmental	Shoreline	Polygon	*-CHAN-DACL
Environmental	Shoreline	Polygon	*-CHAN-DACL-IDEN
Environmental	Shoreline	Polygon	*-CHAN-LIMT
Environmental	Shoreline	Polygon	*-CHAN-LIMT-IDEN
Environmental	Shoreline	Polygon	*-DRED-OHWM
Environmental	Shoreline	Polygon	*-MNST-GWTR
Environmental	Shoreline	Polygon	*-MNST-SWTR
Environmental	Shoreline	Polygon	*-RIVR-BANK-TOP~
Environmental	Shoreline	Polygon	*-RIVR-EDGE
Environmental	Shoreline	Polygon	*-SITE-EWAT
Environmental	Shoreline	Polygon	*-SITE-WATR
Environmental	Shoreline	Polygon	*-TOPO-SHOR
Environmental	Shoreline	Polygon	*-TOPO-WATR
Environmental	Wetland	Polygon	*-TOPO-WETL
Environmental	Wetland	Polygon	*-WETL-BOGS
Environmental	Wetland	Polygon	*-WETL-FENS
Environmental	Wetland	Polygon	*-WETL-MRSH
Environmental	Wetland	Polygon	*-WETL-MRSH-SALT
Environmental	Wetland	Polygon	*-WETL-MRSH-TIDL
Environmental	Wetland	Polygon	*-WETL-PCSN

Category	Feature Class	Geometry	CADD Layer Name
Environmental	Wetland	Polygon	*-WETL-PHOL
Environmental	Wetland	Polygon	*-WETL-RPRN
Environmental	Wetland	Polygon	*-WETL-SLGH
Environmental	Wetland	Polygon	*-WETL-SWMP
Geodetic	AirportControlPoint	Point	*-CTRL-BMRK
Geodetic	AirportControlPoint	Point	*-CTRL-HCPT
Geodetic	AirportControlPoint	Point	*-CTRL-HVPT
Geodetic	AirportControlPoint	Point	*-CTRL-TRAV
Geodetic	AirportControlPoint	Point	*-CTRL-VCPT
Geodetic	AirportControlPoint	Point	*-SURV-DATA
Geodetic	AirportControlPoint	Point	*-TOPO-RNYE
Geodetic	AirportControlPoint	Point	*-TOPO-SPOT
Geodetic	AirportControlPoint	Point	*-TOPO-SPOT-BLDG
Geodetic	CoordinateGridCell	Polygon	*-CTRL-GRID
Geodetic	CoordinateGridCell	Polygon	*-DETL-GRPH
Geodetic	CoordinateGridCell	Polygon	*-GRID-COOR
Geodetic	CoordinateGridCell	Polygon	*-GRID-COOR-IDEN
Geodetic	CoordinateGridCell	Polygon	*-GRID-EXTR
Geodetic	CoordinateGridCell	Polygon	*-GRID-FRAM
Geodetic	CoordinateGridCell	Polygon	*-GRID-HORZ
Geodetic	CoordinateGridCell	Polygon	*-GRID-IDEN
Geodetic	CoordinateGridCell	Polygon	*-GRID-INTR
Geodetic	CoordinateGridCell	Polygon	*-GRID-MAJR
Geodetic	CoordinateGridCell	Polygon	*-GRID-MINR
Geodetic	CoordinateGridCell	Polygon	*-GRID-VERT
Geodetic	CoordinateGridCell	Polygon	*-PROJ-LALO-COOR
Geodetic	CoordinateGridCell	Polygon	*-PROJ-STAT-COOR
Geodetic	CoordinateGridCell	Polygon	*-TOPO-COOR
Geodetic	CoordinateGridCell	Polygon	*-TOPO-COOR-LALO
Geodetic	CoordinateGridCell	Polygon	*-TOPO-COOR-STAT
Geodetic	ElevationContour	Line	*-GRAD-AFTR
Geodetic	ElevationContour	Line	*-GRAD-EXST
Geodetic	ElevationContour	Line	*-GRAD-EXST-BASE
Geodetic	ElevationContour	Line	*-GRAD-EXST-SYR1
Geodetic	ElevationContour	Line	*-GRAD-EXST-SYR2
Geodetic	ElevationContour	Line	*-GRAD-EXST-SYR3
Geodetic	ElevationContour	Line	*-GRAD-EXST-SYR4
Geodetic	ElevationContour	Line	*-GRAD-FNSH
Geodetic	ElevationContour	Line	*-GRAD-PRED

Category	Feature Class	Geometry	CADD Layer Name
Geodetic	ElevationContour	Line	*-GRAD-SCLN
Geodetic	ElevationContour	Line	*-TOPO-BKLN
Geodetic	ElevationContour	Line	*-TOPO-DTMP
Geodetic	ElevationContour	Line	*-TOPO-DTMT
Geodetic	ElevationContour	Line	*-TOPO-MAJR
Geodetic	ElevationContour	Line	*-TOPO-MAJR-IDEN
Geodetic	ElevationContour	Line	*-TOPO-MINR
Geodetic	ElevationContour	Line	*-TOPO-MINR-IDEN
Geodetic	ElevationContour	Line	*-TOPO-MINR-ONEF
Geodetic	ElevationContour	Line	*-TOPO-MINR-TWOF
Geodetic	ElevationContour	Line	*-TOPO-SLOP-FILL
Geodetic	ElevationContour	Line	*-TOPO-SLOP-IDEN
Geodetic	ElevationContour	Line	*-TOPO-SLOP-TOPT
Geodetic	ElevationContour	Line	*-TOPO-SOUN
Geodetic	ElevationContour	Line	*-WATR-SURF
Geodetic	ImageArea	Polygon	*-AERI-BNDY
Geodetic	ImageArea	Polygon	*-AERI-PHOT
Geodetic	ImageArea	Polygon	*-AERI-PNPT
Geodetic	ImageArea	Polygon	*-IMAG-BDRY-QUAD
Interior	BaggageCarousel	Polygon	*-BAGS-CARR
Interior	BaggageConveyor	Polygon	*-BAGS-CVRI
Interior	BaggageConveyor	Polygon	*-BAGS-CVRO
Interior	BuildingColumn	Polygon	*-COLS-CNTR
Interior	BuildingColumn	Polygon	*-COLS-ENCL
Interior	BuildingColumn	Polygon	*-COLS-POST
Interior	BuildingColumn	Polygon	*-COLS-PRIM
Interior	BuildingColumn	Polygon	*-COLS-RBAR
Interior	BuildingColumn	Polygon	*-COLS-SECD
Interior	BuildingColumn	Polygon	*-FNDN-FTNG
Interior	BuildingColumn	Polygon	*-FNDN-PEDS
Interior	BuildingColumn	Polygon	*-FNDN-PILE
Interior	Door	Line	*-ALRM-EQPM-SECU
Interior	Door	Line	*-DOOR-FULL
Interior	Door	Line	*-DOOR-PRHT
Interior	Door	Line	*-DOOR-SECR
Interior	Door	Line	*-HVAC-ACCS
Interior	Door	Line	*-OTLN-OPNG
Interior	Elevator	Polygon	*-ACCS-EVTR
Interior	Elevator	Polygon	*-FLOR-EVTR

Category	Feature Class	Geometry	CADD Layer Name
Interior	Escalator	Polygon	*-FLOR-ECSL
Interior	Floor	Polygon	*-FLOR-LEVL
Interior	Floor	Polygon	*-FLOR-OTLN
Interior	Floor	Polygon	*-OTLN-FLOR
Interior	Floor	Polygon	*-OTLN-ROOF
Interior	Furnishing	Point	*-FURN-ACCS
Interior	Furnishing	Point	*-FURN-ADPC
Interior	Furnishing	Point	*-FURN-ARTW
Interior	Furnishing	Point	*-FURN-FLOR
Interior	Furnishing	Point	*-FURN-FREE
Interior	Furnishing	Point	*-FURN-GRID
Interior	Furnishing	Point	*-FURN-IDEN
Interior	Furnishing	Point	*-FURN-PLNT
Interior	Furnishing	Point	*-FURN-SEAT
Interior	Furnishing	Point	*-FURN-STOR
Interior	MovingSidewalk	Polygon	*-FLOR-MWLK
Interior	Room	Polygon	*-FLOR-OTLN-RPRM
Interior	Space	Polygon	*-FLOR-SPCE
Interior	Stair	Polygon	*-ACCS-STRS
Interior	Stair	Polygon	*-ACCS-STRS-FRMG
Interior	Stair	Polygon	*-FLOR-HRAL
Interior	Stair	Polygon	*-FLOR-STRS
Interior	Stair	Polygon	*-SITE-STRS
Interior	Wall	Line	*-FNDN-ANCH
Interior	Wall	Line	*-FNDN-CNTR
Interior	Wall	Line	*-FNDN-GRBM
Interior	Wall	Line	*-PENE-WALL
Interior	Wall	Line	*-WALL-ABUT
Interior	Wall	Line	*-WALL-CAVI
Interior	Wall	Line	*-WALL-CELL
Interior	Wall	Line	*-WALL-CNTR
Interior	Wall	Line	*-WALL-COFF
Interior	Wall	Line	*-WALL-CURT
Interior	Wall	Line	*-WALL-CWMG
Interior	Wall	Line	*-WALL-FULL
Interior	Wall	Line	*-WALL-FULL-EXTR
Interior	Wall	Line	*-WALL-FULL-INTR
Interior	Wall	Line	*-WALL-GARD
Interior	Wall	Line	*-WALL-HEAD

Category	Feature Class	Geometry	CADD Layer Name
Interior	Wall	Line	*-WALL-JAMB
Interior	Wall	Line	*-WALL-LOAD
Interior	Wall	Line	*-WALL-MONO
Interior	Wall	Line	*-WALL-MOVE
Interior	Wall	Line	*-WALL-MSE~
Interior	Wall	Line	*-WALL-NONL
Interior	Wall	Line	*-WALL-OPEN-LVRS
Interior	Wall	Line	*-WALL-PCST
Interior	Wall	Line	*-WALL-PRHT
Interior	Wall	Line	*-WALL-RBAR
Interior	Wall	Line	*-WALL-RTWL
Interior	Wall	Line	*-WALL-SHEA
Interior	Wall	Line	*-WALL-SPCL
Interior	Wall	Line	*-WALL-STUD
Interior	Window	Line	*-GLAZ-FULL
Interior	Window	Line	*-GLAZ-PRHT
Interior	Window	Line	*-GLAZ-SILL
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-COMM
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-CRIT
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-GPS_
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-ILS_
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-MCWV
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-OTHR
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-RADI
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-RADR
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-RMTE
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-SITE
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-SYST
Navigational Aids	NavaidEquipment	Point	*-AFLD-AIDS-WTHR
Navigational Aids	NavaidEquipment	Point	*-AFLD-BCNS-IDEN
Navigational Aids	NavaidEquipment	Point	*-AFLD-BCNS-MISC
Navigational Aids	NavaidEquipment	Point	*-AFLD-BCNS-STRB
SeaPlane	NavigationBuoy	Point	*-SEAP-BUOY
SeaPlane	NavigationBuoy	Point	*-SIGN-BUOY
SeaPlane	SeaplaneRampCenterline	Line	*-SEAP-RAMP-CNTR
SeaPlane	SeaplaneRampSite	Polygon	*-SEAP-RAMP
Security	SecurityArea	Polygon	*-AFLD-SECR-SECA
Security	SecurityIdDisplayArea	Polygon	*-AFLD-SECR-SIDA
Security	SterileArea	Polygon	*-AFLD-SECR-STER

Category	Feature Class	Geometry	CADD Layer Name
Security	SurveillanceCamera	Point	*-CCTV-EQPM
Structures	Building	Polygon	*-BLDG-DECK
Structures	Building	Polygon	*-BLDG-DOCK
Structures	Building	Polygon	*-BLDG-OTLN
Structures	Building	Polygon	*-BLDG-OVHD
Structures	Building	Polygon	*-BLDG-PRCH
Structures	Building	Polygon	*-DECK-FLOR
Structures	Building	Polygon	*-DECK-ROOF
Structures	Building	Polygon	*-ELEV-OTLN
Structures	Building	Polygon	*-EXST-BLDG
Structures	Building	Polygon	*-OTLN-BLDG
Structures	Building	Polygon	*-OTLN-STRC
Structures	Building	Polygon	*-PLAN-OTLN
Structures	ConstructionArea	Polygon	*-PROP-CONS
Structures	ConstructionArea	Polygon	*-SITE-OTLN
Structures	Fence	Line	*-DETL-FENC-SECU
Structures	Fence	Line	*-SAFE-FENC
Structures	Fence	Line	*-SITE-FENC
Structures	Gate	Line	*-DETL-GATE
Structures	Gate	Line	*-GATE-AXIS
Structures	Gate	Line	*-GATE-MISC
Structures	Gate	Line	*-SITE-GATE
Structures	Tower	Point	*-STRC-TOWR
Surface Transportation	Bridge	Polygon	*-BRDG-BEAR
Surface Transportation	Bridge	Polygon	*-BRDG-CNTR
Surface Transportation	Bridge	Polygon	*-BRDG-DECK
Surface Transportation	Bridge	Polygon	*-BRDG-OTLN
Surface Transportation	Bridge	Polygon	*-MATL-CRAN
Surface Transportation	Bridge	Polygon	*-RAIL-BRDG
Surface Transportation	Bridge	Polygon	*-SITE-BRDG
Surface Transportation	Bridge	Polygon	*-SITE-STRC
Surface Transportation	DrivewayArea	Polygon	*-ROAD-DRIV
Surface Transportation	DrivewayCenterline	Line	*-ROAD-DRIV-CNTR
Surface Transportation	ParkingLot	Polygon	*-PRKG-OTLN
Surface Transportation	RailroadCenterline	Line	*-RAIL-BRDG-CNTR
Surface Transportation	RailroadCenterline	Line	*-RAIL-CNTR
Surface Transportation	RailroadCenterline	Line	*-RAIL-TRAK
Surface Transportation	RailroadYard	Polygon	*-RAIL-YARD
Surface Transportation	RoadCenterline	Line	*-ROAD-CNTR

Category	Feature Class	Geometry	CADD Layer Name
Surface Transportation	RoadPoint	Point	*-ROAD-POIN
Surface Transportation	RoadSegment	Polygon	*-ROAD-ASPH
Surface Transportation	RoadSegment	Polygon	*-ROAD-CONC
Surface Transportation	RoadSegment	Polygon	*-ROAD-CURB
Surface Transportation	RoadSegment	Polygon	*-ROAD-GRVL
Surface Transportation	RoadSegment	Polygon	*-ROAD-OTLN
Surface Transportation	RoadSegment	Polygon	*-ROAD-SHLD
Surface Transportation	RoadSegment	Polygon	*-ROAD-UPVD
Surface Transportation	Sidewalk	Polygon	*-BRDG-CURB
Surface Transportation	Sidewalk	Polygon	*-GATE-WALK
Surface Transportation	Sidewalk	Polygon	*-SITE-WALK
Surface Transportation	Tunnel	Polygon	*-ACCS-TUNL
Surface Transportation	Tunnel	Polygon	*-FNDN-TUNL
Surface Transportation	Tunnel	Polygon	*-SITE-TUNL

Maryland Aviation Administration

Office of Design & Construction

GEOGRAPHIC INFORMATION SYSTEM DATA STANDARD

Appendix 3 – Utilities Supplement

Version 2.0

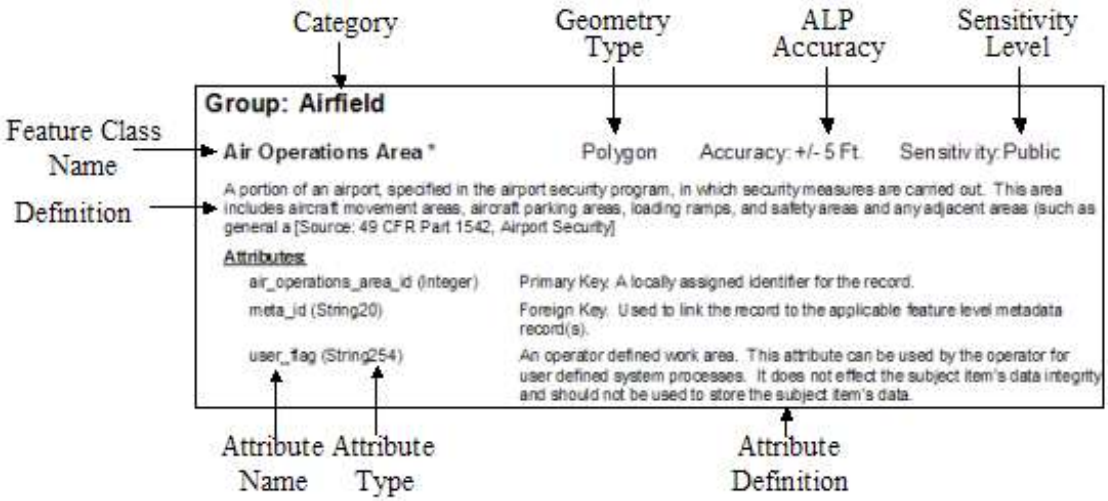
July 2013

Geographic Information System
Data Standard
Utilities Supplement
For the Maryland Aviation Administration
Version 2.0, July 2013

This document defines communications and utilities feature classes that are included in MAA's Geographic Information System (GIS) Data Standard. This document is a supplement to the MAA Geographic Information System Data Standard and should be used by anyone developing or checking GIS data for MAA that includes communications or utility features. This document is related to the content included in the Geographic Information System Data Standard and should only be used in conjunction with that document.

This Utilities Supplement contains a list of 271 GIS Feature Types. The Feature Types are grouped into categories (i.e., General, Electrical, Communications, etc.) for ease of use. For each Feature Type, the class name, geometry type, sensitivity level, and a definition are provided. Suggested accuracies are also provided. Accuracies are indicated at a reasonable level that will meet a broad range of end user requirements. Individual project scopes, technical limitations and other factors may require data to be of a higher or lower level of accuracy. Attributes are also provided along with their type and definition. The following figure provides a key to the information provided in this supplement.

Figure 1 - Legend



At the end of this document is a list of acceptable domain values for each attribute domain list.

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Following is a table of contents of the feature type definitions in the Utilities Supplement. For ease in referencing, the 271 feature types defined are subdivided into 13 categories.

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AIR : DRAIN SEPARATOR 17

AIR : FITTING 17

AIR : PIPE LINE 18

AIR : TANK AREA 19

AIR : VALVE 20

AIR : VALVE PIT 21

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COMMUNICATIONS : CABLE BRIDGE LINE 30

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COMMUNICATIONS : CABLE TRAY LINE 32

COMMUNICATIONS : CABLE TROUGH LINE 33

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Data Set: Air

Air : Drain Separator

(Database Feature Class Name = CompressedAirDrainSeparator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

This table contains information about compressed air drain separators. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Air : Fitting

(Database Feature Class Name = CompressedAirFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying compressed air. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

fittyp (CodeCompAirFitting)	Discriminator. The type of fitting used for the compressed air unit.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Air : Pipe Line

(Database Feature Class Name = CompressedAirPipeLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry compressed air from location to location [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

length (Double)	The overall length of the feature.[Center].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground air line pipe.[Air Force].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
cblMaterial (CodeElectricCable)	Cable material.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
size (CodePipeDiameter)	The size of the pipe
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Air : Tank Area

(Database Feature Class Name = CompressedAirTankArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An area of physical boundary encompassing one or more tanks.

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

color (CodeColor)	The color of the compressed air tank.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
tankCapacity (Integer)	The capacity of the tank.
tankSt (CodeStyleTank)	This value differentiates similar entities by use or type.
tankUse (CodeTankUse)	The particular kind or use of the industrial waste water tank.
topElevation (Double)	The top elevation of the tank.
verticalStructureMaterial (String16)	The vertical structure material.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Air : Valve

(Database Feature Class Name = CompressedAirValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device to control flow through a compressed air line. [SDSFIE REEGIS].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Air : Valve Pit

(Database Feature Class Name = CompressedAirValvePit)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A below grade chamber, too small to enter, containing one or more valves that control the flow of compressed air. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Communications

Communications : Access Coverage Area

(Database Feature Class Name = CommAccessCoverageArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

The nominal coverage area for a wireless local area network (WLAN) access point. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

avgss (Double)	Average Signal Strength for coverage area.[AIR FORCE].
maxsnr (Double)	Maximum Signal to Noise Ratio (dbm) for coverage area.[AIR FORCE].
minsnr (Double)	Minimum Signal to Noise Ratio (dbm) for coverage area.[AIR FORCE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
maxdr (Double)	Maximum Data Rate for the coverage area.[AIR FORCE].
mindr (Double)	Minimum Data Rate for the coverage area.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Access Point

(Database Feature Class Name = CommAccessPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An access point is a station that transmits and receives data in a wireless local area network (WLAN). [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	The local name of the Access Point.[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].

Attributes:

encProt (CodeCryptographyProtocol)	Protocol used to provide encryption for the access point (WEP, WPA, etc.).[AIR FORCE].
antType (CodeCommAntenna)	The type of communications antenna used.[AIR FORCE].
pomx (String16)	The Access Point designator as defined in the POMX Site Survey Report.[AIR FORCE].
ids (CodeBoolean)	A boolean indicating whether the WLAN AP has an Intrusion Detection System (IDS).[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
antennaLocation (CodeBoolean)	A boolean indicating whether the antenna is located inside a building.[AIR FORCE].
ssid (String50)	The service set identification of the device.[AIR FORCE].
mac (String20)	The MAC address of the device.[AIR FORCE].
numSens (Integer)	The number of sensors used for the Intrusion Detection System (IDS).[AIR FORCE].
standard (String16)	IEEE wireless standard used (i.e. 802.11a, b, g, etc.).[AIR FORCE].
channel (Integer)	Channel number utilized.[AIR FORCE].
gain (Double)	The measure of signal amplification.[AIR FORCE].
height (Double)	Antenna height above ground level.[AIR FORCE].
elevation (Double)	The height of the antenna as measured from a reference point or from sea level.[AIR FORCE].
radiationPattern (CodeAntRadPattern)	The radiation pattern of the antenna.[AIR FORCE].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Air Pipe

(Database Feature Class Name = CommAirLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe which conveys pressurized air to a pressurized telephone cable system [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pipeLength (Double)	A measurement of the longer of two linear axes.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
groundElevation1 (Double)	The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
groundElevation2 (Double)	The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
pressMax (Double)	The manufacturers or industry standards maximum pressure rating of the subject item.
pressNorm (Double)	The manufacturers or industry standards normal pressure rating of the subject item.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Air Pressure Device

(Database Feature Class Name = CommAirPressureDevice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any device which supports a cable pressurization system, for example valves, compressors, pressure transducers, air dryers, and pressure mete. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String16)	The manufacturers serial, or unique identification number of the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

airpType (CodeAirPressureDeviceType)	The type of air pressure device.[Austin and Pitts].
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from list or entered from field inspections.
featureUse (CodeValveType)	The site specific use of the valve.
devSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
devSize (Double)	The manufacturers nominal size designation.
deviceElevation (Double)	The elevation measured at centerline of the valve, in feet (English Units) or meters (SI Units) above some datum.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
placement (CodePlacementOfAirPreType)	Indicates the placement of the device.[AIR FORCE].
description (String255)	A description of the feature.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Amplifier

(Database Feature Class Name = CommAmplifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any electronic device intended to boost the power or amplify the signal associated with a communications system. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].

Attributes:

gain (Double)	The measure of signal amplification.[Tinker Air Force Base].
bandwidth (Double)	The difference between the highest and lowest frequencies that an amplifier can pass.[Tinker Air Force Base].
power (Double)	The amplifier power.[Tinker Air Force Base].
ampType (CodeAmplifierType)	Discriminator - Amplifier type[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
inSigLvl (Double)	The amount of the input signal to the amplifier.[Tinker Air Force Base].
outsigLvl (Double)	The output level of the signal.[Tinker Air Force Base].
impedIn (Double)	The input impedance of the amplifier[Tinker Air Force Base].
impedOut (Double)	The output impedance of the amplifier.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Antenna Site

(Database Feature Class Name = CommAntenna)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of a communications antenna. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
corpName (String80)	Name of station corporation.[HSIP].

Attributes:

length (Double)	A measurement of the longer of two linear axes.
diameter (Double)	The width of a cylindrical or circular antenna.[Tinker Air Force Base].
antType (CodeCommAntenna)	Discriminator. The type of communications antenna.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
azimuth (Double)	The angle of horizontal deviation.
bandwidth (Double)	The difference between the highest and lowest frequencies that an antenna can pass.[Tinker Air Force Base].
elevation (Double)	The height of the antenna as measured from a reference point or from sea level.[Tinker Air Force Base].
gain (Double)	The measure of signal amplification.[Tinker Air Force Base].
txPower (Double)	The transmission power rating of the antenna.[Tinker Air Force Base].
txFreq (Double)	The transmission frequency of the antenna.[Tinker Air Force Base].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
antUse (CodeCommAntennaUsageType)	The usage of communications antenna.[AIR FORCE].
beamwdthE (Integer)	The measurement of vertical beamwidth at half power.[Tinker Air Force Base].
beamwdthH (Integer)	The measurement of horizontal beamwidth at half power.[Tinker Air Force Base].
eqFpArea (Double)	The surface area used for calculating wind loading for tower design.[Tinker Air Force Base].
freqRngH (Double)	The highest frequency antenna is designed to pass.[Tinker Air Force Base].
rxFreq (Double)	The receiving frequency of the antenna.[Tinker Air Force Base].
freqRngL (Double)	The lowest frequency antenna is designed to pass.[Tinker Air Force Base].
ftbRatio (Integer)	The isolation provided by directional antennas away from the beam.[HSIP].
height (Double)	The overall height of an antenna unit - base to top.[HSIP].
maxWind (Integer)	The maximum wind speed antenna is designed to withstand.[HSIP].
polarizatn (Integer)	The rf polarization provided by antenna (as installed).[Tinker Air Force Base].
rdomeDiameter (Double)	The radome diameter.[Tinker Air Force Base].
vswr (Integer)	The maximum voltage that the Standing Wave Ratio antenna will operate at over range.[Tinker Air Force Base].
weight (Integer)	The weight of the antenna unit for use in tower loading calculations.[Tinker Air Force Base].
polrType (CodeAntennaPolarization)	Polarization type.[AIR FORCE].
aboveGroundLevel (Double)	Antenna height above ground level.[AIR FORCE].
tilt (Double)	Antenna tilt angle for dish and parabolic antennas.[AIR FORCE].
peakpower (Double)	The peak amount of power the antenna can withstand.[AIR FORCE].
avgpwr (Double)	Average power rating for this antenna.[AIR FORCE].
radiationPattern (CodeAntRadPattern)	The radiation pattern of the antenna.[AIR FORCE].
connType (CodeCableConnectorType)	The type of RF connector presented on the antenna.[AIR FORCE].
description (String255)	A description of the feature.
size (Integer)	The size of the subject item
impedance (Double)	The impedance of antenna for cable matching (in Ohms) apparent opposition in an electrical circuit to the flow of an alternating current. Analogous to the actual electrical resistance to a direct current. It is the ratio of effective electromotive force t[HSIP].
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this

	feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Antenna Line

(Database Feature Class Name = CommAntennaLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Any device or wire which is intended to transmit or receive electromagnetic impulses to or from air or space. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cblMaterial (CodeElectricCable)	The material of the cable.
cblSize (CodeCableDimension)	The size of the cable.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Attenuator

(Database Feature Class Name = CommAttenuator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device for reducing the amplitude of an electrical signal without appreciable distortion [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
attnType (CodeAmplifierType)	The type of attenuator.[Tinker Air Force Base].
loss (Double)	The amount of signal loss of the attenuator.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
bandwidth (Double)	The difference between the highest and lowest frequencies that an attenuator can pass.[Tinker Air Force Base].
inSigLvl (Double)	The amplitude of the input signal.[Tinker Air Force Base].
outsigLvl (Double)	The amplitude of the output signal.[Tinker Air Force Base].
impedIn (Double)	The input impedance of the attenuator.[Tinker Air Force Base].
impedOut (Double)	The output impedance of the attenuator.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Cable Bridge Line

(Database Feature Class Name = CommCableBridgeLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A structure used for the horizontal conveyance of A communications cable that allows passage over or under an obstacle such as a river, chasm, mountain, road or railroad. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (CodeEnclosureMaterials)	The material of the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Cable Ladder

(Database Feature Class Name = CommCableLadder)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A ladder type structure used to support the vertical conveyance of communications cable. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].

Attributes:

height (Double)	The height of the cable ladder measured from the ground surface to the top.[Tinker Air Force Base].
width (Double)	A measurement of the shorter of two linear axes.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Cable Rack Line

(Database Feature Class Name = CommCableRackLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A ladder type structure used to support the horizontal conveyance of communications cable. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the

	utility asset.[Adopted from SDSFIE].
material (CodeEnclosureMaterials)	The material composition of the cable way.[AIR FORCE].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Cable Tray Line

(Database Feature Class Name = CommCableTrayLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

An elevated structure enclosed on the bottom and sides usually fabricated from sheet metal which is used to support the horizontal conveyance of communications cable. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
Attributes:	
width (Double)	A measurement of the shorter of two linear axes.[Tinker Air Force Base].
cawType (CodeCableWayType)	The type of cable way.[Tinker Air Force Base].
material (CodeEnclosureMaterials)	The material composition of the cable way.[AIR FORCE].
height (Double)	The height of the cable way measured from the ground surface to the top.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
length (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Cable Trough Line

(Database Feature Class Name = CommCableTroughLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A trench along the ground used for the horizontal conveyance of communications cables. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
material (CodeSurfaceComposition)	The material composition of the cable trough line.[Tinker Air Force Base].
width (Double)	A measurement of the shorter of the two linear axes of the cable trough line.[Tinker Air Force Base].
length (Double)	A measurement of the longer of the two linear axes.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Coaxial Line

(Database Feature Class Name = CommCoaxialLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

a transmission line that consists of a tube of electrically conducting material surrounding a central conductor held in place by insulators that is used to transmit telegraph, telephone, and television signals of high frequency [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	Any commonly used name for the cable.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

noConduct (Integer)	The number of conductors within the coaxial cable.[Tinker Air Force Base].
cabUse (CodeCableUse)	Discriminator - The overall use of the coaxial cable.
cabNo (String16)	The alphanumeric string assigned to the cable.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cabElev (CodeCableElevation)	The vertical location of the cable.[Tinker Air Force Base].
cblMaterial (CodeElectricCable)	The material composition of the cable.[Tinker Air Force Base].
riverMile (Double)	The reference of the river mile associated with the cable.[REEGIS].
verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[Tinker Air Force Base].
frequency (Double)	The number of cycles per unit time of the current in the coaxial cable.[Tinker Air Force Base].
cabOffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
installType (CodeCableInstallationType)	The installation type code for cables.[Austin and Pitts].
chlSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
cblLength (Double)	The length dimension of the cable.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
description (String255)	Any brief description of the feature.[Tinker Air Force Base].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to alternating current within an electrical circuit.[Tinker Air Force Base].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : DbSplice

(Database Feature Class Name = CommDbsplice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A enclosed structure that represents a splice case (aerial or buried). [SDSFIE Air Force].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	The standard identifier name (i.e. MH-19).[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
dateInstalled (Date)	The date on which the feature was originally installed.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
ecsType (CodeSpliceCaseEncapsulate)	The type of encapsulate used.[AIR FORCE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.[AIR FORCE].
casType (CodeSpliceCaseTyp)	Used to describe the type of splice case.[AIR FORCE].
casMaterial (CodeSpliceCaseMat)	Used to describe the material composition of the splice case.[AIR FORCE].
size (Integer)	The size of the subject item
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Device

(Database Feature Class Name = CommDevice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A communications system component that lies within the signal transmission path and modifies the transmission characteristics of the media. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
devName (String30)	Any commonly used name for the device.[Tinker Air Force Base].
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
Attributes:	
dgtlIn (Integer)	The total number of digital-in ports on the device.
dgtlOt (Integer)	The total number of digital-out ports on the device.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noPairlnk (Integer)	The number of cables attached to the device.
readout (CodeDisplayType)	The type of display or readout for the device.
anlgIn (Integer)	The total number of analog-in ports on the device.
anlgOt (Integer)	The total number of analog-out ports on the device.
description (String255)	A description of the feature[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
impedance (Double)	The apparent opposition in an electrical circuit to the flow of an alternating current. Analogous to the actual electrical resistance to a direct current. It is the ratio of effective electromotive force to the effective current.[Tinker Air Force Base].
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Ductbank

(Database Feature Class Name = CommDuctbank)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

One or more duct routed in parallel between two nodes [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

noDucts (Integer)	The total number of ducts in the ductbank.
noDuHigh (Integer)	The number of ducts in the y-direction
noDuWide (Integer)	The number of ducts in the x-direction
noSpares (Integer)	The total number of ducts not used in the ductbank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
dbkSize (Double)	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
dblLength (Double)	The total length of the ductbank from source to load. Manholes and pullboxes should not break the measurement.
concEnc (CodeBoolean)	A Boolean indicating whether the ductbank is encased in concrete.[Tinker Air Force Base].
diameter (Double)	Diameter (if round).[AIR FORCE].
width (Double)	Width of horizontal cross section.[AIR FORCE].
height (Double)	Height.[AIR FORCE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.
ductMat (CodePipeMaterial)	The material of the duct.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Marker

(Database Feature Class Name = CommElectronicMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Device that aids location of buried communications equipment or pathways. [SDSFIE NGA/NIMA].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
passve (CodeBoolean)	Is it a passive device? (Y/N).[AIR FORCE].
elmpur (CodeElectronicMarkerPurpose)	Purpose of this marker.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
type (String16)	Discriminator - The type of marker.[AIR FORCE].
meterType (CodeDisplayType)	The meter type.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Equipment

(Database Feature Class Name = CommEquipment)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A generic piece of communications equipment, that has not otherwise been defined with the communications equipment entity class. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
eqpName (String60)	The name or type of the equipment.[Tinker Air Force Base].
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
stdsyName (String50)	The standard system name.[Air Force].
bLanName (String50)	The domain name.[Air Force].
runwayDesignator (String50)	The name of the runway.[Air Force].

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
portNum (String50)	The port identifier corresponding to port's location on the device(slot/card/port).[Air Force].
portVlan (String50)	The VLAN(s) port is assigned to.[Air Force].
ncc (CodeBoolean)	A boolean indicating whether it is under The Network Control Center control (Y = YES or N = NO)?[Air Force].
coeqpinid (String20)	The identifying number of the input equipment.[Air Force].
installDate (Date)	The date of the Installation. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[Air Force].
secFac (String50)	The secondary facility name.[Air Force].
priFacNa (String30)	The primary facility name.[Air Force].
platform (String50)	The processor class.[Air Force].
priFacNo (String20)	The primary facility number.[Air Force].
contrid (Integer)	The access control system for this portal.[Air Force].
equipmentType (CodeEquipmentType)	The different types of equipment.[Air Force].
barCode (String50)	The IPMS Bar Code.[Air Force].
bandwidth (Double)	The bandwidth of network adapter.[Air Force].
mediaType (CodeMediaType)	The different types of media.[Air Force].
antUse (CodeCommAntennaUsageType)	The different usages of communications antenna.[Air Force].
autoSys (String20)	The Automation System.[Air Force].
cardPorts (Integer)	The total ports used/available on card.[Air Force].
porDuplex (String50)	The transmission duplex of the port.[Air Force].
portLoc (String50)	The location of the portal.[Air Force].
cardType (String50)	The model/version of card.[Air Force].
crdNoUse (Integer)	The total number of expansion slots in chassis in use.[Air Force].
ifMac (String50)	The MAC Address of interface.[Air Force].
probDescription (String255)	The identifier of processor.[Air Force].
devClass (String50)	The class of device.[Air Force].
devMac (String50)	The MAC Address of device.[Air Force].
devIp (String50)	The IP Address of device.[Air Force].
osVer (String50)	The software version/I.O.S. of device.[Air Force].
dateInstalled (Date)	The date on which the feature was originally installed.

cameraNo (Integer)	The number of cameras on the switch.[Air Force].
monitorNumber (Integer)	The number of monitors on the switch.[Air Force].
keybordNo (Integer)	The number of keyboards on the switch.[Air Force].
maxCamNo (Integer)	The maximum number of cameras switch can have.[Air Force].
maxMonNo (Integer)	The maximum of monitors switch can have.[Air Force].
maxKeyNo (Integer)	The maximum number of keyboards a switch can have.[Air Force].
numSens (Integer)	The number of sensors on an annunciator.[Air Force].
maxSenNo (Integer)	The maximum number of sensors annunciator you can have.[Air Force].
intVid (CodeBoolean)	A boolean indicating of it is integrated w/a video switch (Y = YES and N = NO)?[Air Force].
cblType (CodeCableType)	The type of cable.[Air Force].
onlncmptos (String25)	The name of the operating system.[Air Force].
softVer (String50)	The version of the software being used.[Air Force].
cntrType (CodeElectricControlType)	The list of control type codes.[Air Force].
portalNo (Integer)	The number of controlled portals.[Air Force].
dnsName (String50)	The Domain Name Server name of device if applicable.[Air Force].
netVerNo (String50)	The version number of network device.[Air Force].
physDimension (Double)	The physical dimensions of network device (HxWxD).[Air Force].
pwrInType (String50)	The required input power type.[Air Force].
pwrSupply (Integer)	The number of power supplies network device was designed for.[Air Force].
pwrSupNo (Integer)	The number of power supplies network device has installed.[Air Force].
totalIf (Integer)	The total number of network interfaces/ports network device has.[Air Force].
cardSlots (Integer)	The total number of expansion slots in chassis.[Air Force].
contrlLvl (String50)	The level of control at the portal.[Air Force].
radioCap (Double)	The radio circuit capacity system.[Air Force].
ifIp (String50)	The IP Address of interface.[Air Force].
ifProtocl (String50)	The protocol by which interface communicates.[Air Force].
ifSpeed (String50)	The interface bit rate.[Air Force].
ifMtu (String50)	The maximum transmission unit of interface.[Air Force].
ifApp (String50)	The application for interface.[Air Force].
ifAppDes (String50)	The destination interface/port number.[Air Force].
prtModNo (String50)	The physical module number.[Air Force].
fanTray (String50)	The description of the number of fans that are operational.[Air Force].
maxPorNo (Integer)	The maximum number of controlled portals.[Air Force].
portIndex (String50)	The physical port number.[Air Force].
voltage (CodeVoltage)	The voltage requirements.[Air Force].
monitorType (String50)	The primary or remote annunciator.[Air Force].
ifTyp (String50)	The physical/electrical type of interface.[Air Force].
rackDescription (String255)	The identifier of rack chassis is located in.[Air Force].
cardIp (String50)	The IP Address of device.[Air Force].
intrfDesc (String255)	A unique Identifier of interface that port corresponds to.[Air Force].
cardMac (String50)	The MAC Address of device.[Air Force].
coeqpoutid (String20)	The identifying number of the output equipment.[Air Force].
remInd (String50)	The type of remote indicators.[Air Force].
crypto (CodeBoolean)	A boolean indicating whether the data is classified or unclassified (Y = YES and N = NO)?[Air Force].
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
lineCap (Double)	The landline circuit capacity system.[Air Force].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
numOpPos (Integer)	The number of operator positions.[Air Force].
numautscop (Integer)	The number of automation scopes or positions.[Air Force].
flCkDate (Integer)	The date of the flight check. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[Air Force].
reflcLoc (String50)	The name of the reflector location.[Air Force].
remindloc (String50)	The location position of the remote indicator.[Air Force].
secFacNo (Integer)	The secondary facility number.[Air Force].

description (String255)	A description of the feature.[Tinker Air Force Base].
remarks (String255)	Additional information about the camera switch.[Air Force].

Metadata:

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Fiberoptic Line

(Database Feature Class Name = CommFiberopticLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Thin transparent fibers of glass or plastic that are enclosed by material of a lower index of refraction and that transmit light throughout their length by internal reflections [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	The name of the feature.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
stationName (String12)	Commercial identifier.[HSIP].
corpName (String80)	Name of station corporation.[HSIP].

Attributes:

verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[REEGIS].
cabElev (CodeCableElevation)	The vertical location of the cable.[Tinker Air Force Base].
riverMile (Double)	The river mile marker.[REEGIS].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cabUse (CodeCableUse)	Discriminator - The overall use of the fiberoptic cable.
installType (CodeCableInstallationType)	The installation type code for cables.[Tinker Air Force Base].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
length (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
cabOffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
fcSm (Integer)	The number of single-mode fibers[Tinker Air Force Base].
fcMm (Integer)	The number of multi-mode fibers in the cable.[Tinker Air Force Base].

fcDs (Integer)	The number of dispersion-shifted fibers in the cable.[Tinker Air Force Base].
fcTotal (Integer)	The total number of fibers in the cable.[Tinker Air Force Base].
cblMaterial (CodeElectricCable)	Types of communication cable.[HSIP].
netAffil (String32)	Network affiliation.[HSIP].
description (String255)	A description of the feature.[Tinker Air Force Base].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Groundplane Area

(Database Feature Class Name = CommGroundplaneArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A series of ground points electrically connected in a mesh formation necessary to minimize ground resistance and electromagnetic radiation, for example lightening strikes, in support of critical communications systems. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this

	feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Ground Point

(Database Feature Class Name = CommGroundPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where the communication configuration is grounded. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
resistance (Double)	The measured resistance of the cable.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Groundwave Area

(Database Feature Class Name = CommGroundwaveArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An emanation pattern of Low Frequency Electromagnetic transmissions which use a ground path for transmission. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Impedance Matching Point

(Database Feature Class Name = CommImpedanceMatchingPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that matches the impedance between two transmissions in order to minimize signal attenuation and distortion [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

impType (CodeAmplifierType)	The impedance matching device type.[Tinker Air Force Base].
loss (Double)	The signal amplitude loss of matching device.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
bandwidth (Double)	The difference between the highest and lowest frequencies.[Tinker Air Force Base].
inSigLvl (Double)	The amplitude of the input signal.[Tinker Air Force Base].
outsigLvl (Double)	The amplitude of the output signal.[Tinker Air Force Base].
impedIn (Double)	The input impedance.[Tinker Air Force Base].
impedOut (Double)	The output impedance.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Internet Center

(Database Feature Class Name = CommInternetCenter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A site that contains information about the internet center. [SDSFIE Air Force].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
area (Double)	The size of the area, zone, or polygon in square units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Junction

(Database Feature Class Name = CommJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The communications junction node represents a transition node of cable path. For example, it can represent terminal, splice, or cross connection points. It can also indicate the transition of the cable into a duct opening. [SDSFIE Air Force].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
conectedTo (String30)	Table name of Child Equipment that links to this node.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
juncType (CodeJuncType)	The type of junction (e.g. manhole, handhole, other)
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Line Of Sight Line

(Database Feature Class Name = CommLineOfSightLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

An electromagnetic transmission signal path requiring line of sight such as microwave or laser transmission [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the signal path.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
frequency (Double)	The frequency of the signal in the LOS transmission path.
power (Double)	The power of the signal in the LOS transmission path.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
txLength (Double)	The length of the LOS transmission path.
verticalClearance (Double)	The clearance in feet MHW between the lowest point under the transmission path.[REEGIS].
riverMile (Double)	The river mile marker.
description (String255)	A description of the feature.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date

	is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Load Capacitor

(Database Feature Class Name = CommLoadCapacitor)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Device used to eliminate problems with high-frequencies on long telephone lines using capacitance. Spliced into the line. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].
Attributes:	
capacity (Double)	Capacitance of each capacitor.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
coDist (Double)	Distance from the build-out unit to the Central Office.[AIR FORCE].
ldcnum (CodeCountsInAssembly)	Number of capacitors making up the build-out unit.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be

	used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Load Coil

(Database Feature Class Name = CommLoadCoilPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Device used to eliminate problems with high-frequencies on long telephone lines using inductance. Spliced into the line. [SDSFIE Air Force].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].
Attributes:	
ldccas (CodeLoadsCoilCaseType)	Type of case in which the load coil(s) are assembled.[AIR FORCE].
ldcType (CodeNumberLoadsCoilType)	Type of loading coils.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
loadPtNo (Integer)	Load point number.[AIR FORCE].
coDist (Double)	Distance from the load coil assembly to the Central Office.[AIR FORCE].
ldcnum (CodeCountsInAssembly)	Number of coils making up the load coil assembly.[AIR FORCE].
ldcsym (CodeLoadCoilSystem)	Type of load coil system used.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Media Converter

(Database Feature Class Name = CommMediaConverter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Device used to convert from one type of signal transmission media to another. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].

Attributes:

connt2 (CodeCableConnectorType)	The connector type at port two.[AIR FORCE].
maxcellt (CodeMaxcellType)	For flexible MaxCell inner ducts, this indicates the type used.[AIR FORCE].
mtimzone (CodeMaritimeMgmtType)	Typical Maritime Zones.[NAVFAC].
netbw (CodeNetworkBandwidth)	The data transmission rate through the repeater.[AIR FORCE].
cbltyp1 (CodeCableType)	The type of cable accommodated by port one.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cbltyp2 (CodeCableType)	The type of cable accommodated by port two.[AIR FORCE].
netprc (CodeNetworkProtocol)	The network protocol accommodated by the media converter.[AIR FORCE].
vehtype (CodeTransVehicleType)	The type of vehicles located in the parking area.[AIR FORCE].
connt1 (CodeCableConnectorType)	The connector type at port one.[AIR FORCE].
voltReq (CodeVoltageRequirements)	Voltage Requirements.[AIR FORCE].
mcnvty (CodeMediaConverter)	Converter Type.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Multihop Area

(Database Feature Class Name = CommMultihopArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A radio broadcast transmission which consist of a larger network such as cellular telephone, polygon represents coverage area. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	any commonly used name for the feature.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

riverMile (Double)	The river mile marker.[REEGIS].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
frequency (Double)	The frequency of the signal.[Tinker Air Force Base].
power (Double)	The amount power of the transmission signal.[Tinker Air Force Base].
description (String255)	A description of the feature.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Network Systems Site

(Database Feature Class Name = CommNetworkSystemsSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The Network Standard System name, architecture (i.e. protocol), number of facilities where installed and number of users of system. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	The name for the standard system.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

netAff (CodeNetworkAffiliationType)	The broadcasting network to which the facility is associated.[HSIP].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
convType (String50)	A type of media converter.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
protocol (String60)	The Protocol Description.[Tinker Air Force Base].
numUsers (Integer)	The number of users of standard system.[Tinker Air Force Base].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Other Cable

(Database Feature Class Name = CommOtherCable)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Any type of communications cable transmission not otherwise specified. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	Any commonly used name for the cable.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

cabUse (CodeCableUse)	Discriminator - The overall use of the cable.
installType (CodeCableInstallationType)	The installation type code for cables.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cabElev (CodeCableElevation)	The vertical location of the cable.[Tinker Air Force Base].
riverMile (Double)	The river mile marker.[REEGIS].
cblMaterial (CodeElectricCable)	The material composition of the cable.[Tinker Air Force Base].
verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[REEGIS].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
cblLength (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
coffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
icefacClr (Double)	The clearance in feet between the lowest point under the cable line and the ice facility surface.[S-57].
description (String255)	A description of the feature.[Tinker Air Force Base].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Path Node Site

(Database Feature Class Name = CommPathNode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Node that represents a transition of different communications path segment types (i.e. duct to aerial) or attributes (i.e. duct material type from PVC to PE). [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
nodeType (CodeCommNodeType)	Discriminator. The type of node this represents.[AIR FORCE].
ductFlap (String20)	The flap on which this duct opening is located (i.e. N, NNE, NE, ENE, E, ESE, SE, SSE, S, SSW, SW, WSW, W, WNW, NW, and NNW).[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
ductTag (String8)	The location of the duct within the flap (i.e. A3).[AIR FORCE].
inDiameter (Double)	The inside diameter measurement of the duct, stub out, or hole.[AIR FORCE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Path Segment Line

(Database Feature Class Name = CommPathSegmentLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Link that represents an enclosure path of communications items outside of a building, manhole, pedestal, or other enclosed structures. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
pathType (CodePathType)	A field that describes what type of thing this segment is representing.[AIR FORCE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.[AIR FORCE].
pathCnt (CodePathCont)	A field that indicates what the path contains.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the

	utility asset.[Adopted from SDSFIE].
cabins (CodeCableInstallationType)	A field to describe the type of installation.[AIR FORCE].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground communications path.[AIR FORCE].
dateInstalled (Date)	The date on which the feature was originally installed.
percent (CodePercentModifier)	How continuous the enclosure path is.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
description (String255)	A description or other unique information concerning the subject item.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Pedestal Site

(Database Feature Class Name = CommPedestal)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above-ground enclosure providing access to buried plant. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	The standard identifier name (i.e. PED-19).[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
Attributes:	
type (String16)	The type of communications pedestal.[Austin and Pitts].
terminal (CodeBoolean)	A Boolean indicating the presence of a terminal[Tinker Air Force Base].
bonded (CodeBoolean)	A Boolean indicating whether the pedestal is bonded.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.

costrm (CodeEnclosureMaterials)	The material composition of the pedestal.[AIR FORCE].
diameter (Double)	Diameter.[AIR FORCE].
width (Double)	Width of horizontal cross section.[AIR FORCE].
height (Double)	Height.[AIR FORCE].
depth (Double)	Depth of horizontal cross-section.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Pullbox Site

(Database Feature Class Name = CommPullbox)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box with cover used as an aid for pulling cable. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Radar Site

(Database Feature Class Name = CommRadarSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of equipment used for determining the presence and position of an object by measure the direction and timing of electromagnetic waves. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
radType (CodeRadio)	The operating spectrum of the radar.[Tinker Air Force Base].
power (Double)	The amount of power the radar emits.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Radio

(Database Feature Class Name = CommRadio)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of equipment used to transmit and receive communications signals via electromagnetic waves. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Radio Receiver

(Database Feature Class Name = CommRadioReceiver)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location to store individual radio receiver sections that may be in one piece of radio equipment. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
rfAsnFrq (String50)	The frequencies assigned to this unit.[Tinker Air Force Base].
rfHigh (Integer)	The highest capable operating frequency unit.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
rfLow (Integer)	The lowest capable operating frequency unit.[Tinker Air Force Base].
rfBndwdth (Double)	The bandwidth of signal (LMR is 25k wide, 12.5k narrow).[Tinker Air Force Base].
modPos (Integer)	From the left of unit, module number for multiple transmitters in one radio.[Tinker Air Force Base].
rfP25t (CodeBoolean)	Is the unit capable of operating P25 Trunking (Y/N)?[Tinker Air Force Base].
rfP25c (CodeBoolean)	Is the unit capable of operation P25 Conventional (Y/N)?[Tinker Air Force Base].
description (String255)	A description or other unique information concerning the subject item.[Tinker Air Force Base].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Radio Transmitter

(Database Feature Class Name = CommRadioTransmitter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location to store individual radio transmitter sections that may be in one piece of radio equipment. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
rfLow (Integer)	The lowest capable operating frequency unit.[Tinker Air Force Base].
rfP25t (CodeBoolean)	Is the unit capable of operating P25 Trunking (Y/N)?[Tinker Air Force Base].
rfP25c (CodeBoolean)	Is the unit capable of operation P25 Conventional (Y/N)?[Tinker Air Force Base].
modPos (Integer)	From the left of unit, module number for multiple transmitters in one radio.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
rfAsnFrq (String50)	The frequencies assigned to this unit.[Tinker Air Force Base].
rfFccid (String50)	FCC emission designators.[Tinker Air Force Base].
rfBndwdth (Double)	The bandwidth of signal (LMR is 25k wide, 12.5k narrow).[Tinker Air Force Base].
rfMaxwats (Integer)	The maximum output power of this unit in watts.[Tinker Air Force Base].
rfHigh (Integer)	The highest capable operating frequency unit.[Tinker Air Force Base].
description (String255)	A description or other unique information concerning the subject item.[Tinker Air Force Base].
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

Communications : Relay Station

(Database Feature Class Name = CommRelayStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A piece of equipment used to relay communications signals. [SDSFIE Air Force].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	Any commonly used name of the feature.[HSIP].
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
stationName (String20)	Indicates the Commercial Identifier.[HSIP].

Attributes:

facilityType (String16)	The type of broadcast facility located at this location.[Tinker Air Force Base].
netAff (CodeNetworkAffiliationType)	The broadcasting network to which the facility is associated.[Tinker Air Force Base].
radioType (CodeRadioType)	Types of radio points[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
radType (CodeRadio)	Discriminator - Radio type[Tinker Air Force Base].
accountCode (String20)	The owners account code.[Tinker Air Force Base].
baseIlc (String20)	ILC code of the installation where this equipment is located.[Tinker Air Force Base].
deployab (CodeBoolean)	Is unit flagged as deployable (Y/N)?[Tinker Air Force Base].
encLvl (String20)	The level of encryption unit supports (TRS is not standard on this).[Tinker Air Force Base].
encMax (CodeEncryptionLevelType)	The highest level of encryption unit can operate .[Tinker Air Force Base].
encProt (String16)	Type of protocol used to provide encryption.[Tinker Air Force Base].
lmrNet (String20)	The network is this unit assigned to (LMR or Conventional).[Tinker Air Force Base].
narrowbn (CodeBoolean)	Narrowband operation 12.5kHz capable (Y/N)?[Tinker Air Force Base].
power (CodePowerUseType)	Alternating Current or Direct Current (AC/DC).[Tinker Air Force Base].
pwrPhase (Integer)	The phase requirement if AC.[Tinker Air Force Base].
pwrVolt (Integer)	The voltage required in Volts.[Tinker Air Force Base].
pwrWatts (Integer)	The maximum power draw.[Tinker Air Force Base].
rackNo (String20)	The rack identifier the unit is in.[Tinker Air Force Base].
rackPos (String20)	The position in the rack if applicable.[Tinker Air Force Base].
rfLmrwd (CodeBoolean)	Is the unit wideband operation capable (Y/N)?[Tinker Air Force Base].
suppSys (String20)	The system that does this asset support (LMR, Giant Voice, Milstar).[Tinker Air Force Base].
thermLoad (Integer)	Thermal loading of unit for HVAC calculations.[Tinker Air Force Base].
trnkP25 (CodeBoolean)	Is the unit capable of operating trunking P25 (Y/N)?[Tinker Air Force Base].
trunkNum (Integer)	Trunking site ID (LMR).[Tinker Air Force Base].
txAnalg (CodeBoolean)	Analog transmission capable (Y/N)?[Tinker Air Force Base].
txDigl (CodeBoolean)	Digital transmission capable (Y/N)?[Tinker Air Force Base].
vehicleNo (String20)	For mobile units assigned to vehicles (LMR).[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
verified (String255)	Whether or not the feature has been verified.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Repeater

(Database Feature Class Name = CommRepeater)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Device used to receive, clean up a signal, and then retransmit it. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

netbw (CodeNetworkBandwidth)	The data transmission rate through the repeater.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Riser

(Database Feature Class Name = CommRiser)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pipe-like structure used for the vertical conveyance of cable [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

duct (CodeBoolean)	A Boolean indicating the presence of a duct.[Tinker Air Force Base].
height (Double)	The height of the riser duct measured from the ground surface to the top.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular riser as measured from the ground surface to the top.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The code used to determine the type of material the riser is made of.
dateInstalled (Date)	The date on which the feature was originally installed.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Satellite

(Database Feature Class Name = CommSatellitePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Communications Satellite. Used to retransmit signals from space. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
comnName (String30)	Common Name.[AIR FORCE].
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
noradNo (String5)	NORAD Designation Number.[AIR FORCE].

Attributes:

origin (String50)	Country of Origin.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
lvehicle (String25)	Launch vehicle used.[AIR FORCE].
launchDate (Date)	Launch date. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Segmented Cable

(Database Feature Class Name = CommSegmentedCable)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Used to represent a portion of the entire cable sheath as it is shown in an enclosed structure (building, manhole, vault, etc.) so that the cable sheath does not have to be drawn between enclosed structures. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cblMaterial (CodeElectricCable)	
cblSize (CodeCableDimension)	
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Segmented Cable Point

(Database Feature Class Name = CommSegmentedCablePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location all communication cable types. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	Any commonly used name for the cable.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

coreType (CodeCoreType)	Attributes for Core Types.[Air Force].
bufferType (CodeShoreBufferType)	The types of buffers.[Tinker Air Force Base].
cabUse (CodeCableUse)	The overall use of the cable.[Tinker Air Force Base].

installType (CodeCableInstallationType)	The installation type code for cables.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
cblLength (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.[AIR FORCE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
segNum (Integer)	The segment in which the cable section is located.[Tinker Air Force Base].
cabType (CodeCableType)	The type of cable.[Tinker Air Force Base].
cabNo (String16)	Cable name or number.[Tinker Air Force Base].
begincount (Integer)	Starting count of pairs or strands.[Tinker Air Force Base].
endCount (Integer)	Ending count of pairs or strands.[Tinker Air Force Base].
totalCount (Integer)	Total number of pairs or strands associated with a particular cable.[Tinker Air Force Base].
sheathDia (Double)	Overall Diameter of sheath.[Tinker Air Force Base].
mediaDiam (Double)	Diameter of gauge of individual media.[Tinker Air Force Base].
mediaType (CodeMediaType)	The types of media.[Tinker Air Force Base].
dateInstalled (Date)	The date on which the feature was originally installed.
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Sensor

(Database Feature Class Name = CommSensor)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of equipment used to detect and measure various environmental conditions (e.g. Temperature, Fire, Intrusion, etc.) [SDSFIE Austin and Pitts].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
busName (String80)	Name of the Weather Forecast Office.

Attributes:

sensorType (String16)	The type of sensor.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
officeType (String30)	National Hurricane Center, Nat. Severe Storm Forecast Center.[HSIP].
sensLoc (String50)	The sensor location (Interior or exterior).[Tinker Air Force Base].
cblType (CodeElectricCable)	Sensor cable connectivity type.[Tinker Air Force Base].
sensZone (String50)	The Detection zone.[Tinker Air Force Base].
annunNum (String50)	The Annunciator in which the sensor is connected.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Service Loop Point

(Database Feature Class Name = CommServiceLoopPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Service loops contain extra cable that may be required in the future. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

length (Double)	The length of cable contained in the service loop.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the

	utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Speaker

(Database Feature Class Name = CommSpeaker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that converts an electrical signal into sound. Generally used as part of a public address, giant voice, or mass notification system. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	The local name of the Speaker.[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[AIR FORCE].
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.[AIR FORCE].
weather (CodeBoolean)	Indicates a weather proof speaker case.[AIR FORCE].
multp25 (CodeBoolean)	Indicates a 25 Volt multi-tap transformer.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
multp70 (CodeBoolean)	Indicates a 70 Volt multi-tap transformer.[AIR FORCE].
rmsWatage (Integer)	Average power handling capability over time, in watts AKA average power or mean power.[AIR FORCE].
diameter (Double)	Diameter, if round or cylindrical.[AIR FORCE].
width (Double)	Width.[AIR FORCE].
height (Double)	Height.[AIR FORCE].
depth (Double)	Depth.[AIR FORCE].

freqRngH (Double)	Highest effective frequency speaker emits in Hz.[AIR FORCE].
freqRngL (Double)	Lowest effective frequency speaker emits in Hz.[AIR FORCE].
weight (Double)	Weight of speaker.[AIR FORCE].
dispertnH (Integer)	Angle of horizontal sound dispersion in degrees.[AIR FORCE].
dispertnV (Integer)	Angle of vertical sound dispersion in degrees.[AIR FORCE].
sensitivty (String50)	Speaker sensitivity or efficiency measured as dB/W/m - decibels output for an input of one nominal watt measured at on meter from the speaker.[AIR FORCE].
spkimp (CodeSpeakerImpedance)	Input impedance.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.[AIR FORCE].
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Splice

(Database Feature Class Name = CommSplice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A joining of two or more communications cables, each cable contributing one end of itself to the splice. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
loss (Double)	The signal loss introduced by the splice
splType (CodeSplice)	Discriminator. The type of splice.[Austin and Pitts].
casMaterial (CodeSpliceCaseMat)	The material composition of the splice case.[Austin and Pitts].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
method (CodeSpliceMethod)	The method of spicing used.[Austin and Pitts].
length (Double)	Length of the splice case.[AIR FORCE].
insideDiameter (Double)	The inside diameter of the splice case.[AIR FORCE].

casType (CodeSpliceCaseTyp)	Used to describe the type of splice case.[AIR FORCE].
ecsType (CodeSpliceCaseEncapsulate)	The type of encapsulate used.[AIR FORCE].
description (String255)	Any description of the feature.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Splitter

(Database Feature Class Name = CommSplitter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device to split a signal transmission into two or more signal paths while minimizing attenuation and distortion, generally used in broadband cable systems. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
Attributes:	
inSigLvl (Double)	The input signal amplitude.[Tinker Air Force Base].
outsigLvl (Double)	The amplitude of the output signal.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
spltType (CodeSplitterType)	Discriminator - Splitter Type.[Tinker Air Force Base].
loss (Double)	The signal amplitude loss of splitter.[Tinker Air Force Base].
bandwidth (Double)	The difference between the highest and lowest frequencies that a splitter can pass.[Tinker Air Force Base].
impedIn (Double)	The input impedance of the amplifier[Tinker Air Force Base].
impedOut (Double)	The output impedance of the amplifier[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Telephone

(Database Feature Class Name = CommTelephone)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of an end user telephone set used for voice communications. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	Indicates the name of the feature.[HSIP].
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
Attributes:	
color (CodeColor)	The color of the emergency telephone.[FGDC].
appearance (String50)	A description of the appearance of phone.[FGDC].
status (CodeStatus)	A description of the status of the emergency telephone.[FGDC].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.[FGDC].
phoneType (CodePhoneType)	The type of phone.[Tinker Air Force Base].
phoneNumber (String16)	The phone number of the location.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Telephone Booth

(Database Feature Class Name = CommTelephoneBooth)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of one or more outdoor telephones either in an open air bank or enclosed within a booth or other enclosure. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
Attributes:	
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
area (Double)	The size of the area, zone, or polygon in square units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description of the feature.[Tinker Air Force Base].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Terminal

(Database Feature Class Name = CommTerminal)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

a device attached to the end of a wire or cable or to an electrical apparatus for convenience in making connections [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
caseType (CodeTerminalCaseType)	The type of terminal case.[Austin and Pitts].
termType (CodeTerminalType)	The type of terminal[Austin and Pitts].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description of the feature.[Tinker Air Force Base].
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Terminator

(Database Feature Class Name = CommTerminator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that terminates an electrical or optical transmission media. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

termType (String16)	The type of terminator.[AIR FORCE].
connt (CodeCableConnectorType)	The type of connector used for the terminator.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cbldim3 (CodeCableGaDimensions)	Tertiary. Wire Gauge (AWG) or Core Size (in um).[AIR FORCE].
description (String255)	A description of the feature.[Tinker Air Force Base].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
impedance (Double)	A measure of the apparent opposition in an electrical circuit to the flow of an alternating current that is analogous to the actual electrical resistance to a direct current and that is the ratio of effective electromotive force to the effective current.[Tinker Air Force Base].

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Twisted Pair Line

(Database Feature Class Name = CommTwistedPairLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Multi-conductor Communications cable generally consisting of copper wire, with each pair being twisted in order to minimize signal loss due to electromagnetic radiation. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	The name of the feature.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[REEGIS].
cabUse (CodeCableUse)	Discriminator - The overall use of the cable.
noPairs (Integer)	The number of wire pairs in the cable
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
installType (CodeCableInstallationType)	The installation type code for cables.[Tinker Air Force Base].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
riverMile (Double)	The reference of the river mile associated with the cable.[REEGIS].
cblSize (CodeCableDimension)	The wire gauge of the cable.[Austin and Pitts].
resistance (Double)	The degree of tendency of the cable to oppose the flow of current.
numprLow (Integer)	The lowest numbered pair within the cable[Tinker Air Force Base].
numprHigh (Integer)	The highest numbered pair within the cable[Tinker Air Force Base].
coreType (CodeCoreType)	The type of core in the cable.[Tinker Air Force Base].
cabOffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
length (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
cabElev (CodeCableElevation)	The vertical location of the cable.
cblMaterial (CodeElectricCable)	The material composition of the cable.[Tinker Air Force Base].
description (String255)	A description of the feature.[Tinker Air Force Base].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Vault

(Database Feature Class Name = CommVaultSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A special structure for transitioning the outside cable plant from horizontal orientation to vertical orientation in preparation for termination on the distribution frame. [SDSFIE Tinker Air Force Base].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	The standard identifier name (i.e. MH-19).[AIR FORCE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
serialNumber (String16)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
noCircuit (Integer)	The number of circuits housed in the vault.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
vltMaterial (CodeEnclosureMaterials)	Used to describe the material composition of the vault.[AIR FORCE].
dateInstalled (Date)	The date on which the feature was originally installed.
diameter (Double)	Diameter.[AIR FORCE].
depth (Double)	Depth of horizontal cross-section.[AIR FORCE].
width (Double)	Width of horizontal cross section.[AIR FORCE].
height (Double)	Height.[AIR FORCE].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Vertical Site

(Database Feature Class Name = CommVerticalSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A vertical is part of a mainframe where the outside cable plant terminates. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

covtbk (CodeVerticalConnectingBlock)	The type of the connector block.[AIR FORCE].
covtht (CodeVerticalHeight)	The height of this vertical in the frame.[AIR FORCE].
covtma (CodeVerticalMountingArea)	The spacing between mounting brackets for mounting MDF connector blocks.[AIR FORCE].
covtmb (CodeVerticalMountBlock)	The type of mounting bar.[AIR FORCE].
covtsw (CodeVerticalShelfWidth)	The width of the mounting shelf for connector blocks.[AIR FORCE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
covtty (CodeVerticalType)	The type of vertical.[AIR FORCE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
grndbar (CodeBoolean)	Indicates the presences of a grounding bar.[AIR FORCE].
grdrails (CodeBoolean)	Indicates the presences of a guardrail.[AIR FORCE].
endguard (CodeBoolean)	Indicates the presences of an end guard.[AIR FORCE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Video Site

(Database Feature Class Name = CommVideoSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of equipment used to receive or transmit the visual portion of a communications signal. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Name of the recreation feature.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].

Attributes:

convType (String60)	A type of media converter.[Tinker Air Force Base].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
sysDescription (String255)	The system description.[Tinker Air Force Base].
transType (String50)	The transmission type protocol.[Tinker Air Force Base].
bandwidth (Double)	The data rate.[Tinker Air Force Base].
crypto (CodeBoolean)	Classified or Unclassified (Y/N)?[Tinker Air Force Base].
description (String255)	The name or type of the equipment.[Tinker Air Force Base].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Voice Switch

(Database Feature Class Name = CommVoiceSwitch)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location of equipment used to receive or transmit the voice portion of a communications signal. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.[Tinker Air Force Base].
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.[Tinker Air Force Base].

Attributes:

voipTrk (String50)	Number of Trunks Voice IP switch -to- DCO PBX.[Tinker Air Force Base].
numUsers (Integer)	The number of users capability in Voice Mail system.[Tinker Air Force Base].
trkUsed (String50)	The total number of trunk lines being used.[Tinker Air Force Base].
linCapNo (String50)	The number of lines capability.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
numLused (Integer)	The number of lines used.[Tinker Air Force Base].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
swType (String20)	The code for the different switch types.[Tinker Air Force Base].
softVer (String50)	The software version release number.[Tinker Air Force Base].
swCap (Double)	The number of lines that the software is capable of running.[Tinker Air Force Base].
hwCap (Double)	The total hardware line capacity.[Tinker Air Force Base].
anlgLused (Integer)	The number of analog lines being used.[Tinker Air Force Base].
digtLused (Integer)	The number of digital lines being used.[Tinker Air Force Base].
isdnLused (Integer)	The number of ISDN lines being used.[Tinker Air Force Base].
trkCap (Double)	The total number of trunk lines capacity.[Tinker Air Force Base].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Communications : Waveguide Line

(Database Feature Class Name = CommWaveguideLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A cable designed to confine and direct the propagation of electromagnetic waves. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	The name of the feature.[Tinker Air Force Base].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

installType (CodeCableInstallationType)	The installation type code for cables.[Tinker Air Force Base].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
length (Double)	A measurement of the longer of two linear axes.[Tinker Air Force Base].
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
cabElev (CodeCableElevation)	The vertical location of the cable.[Tinker Air Force Base].
cblMaterial (CodeElectricCable)	The material composition of the cable.[Tinker Air Force Base].
riverMile (Double)	The river mile marker.[REEGIS].
verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[REEGIS].
cabType (CodeCableType)	The type of cable.[Tinker Air Force Base].
frequency (Double)	The number of cycles per unit time of the energy in the waveguide..[Tinker Air Force Base].
cabOffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
cabUse (CodeCableUse)	Discriminator - The overall use of the cable.
description (String255)	A description of the feature.[Tinker Air Force Base].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Deicing

Deicing : Culvert Center Line

(Database Feature Class Name = DeicingCulvertCenterline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

The centerline of a pipe or structure, the purpose of which is for the interception and conveyance of deicing fluid. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name of the culvert.[Derived from SDSFIE].
maaAlias (String60)	An alternative or former name by which the feature is refered.
canalName (String30)	The canal name that the structure is located on.[Derived from USACE].
Attributes:	
angle (Double)	The angle that the structure symbol should appear on a map.[Derived from USACE].
control (String30)	The means in which the water being controlled; i.e., by gate, weir, flashboard, pump, lock or uncontrolled?[Derived from USACE].
peakFlow (Double)	Q10 runoff (cubic feet per second of the 10 year peak flow associated with a ten year storm).[Derived from ARMY].
purpose (String30)	A summary of the intentions with which the data set was developed.[Derived from USACE].
estuary (String25)	The name of the Estuary, if applicable.[Derived from USACE].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
gateType (CodeCulvert)	Discriminator. The type of gate.[Derived from SDSFIE].
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the culvert.[Derived from SDSFIE].
drainageZone (CodeDrainageZone)	The local name of assigned the hydrographic drainage zone.[Derived from SDSFIE].
materialTexture (CodeDrainageDensity)	The texture of the material surrounding the culvert.[Derived from SDSFIE].
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.[Derived from SDSFIE].
invElv2 (Double)	The dimension indicating the elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
culvLength (Double)	The length of culvert, measured from node to node along the culvert centerline .[Derived from SDSFIE].
lined (CodeBoolean)	A boolean indicating whether the culvert is lined or not (Y = YES and N = NO)?[Derived from SDSFIE].
flowType (String15)	The type of flow such as culvert, lock, pump, spillway or weir.[Derived from USACE].
material (CodePipeMaterial)	The material composition of the subject item, such as concrete or corrugated metal, etc.[Derived from USACE].
source (String20)	The event's source of information.[Derived from USACE].
critical (CodeBoolean)	A boolean indicating whether this is a 'critical' structure (Y = YES or N = NO).[Derived from USACE].
voltReq (CodeVoltageRequirements)	Voltage Requirements.[Derived from AIR FORCE].
size (CodePipeDiameter)	The size of the diameter of the pipe opening in inches.[Derived from ARMY].
description (String255)	A description or other unique information concerning the subject item.[Derived from ARMY].

directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
verified (CodeBoolean)	A boolean indicating whether that a structure has been repositioned and with good source (Y = YES or N = NO).[Derived from USACE].
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Culvert End

(Database Feature Class Name = DeicingCulvertEnd)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

A pipe or structure, the purpose of which is for the interception and conveyance of surface water transported in open drainage lines and ditches [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Discharge Point

(Database Feature Class Name = DeicingDischargePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any location where deicing pipes directly discharge effluent. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
effluentDischargeType (String16)	A field indicating the kind, class, or group of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
sysType (String16)	The type of deicing fluid discharge system.[Derived from USACE OPERATIONS].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Drainage Basin

(Database Feature Class Name = DeicingDrainageBasin)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An area in which surface runoff collects and from which it is carried by a drainage system. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
gradeMean (Double)	The average grade in the drainage basin.
gradeMin (Double)	The minimum or shallowest grade in the drainage basin.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
maxGrade (Double)	The maximum or steepest grade in the drainage basin.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
valveDrain(String50)	The name of the valve through which the drainage area flows.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Drainage Divide

(Database Feature Class Name = DeicingDrainageDivide)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

The border of a drainage basin where one side directs runoff to one basin and the other side directs runoff to a different basin. [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Fitting

(Database Feature Class Name = DeicingFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe deicing fluid [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

fitDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.

fitLength (Double)	The overall length of the fitting.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	Discriminator. The kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground deicing system line fitting.[Derived from Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Flow Control Device

(Database Feature Class Name = DeicingFlowControlPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Devices for a storm water system to control the pressure in and out of the open channel. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
cntrlElv (Double)	The elevation at the centerline of the flow control device, in feet (English units) or meters (SI units) above some datum.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
depth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
length (Double)	The overall length of the flow control.
width (Double)	The width dimension of the subject item, measured from opposite inside faces.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
source (String255)	The source of the deicing flow.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Glycol Recovery Pit

(Database Feature Class Name = DeicingGlycolRecoveryPit)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

Designated places for glycol recovery vehicles to dump the recovered glycol

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.

verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Inlet

(Database Feature Class Name = DeicingInlet)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where deicing fluid is collected and received into the utility system. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityDgn (Double)	The design flow capacity of the subject item.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
inletSt (CodeInlets)	Discriminator. The step domain code for an inlet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
weirElevation (Double)	Elevation of the weir invert.
description (String255)	A description or other unique information concerning the subject item.
pierCode (String7)	The one-letter code for the terminal pier where the inlet is located
gateNumber (String20)	The number of the terminal gate where the inlet is located.
trenchDrain (String10)	The identifying name or tag of the Trench drain associated with the inlet
diversionVault (String10)	The identifying name or tag of the Div. Vault associated with the inlet
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Junction

(Database Feature Class Name = DeicingJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in deicing systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
juncType (CodeJuncType)	The type of junction (e.g. manhole, handhole, other)

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Lift Station

(Database Feature Class Name = DeicingLiftStation)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

Equipment used to pump deicing fluid to a higher level to enable gravity flow in pipes.

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
MAA requirementvaultLength (Double)	Length of diversion vault, in feet
vaultWidth (Double)	Width of diversion vault, in feet
vaultDepth (Double)	Depth of diversion vault, in feet
inletLength (Double)	Length of inlet pipe into diversion vault, in feet
inletDiameter (Double)	Diameter of inlet pipe into diversion vault, in inches
inletMaterial (String20)	Material of the inlet pipe into the vault
outletLength (Double)	Length of outlet pipe from diversion vault, in feet
outletDiameter (Double)	Diameter of out;et pipe from diversion vault, in inches
outletMaterial (String20)	Material of the outlet pipe from the vault
description (String255)	A description or other unique information concerning the subject item.
MAA requirementmaterial (String16)	
size (Integer)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Line

(Database Feature Class Name = DeicingLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry deicing fluid from location to location (main line, service line, vent line, etc). [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name of the culvert.[Derived from REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainageZone (CodeDrainageZone)	Local name of assigned hydrographic drainage zones.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the pipe.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the pipe.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
pipeWidth (Double)	The width dimension of the subject item, measured from opposite inside faces.
lined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
scrnType (CodeCulvertScreenType)	The type of screen used to cover the end of the culvert.
type (String16)	A field indicating the kind, class, or group of the subject item.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
featureUse (String16)	Discriminator. The use code for deicing line.
pressNorm (Double)	The normal operating pressure of the deicing system pipe.

coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground deicing line pipe.[Derived from Air Force].
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Line Clean Out

(Database Feature Class Name = DeicingLineCleanOut)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

Glycol force main cleanouts, which are mechanism used to clear out the pipe line

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Marker

(Database Feature Class Name = DeicingMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of nearby deicing system component. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

Deicing : Pump

(Database Feature Class Name = DeicingPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for deicing system that draws material into itself through an entrance port and forces the material out through an exhaust port. [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

outflwAct (Double)	The actual measured pump flow output.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
type (String16)	A field indicating the kind, class, or group of the subject item.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Pump Station

(Database Feature Class Name = DeicingPumpStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to supply material flowing at adequate pressure to or from a deicing fluid system. [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the deicing pump station.[Derived from REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

alrmlvlelv (Double)	The elevation in the wet well that triggers an alarm indicating no additional storage capacity.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
hiWaterElevation (Double)	The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the deicing distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
width (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
length (Double)	The overall length of the pump station plant area.
wetwlCapacity (Double)	The wet well capacity.
area (Double)	The size of the area, zone, or polygon in square units.
type (String16)	A field indicating the kind, class, or group of the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
noPumps (Integer)	The total number of pumps located at the subject item.
riverMile (Double)	River mile marker.[Derived from REEGIS].
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
mxDsgnHd (Double)	The water elevation of the maximum design head of the pump in feet NGVD.[Derived from REEGIS].
dateEnd (Date)	The date the project was actually completed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)[Derived from REEGIS].
capacity (Double)	The pumping capacity at the maximum design head in cfs.[Derived from REEGIS].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Reservoir

(Database Feature Class Name = DeicingReservoirLocation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where deicing fluid is collected. [Adapted from SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of containment measured from normal operating pool.
invElvAv (Double)	The average elevation of the bottom of the reservoir.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
xDikes (CodeBoolean)	An indicator whether cross dikes exists in the subject item or not (yes or no).
outCntr (String12)	The outlet control.
featureUse (String16)	The particular application, or use the subject item.
resLength (Double)	The overall length of the reservoir.
resType (CodeReservoirType)	The type or classification of the reservoir.
resWidth (Double)	The average width dimension of the reservoir, measured from top of opposite side slopes.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be

	used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Tank

(Database Feature Class Name = DeicingTank)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

A tank which holds deicing fluid [Entity MAA requirement database merge, attributes from IndustrialWasteTankPoint].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
headNorm (Double)	The normal operating head for the subject item.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankSt (CodeStyleTank)	This value differentiates similar entities by use or type.
tankUse (CodeTankUse)	The particular kind or use of the industrial waste water tank.
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
description (String255)	A description or other unique information concerning the subject item.
mapGrid (String5)	Placeholder for ETL process to hold column 'grid' in MES DI_Tanks feature

color (CodeColor)	The color of the deicing tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Valve

(Database Feature Class Name = DeicingValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a decing fluid line. [Adapted from SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
dVaultId (String50)	

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	The particular application, or use the subject item.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of

	underground deicing fluid line valve.[Derived from Air Force].
description (String255)	A description or other unique information concerning the subject item.
pierCode (String10)	The one-letter code for the terminal pier where the valve is located
divVaultValve (CodeBoolean)	Indicates if the valve is a diversion vault valve or not.
mapGrid (String5)	Placeholder for ETL process to hold column 'grid' in MES DI_Tanks feature
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Deicing : Vault

(Database Feature Class Name = DeicingVault)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Secret

Reservoirs for used deicing fluid and stormwater [Entity MAA requirement database merge, attributes from IndustrialWasteTankPoint].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String60)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of the vault.
vaultLength (Double)	The overall length of the vault.
vaultType (String20)	The type or classification of the vault.
vaultWidth (Double)	The average width dimension of the vault measured from top of opposite side slopes.
description (String255)	A description or other unique information concerning the subject item.

pipeWidth (Double)	Size of inlet pipe
pipeMaterial (CodePipeMaterial)	Material of which inlet pipe is made
airReleasePresent (CodeBoolean)	Indicates whether or not an air release valve is present
pumpOutPresent (CodeBoolean)	Indicates whether or not a pump out conection is present
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
mapGrid (String5)	Target column for ETL process to hold column 'grid' in MES database
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
pierCode (String10)	The one-letter code for the terminal pier where the valve is located
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Electrical

Electrical : Bus Line

(Database Feature Class Name = ElectricalBusLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A rigid metallic conductor (copper or aluminum), typically in the form of a flat bar, angle stock, or square tubing. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
bilRat (CodeBilKv)	The insulators basic insulation level rating.
busMat (CodeElectricBus)	The material composition of the electrical bus group.
cblUse (CodeElectricCableUse)	The use or purpose of the cable group.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
frameType (String20)	The substation structural frame configuration.

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
voltage (CodeVoltage)	The voltage of the bus group.
noConduct (Integer)	The total number of ungrounded conductors in the cable.
noNeutral (Integer)	The number of neutral conductors.
reactance (Double)	The reactance of the bus provided by the manufacturer.
sizeNeut (CodeCableDimension)	The size of the neutral conductors.
resistance (Double)	The resistance of the bus provided by the manufacturer.
length (Double)	The overall length of the feature.[Center].
description (String255)	A description or other unique information concerning the subject item.
cblMaterial (CodeElectricCable)	The material of the cable.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Cable

(Database Feature Class Name = ElectricalCable)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A group of conductors used to carry electrical energy from point to point. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the feature.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
condSize (CodeCableDimension)	The size of a single ungrounded conductor in the cable group in American Wire Gauge (AWG) units.
cblType (CodeElectricCable)	This value differentiates similar entities by use or type.[REEGIS].
catnav (CodeNavigationLineType)	Category of navigation line[S-57].
cblLength (Double)	The length of the cable between nodes.
cblMaterial (CodeElectricCable)	The material composition of the cable.

cfgType (CodeElectricConfigType)	The cable mounting configuration on the pole or tower.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
voltage (CodeVoltage)	The system voltage applied to the cable group.
installType (CodeElectricCable)	Discriminator. The installation type code.
insulMaterial (CodeSheathInsulateType)	The type of material with which the conductors are insulated from each other and from their surroundings.
neutSize (CodeCableDimension)	The size of a single neutral conductor in American Wire Gauge (AWG) units.
noConduct (Integer)	The total number of ungrounded conductors in the cable.
noNeutral (Integer)	The total number of grounded conductors in a ductbank.
noPhases (Integer)	The number of phases routed by this cable group.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
riverMile (Double)	River mile marker.[REEGIS].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Capacitor

(Database Feature Class Name = ElectricalCapacitor)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An electrical device placed in a circuit to correct power factor by adding reactive power to the circuit. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
cntrType (CodeElectricControlType)	The method of adjusting the kilovar output of the capacitor.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
cpctrKv (CodeElectricKvar)	The rating of the capacitor's ability to provide reactive power to a circuit.
voltage (CodeVoltage)	The system voltage across the capacitor.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
installType (CodePumpSta)	The type installation of the subject item.
noPhases (Integer)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
switch (CodeBoolean)	This indicates whether the capacitor is presently in the circuit or is not presently in the circuit.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Ductbank

(Database Feature Class Name = ElectricalDuctbank)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A tubular structure that provides protection for underground cables contained in conduit. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Name of the electrical underground conduit.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
ductMat (CodePipeMaterial)	An indication of the type of material of which the duct is composed.
dbkLength (Double)	The total length of the ductbank from source to load. Manholes and pullboxes should not break the measurement.
dbkSize (Double)	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.),

	from lists or entered from field inspections.
voltage (CodeVoltage)	The maximum voltage in the ductbank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noDucts (Integer)	An indicator of the number of conduits or wireways found in the ductbank.
noSpares (Integer)	The number of spare ducts enclosed in the ductbank for future use.
riverMile (Double)	River mile marker.[REEGIS].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Generator

(Database Feature Class Name = ElectricalGenerator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A machine which converts mechanical energy into electrical energy. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
facilityName (String65)	A commonly used name for the facility.[HSIP].
Attributes:	
coolType (CodeEquipmentCooling)	The type of cooling for the generator engine.
autotran (CodeBoolean)	An indicator as to whether or not an automatic transfer switch exist. (yes or no) An automatic transfer switch is an electromechanical device used to automatically change states in the event of a power failure on the primary electrical service to use an
genType (CodeGeneratorType)	This value differentiates similar entities by use or type.
engModel (String20)	The engine Model, Product, Catalog, or Item Number.
engSerNo (String20)	The engine serial number.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the

	utility asset.[Adopted from SDSFIE].
engineHp (Integer)	The power rating of the prime mover of the generator in horsepower.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
powerFact (Double)	The cosine of the phase angle between the voltage and the current that the generator creates.
fuelType (CodeFuel)	The type of fuel required to operate the prime mover of the generator.
hertz (Double)	The frequency of the electrical signal that the generator creates.
oilCapacity (Double)	The manufacturer recommended amount of oil that the generator engine requires to operate properly.
voltage (CodeVoltage)	The potential of the electrical energy that the generator creates.
kvaRate (Integer)	The rating of the complex power that the generator creates.
kwRate (Integer)	The rating of the Double power that the generator creates.
noPhases (Integer)	The number of phases to which this device provides reactive power.
sound (CodeBoolean)	An indicator as to whether or not Insulation was added to dampen the transmission of noise. (yes or no)
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
numPipes (Integer)	The number of powerlines entering the power plant.[HSIP].
pwrsource (String65)	The source of the power used by the plant to generate electricity.[HSIP].
fuelDel (CodeFuelDeliveryMethodType)	The delivery method of the fuel used at the power plant.[HSIP].
numLines (Integer)	The total number of powerlines exiting the power plant.[HSIP].
numStat (Integer)	The total number of substations associated with the power plant.[HSIP].
genCapacity (Double)	The total generating capacity of the power plant.[HSIP].
comAff (String80)	The name of the company that operates the power plant.[HSIP].
numGen (Integer)	The total number of generators at the power plant.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Ground Point

(Database Feature Class Name = ElectricalGround)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where the electrical configuration is grounded. [SDSFIE Air Force].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Head Bolt Outlet

(Database Feature Class Name = ElectricalHeadBoltOutlet)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device which supplies electric current in cold weather climates for vehicle heating. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

type (String16)	The type of head bold outlet.[Air Force].
voltage (CodeVoltage)	The type of voltage used.[Air Force].
noPlugs (Integer)	The number of plug-ins available.[Air Force].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.[Air Force].

material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Junction

(Database Feature Class Name = ElectricalJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or metal) typically located below grade with above grade access in which cables intersect, connect, or pass through. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
drainType (CodeDrainType)	The type of subject item drain.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
floorElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
Material (String16)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
noCables (Integer)	The number of the cables entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.

description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
juncType (CodeJuncType)	The type of junction (e.g. manhole, handhole, other)

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Light

(Database Feature Class Name = ElectricalLight)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Locations of point sources of general external lighting (excuding airfield lights). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

sensor (CodeBoolean)	A Boolean code indicating whether or not the light has a night sensor.[USACE OPERATIONS].
watts (CodeLightWatts)	The light fixture wattage specification.
voltage (CodeVoltage)	The system voltage applied to the light fixture.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noLamps (Integer)	The total number of lamps in fixture.
fixtureHt (Double)	The height above the ground/base surface of the light fixture.
mountHeight (Double)	The fixture mounting height.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
litType (CodeExternalLight)	The type of the light.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Marker

(Database Feature Class Name = ElectricalMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc., identifying the location of the electrical equipment. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Meter

(Database Feature Class Name = ElectricalMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the electrical power supplied to a facility or through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
ampRate (Integer)	The maximum continuous current rating of the meter.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityKva (Double)	The limit of the complex power which the demand meter can record.
meterType (String20)	A label describing the features of the electrical system that the meter is measuring.
hertz (Double)	The frequency of the electrical system on which the meter should be used.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
voltage (CodeVoltage)	The potential of the electrical system on which the meter may be used.
kwRate (Integer)	The power rating on the meter based on the current and potential transformer ratios.
mtrConst (Integer)	The multiplication factor by which one must multiply the difference in present and previous meter readings to determine actual power consumed.
mtrUse (CodeElectricDeviceUse)	An indication of the type of service the meter is monitoring.
noPhases (Integer)	The number of phases that the meter monitors.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
drgvesty (CodeVesselType)	The types of dredging vessels.[USACE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Motor

(Database Feature Class Name = ElectricalMotor)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A machine that converts electrical energy into mechanical energy. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

enclty (CodeElectricMotorEnclType)	The type enclosure the motor has to protect it from outside elements like the weather.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
powerFact (Double)	The nameplate power factor at which the motor operates at full load. The power factor is the cosine of the phase angle between the voltage and the current.
voltage (CodeVoltage)	The nameplate voltage rating of the motor.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
insulCl (CodeElectricMotorInsulType)	The classification of the motor's insulation.
startType (CodeElectricMotorStartType)	The startup configuration for the motor.
motorHp (Double)	The output power rating of the motor in units of horsepower.
motorType (String20)	A label representing the name of a certain category of motors in which the motor fits based on common features of construction with other motors in the same category.
noPhases (Integer)	The number of phases at which the motor was designed to operate.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
windType (CodeWindingConnectionType)	A label representing the configuration of the stator winding connections.
description (String255)	A description or other unique information concerning the subject item.
hertz (CodeHertz)	The frequency of the electrical signal that the motor creates.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Pedestal

(Database Feature Class Name = ElectricalPedestal)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above ground enclosure which provides access to underground cables. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Utility Pole Guy

(Database Feature Class Name = ElectricalPoleGuyConnectionPoi)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A support configuration, which generally includes connecting hardware, cables, and anchor components, used to stabilize structures (poles, towers, etc.). Down guys typically connect to the structures at key stress points and extend to an anchor at the gro [SDSFIE Anteon].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

anchorAtt (String15)	The type of anchor attachment to the pole or tower.
anchorType (String15)	The type of anchor used with this guy.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
design (String16)	Discriminator. The design code for a utility guy.
cblDia (Double)	The nominal diameter of the cable.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
guyLength (Double)	The length of the guy cable from pole connection to anchor.
cblMaterial (CodeElectricCable)	The material composition of the cable.
cblSht (CodeSheathInsulateType)	The type sheath attached to the guy cable.
cblTen (Double)	The tensile force applied to the guy cable.
cblType (String16)	The type of cable use for the guy.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
guyType (CodeUtilityGuyType)	A code indicating the configuration of the guy construction.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Utility Pole Guy Line

(Database Feature Class Name = ElectricalPoleGuyLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A support configuration that spans between two structures, which generally includes connecting hardware, cables, and anchor components. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Utility Pole Tower Site

(Database Feature Class Name = ElectricalPoleTower)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A structure used to elevate wires, cables, or other lines above the ground surface. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
design (String16)	Discriminator. The design code for types of poles.
capped (CodeBoolean)	Indicates whether or not the pole is capped (yes/no).
dateTreat (Date)	The date that the pole was last treated. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
grounded (CodeBoolean)	An indicator as to whether or not the pole is grounded. (yes or no)
poleLength (Double)	The overall length of the pole from tip to tip.
poleHeight (Double)	The height of the pole measured from the ground surface to the top.
material (String16)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
pClass (CodePoleClassificationType)	A classification of the pole diameter, and consequently the breaking strength, of wooden poles.
treatType (CodePoleTreatmentType)	Defines any treatment applied to the pole to improve its life.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Regulator

(Database Feature Class Name = ElectricalRegulator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An electrical device that maintains its output voltage at a certain level even though its input voltage varies in a certain range over time. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

dateManufactured (Date)	The date of manufacturer for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
coolType (CodeEquipmentCooling)	The method of controlling the temperature of the regulator.
installType (CodePumpSta)	The type installation of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
fuseRate (Integer)	The current rating of the fuse protecting the regulator. This will be on the primary side.
fuseType (CodeElectricSwitchType)	A label chosen from a standard list of labels describing the characteristics of the fuse.
oilCapacity (Double)	The manufacturer suggested volume of oil that should be maintained inside the regulator to assure safe and efficient operation.
prcntTap (Double)	The percentage of the voltage that will be changed by moving the connection up or down one tap.
kvaRate (Integer)	The maximum continuous complex power rating of the regulator.
secVolt (CodeVoltage)	The voltage on the load side of the regulator with the associated units given.
noPhases (Integer)	The number of phases regulated by this device.
noTaps (Integer)	The number of available points of connection on the regulator which may be used to change the voltage.
priVolt (CodeVoltage)	The voltage on the source side of the regulator with the associated units given.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
regType (CodeElectricVoltRegulType)	The type of voltage regulator.
regUse (CodeElectricDeviceUse)	An indication of whether the regulator is on a line or in a substation.
regWeight (Integer)	The force of the regulator toward the center of the earth due to the regulator's mass.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item..
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Riser

(Database Feature Class Name = ElectricalRiser)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where underground cable transitions to overhead. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
material (String16)	The material composition of the pole riser.
installDate (Date)	The date the riser was installed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Splice

(Database Feature Class Name = ElectricalSplice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The connection of two separate cables at their ends or the tapping of a conductor along the path of another conductor. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Substation

(Database Feature Class Name = ElectricalSubstation)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Secret

A facility in an electrical system where the voltage is reduced from transmission levels to distribution levels. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the substation.[USGS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
facilityName (String65)	A commonly used name for the facility.[HSIP].

Attributes:

voltOut (CodeVoltage)	The line-to-line output voltage of the substation.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

capacityOper (Double)	The normal continuous amount of complex power that the substation provides.
capacityRate (Double)	The maximum continuous amount of complex power that the substation can provide.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noTrans (Integer)	The total number of transformers presently in use at the substation.
noCircuit (Integer)	The total number of circuits that are being fed by the substation.
sstType (CodeSubstationType)	A label indicating the type of service that the substation performs (e.g. distribution substation, facility substation).
noSpares (Integer)	The number of spare bays for possible substation expansion.
voltIn (CodeVoltage)	The line-to-line voltage of the transmission line that is the source for the substation.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Switch

(Database Feature Class Name = ElectricalSwitch)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device which closes and opens (connects and disconnects) an electrical circuit. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
installType (String16)	Discriminator. The installation type code.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
voltage (CodeVoltage)	The system voltage of the electrical line at the point in which the switch is inserted.

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noPhases (Integer)	The number of phases opened by the switch
noSwitch (Integer)	The number of switches at this installation. Each switch has its own record.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
swCubNo (String20)	A locally assigned switching cubicle number or designator.
switchDim (String20)	A three dimensional description of the amount of space which a switch occupies (e.g., 2 x 1 x 4).
switchRat (Integer)	The maximum continuous amount of current to which the switch should be subjected.
swtSta (CodeStatusElectricSwitch)	The positional condition of a switch during normal circuit conditions (e.g., normally-open, normally closed).
swtType (CodeElectricSwitchType)	A label chosen from a standard list of labels indicating the characteristics of a switch.
swtWeight (Integer)	The force of the switch toward the center of the earth due to the switch's mass.
fuseSize (Double)	The size of the fuse associated with the switch.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
size (Integer)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Transformr Bank

(Database Feature Class Name = ElectricalTransformerBank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A location containing one or more transformers. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
noTrans (Integer)	The number of transformers in the transformer bank.
secVolt (CodeVoltage)	The line-to-line voltage of the electrical system that the transformer bank serves.

tranCap1 (Double)	The capacity of the first transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
tranCap2 (Double)	The capacity of the second transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
tranCap3 (Double)	The capacity of the third transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
mount (CodeElectricTranbnk)	Discriminator. The type of mounting for the transformer bank.
totalKva (Double)	The total kva rate for all transformers attached to the transformer bank.
feederNo (String20)	An operator generated identifier locally used to identify the feeder to the transformer bank.
priVolt (CodeVoltage)	The line-to-line voltage of the electrical system that serves as the source for the transformer bank.
dateInstalled (Date)	The date on which the feature was originally installed.
dateLastInspected (Date)	The last inspection date of the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
condition (CodePoleCondition)	The condition of the subject item when last inspected.
phase1 (CodeElectricPhase)	The phase number for the first transformer group.
kva1 (CodeElectricKvar)	The capacity of each transformer in a group. (i.e. 2-50kva / 1-25kva, 50 is the capacity of each transformer in the first group - 25 is the capacity of each transformer in the second group.) There can be no more than two groups in a bank.
noTfrs1 (Integer)	The number of transformers in the first group.
phase2 (CodeElectricPhase)	The phase number for the second transformer group.
noTfrs2 (Integer)	The number of transformers in the second group.
kva2 (CodeElectricKvar)	The capacity of each transformer in a group. (i.e. 2-50kva / 1-25kva, 50 is the capacity of each transformer in the first group - 25 is the capacity of each transformer in the second group.) There can be no more than two groups in a bank.
pcb (CodeBoolean)	A boolean indicating whether the transformer contains PCB's and can be classified as wet or not (YES = Y and NO = N)?[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Transformer Vault

(Database Feature Class Name = ElectricalTransformerVault)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An enclosure housing one or more transformers. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
noTrans (Integer)	The number of transformers housed inside the transformer vault.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Electrical : Utility Electric Utility Site

(Database Feature Class Name = ElectricalUtilitySite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An electrical power utility company or organization's certificated area of jurisdiction or responsibility as approved by a federal, state, or local utility regulatory authority. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
elutname (String50)	Name of electrical power utility or system.

Attributes:

numPipes (Integer)	Number of pipelines entering facility.[HSIP].
numLines (Integer)	Number of powerlines existing on a facility.[HSIP].
numGen (Integer)	Total number of power generators at the plant.[HSIP].
numStat (Integer)	Number of substations at the facility.[HSIP].
area (Double)	The size of the area, zone, or polygon in square units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
reConnect (Integer)	Total number of residential type service connections.
coConnect (Integer)	Total number of commercial (i.e., businesses, industrial) type service connections.
populationServed (Integer)	Population served by electrical power utility or system.
elecutmaaID (String30)	Identifier assigned to the electrical power utility or system by the appropriate federal, state, or local regulatory authority.
elecutcap (Double)	Total design capacity of the electrical power utility or system (e.g. megawatts per day).
utilown (CodeUtilityOwnershipType)	General category or type of electric utility or system owner.
elecsource (String50)	Source of electrical power distributed by electric utility (e.g., electrical power plants owned by utility, electrical power purchased from other utilities).
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: EMCS

EMCS : Cable

(Database Feature Class Name = EnergyCtrlMonCable)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Data transmission media, typically fiber optics or shielded twisted-pair. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

cblDim (CodeCableDimension)	The cable dimension.
cblLength (Double)	The overall cable length.
cblMaterial (CodeElectricCable)	The material composition of the cable.
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.
cblType (String16)	The type of cable connecting the devices.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
loosbuf (CodeBoolean)	An indicator as to whether or not the cable is loose buffered (yes/no).
dbLoss (Double)	Loss of a signal over a conductor expressed in decibels.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (String16)	Discriminator. The installation type code.
noLinks (Integer)	Number of links in the cable.
noPairs (Integer)	The number of pairs in a twisted pair cable.
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

EMCS : Device

(Database Feature Class Name = EnergyCtrlMonDevice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Devices used in an energy monitoring/control system to collect, process or transmit data signals. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

anlgIn (Integer)	The total number of analog-in ports on the device.
anlgInSp (Integer)	The number of spare analog-in ports.
anlgOt (Integer)	The total number of analog-out ports on the device.
anlgOtSp (Integer)	The number of spare analog-out ports.
dateManufactured (Date)	The date of manufacturer for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
devType (CodeEcmDevice)	Discriminator: This value differentiates similar entities by use or type.
installType (CodePumpSta)	The type installation of the subject item.
dgtlIn (Integer)	The total number of digital-in ports on the device.
dgtlInSp (Integer)	The number of spare digital-in ports.
dgtlOt (Integer)	The total number of digital-out ports on the device.
dgtlOtSp (Integer)	The number of spare digital-out ports.
readout (CodeDisplayType)	The type of display or readout for the device.
noPairlnk (Integer)	The number of twisted pair linked to the device.
description (String255)	A description or other unique information concerning the subject item.
locationDesc (String50)	Text description of location of item
manufacturerName (String60)	Manufacturer's name
sensorNumber (Integer)	Sensor number associated with item
inspectionFormNo (String50)	Form number used by inspectorswhen inspecting the item,
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
impedance (Double)	The overall device resistance measured in ohms.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

EMCS : Ductbank

(Database Feature Class Name = EnergyCtrlMonDuctbank)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A structure containing multiple conduits used to protect underground cables. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

ductMat (CodePipeMaterial)	The material composition of the ductbank.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dbkLength (Double)	The total length of the ductbank from source to load. Manholes and pullboxes should not break the measurement.
dbkSize (Double)	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
voltage (CodeVoltage)	The voltage of the electrical control monitoring ductbank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noDucts (Integer)	The total number of ducts in the ductbank.
noSpares (Integer)	The total number of ducts not used in the ductbank.
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

EMCS : Junction

(Database Feature Class Name = EnergyCtrlMonJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault located below grade with above grade access where cables intersect, connect, or pass through. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
type (String16)	Discriminator. The code that represents the type of Junction.
description (String255)	A description or other unique information concerning the subject item.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (Integer)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

EMCS : Marker

(Database Feature Class Name = EnergyCtrlMonMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of an energy control monitoring station. [SDSFIE NGA/NIMA].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: FAA

FAA : Cable

(Database Feature Class Name = CableLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A group of conductors used to carry electrical energy or transmit communications from point to point.

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the feature.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
condSize (CodeCableDimension)	The size of a single ungrounded conductor in the cable group in American Wire Gauge (AWG) units.
cblType (CodeElectricCable)	This value differentiates similar entities by use or type.[REEGIS].
catnav (CodeNavigationLineType)	Category of navigation line[S-57].
cblLength (Double)	The length of the cable between nodes.
cblMaterial (CodeElectricCable)	The material composition of the cable.
cfgType (CodeElectricConfigType)	The cable mounting configuration on the pole or tower.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
voltage (CodeVoltage)	The system voltage applied to the cable group.
installType (CodeElectricCable)	Discriminator. The installation type code.
insulMaterial (CodeSheathInsulateType)	The type of material with which the conductors are insulated from each other and from their surroundings.
neutSize (CodeCableDimension)	The size of a single neutral conductor in American Wire Gauge (AWG) units.
noConduct (Integer)	The total number of ungrounded conductors in the cable.
noNeutral (Integer)	The total number of grounded conductors in a ductbank.
noPhases (Integer)	The number of phases routed by this cable group.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
cabUse (CodeCableUse)	Discriminator - The overall use of the cable.
diameter (Double)	The width of a cylindrical or circular cable.[Tinker Air Force Base].
cabElev (CodeCableElevation)	The vertical location of the cable.[Tinker Air Force Base].
verticalClearance (Double)	The clearance in feet between the lowest point under the cable line and the water's surface at Mean High Water (MHW) referenced to a reading on the appropriate gage.[REEGIS].
cblSht (CodeSheathInsulateType)	The type of cable sheathing or insulation.[Tinker Air Force Base].
coffset (Double)	The distance to the cable as measured from the edge of a paved surface.[Tinker Air Force Base].
icefacClr (Double)	The clearance in feet between the lowest point under the cable line and the ice facility surface.[S-57].

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

FAA : Ductbank

(Database Feature Class Name = Ductbank)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A tubular structure that provides protection for underground cables contained in conduit.

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Name of the electrical underground conduit.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

ductMat (CodePipeMaterial)	An indication of the type of material of which the duct is composed.
dbkLength (Double)	The total length of the ductbank from source to load. Manholes and pullboxes should not break the measurement.
dbkSize (Double)	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
voltage (CodeVoltage)	The maximum voltage in the ductbank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noDucts (Integer)	An indicator of the number of conduits or wireways found in the ductbank.
noSpares (Integer)	The number of spare ducts enclosed in the ductbank for future use.
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
noDucts (Integer)	The total number of ducts in the ductbank.
noDuHigh (Integer)	The number of ducts in the y-direction
noDuWide (Integer)	The number of ducts in the x-direction
noSpares (Integer)	The total number of ducts not used in the ductbank.
concEnc (CodeBoolean)	A Boolean indicating whether the ductbank is encased in concrete.[Tinker Air Force Base].
diameter (Double)	Diameter (if round).[AIR FORCE].
width (Double)	Width of horizontal cross section.[AIR FORCE].
height (Double)	Height.[AIR FORCE].

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

FAA : Junction

(Database Feature Class Name = ElectricalJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or metal) typically located below grade with above grade access in which cables intersect, connect, or pass through. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
drainType (CodeDrainType)	The type of subject item drain.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
floorElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
Material (String16)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
noCables (Integer)	The number of the cables entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
juncType (CodeJuncType)	The type of junction (e.g. manhole, handhole, other)

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Fuel

Fuel : Air Eliminator

(Database Feature Class Name = FuelAirEliminator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device or structure placed in the fuel distribution system to separate air from petroleum products. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Anode

(Database Feature Class Name = FuelAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A material used for fuel distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
anodeWeight (Double)	The initial weight of the anode or anode packet.
material (CodeAnodes)	The type of material composition of the anode or anode packet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Anode Test Station

(Database Feature Class Name = FuelAnodeTestStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in fuel systems. [SDSFIE HSIP].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
noTerm (Integer)	The total number of terminal connections at the test station.
type (String16)	The type of anode test station configuration use.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
wireType (String16)	The conductor configuration, typically solid or stranded.
description (String255)	A description or other unique information concerning the subject item.
installType (CodeSheathInsulateType)	The type of insulate installed.
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Farm Site

(Database Feature Class Name = FuelFarmLocation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An area designated for the storage of POL products which normally includes multiple tanks (above or below ground), berms, and monitoring wells. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	A commonly used name for the feature.[HSIP].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
numPipes (Integer)	The quantity of pipes that access the fuel farm.[HSIP].
jetCapacity (Double)	The quantity of jet fuel that can be stored in the facility.[HSIP].
lubCapacity (Double)	The total storage capacity of lubricants at the fuel farm.[HSIP].
gasCapacity (Double)	The total gas storage capacity for the fuel farm.[HSIP].
numTanks (Integer)	The total number of tanks in the fuel farm.[HSIP].
oilCapacity (Double)	The quantity of oil that can be stored in the facility.[HSIP].
strgpet (CodeBoolean)	A boolean indicating whether the farm is a part of the Strategic Petroleum Reserve (Y - is a part of the reserve, N - is not a part of the reserve)?[HSIP].
material (String16)	
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Filter Strainer

(Database Feature Class Name = FuelFilterStrainer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device through which fuel is passed to remove impurities to the fuel. Usually placed in fuel lines near fill points. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Fitting

(Database Feature Class Name = FuelFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying fuel. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
fitLength (Double)	The overall length of the fitting.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1 gas hydrant, 2 meter, 6 pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
coverDepth (Double)	Depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line fitting.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Hydrant

(Database Feature Class Name = FuelHydrant)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Location where fuel is control discharged to users. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
nozzleNr (Integer)	The number of fuel system hydrant cart nozzles.[Air Force].
Attributes:	
hydrantType (CodeHydrantType)	The particular kind, class, or group of hydrant.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
outcon1dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the largest hydrant outlet.
outcon2dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the second largest hydrant outlet.
outcon3dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the smallest hydrant outlet.
pressResd (Double)	The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
pressStat (Double)	The numeric pressure head on the subject item under static (i.e., no flow or demand) conditions in the utility system.
valveSt (CodeStyleValve)	The style of the valve.
noHydrnts (Integer)	The number of Refill for the hydrants.[Air Force].
nozzlType (CodeNozzleType)	Fuel System Hydrant Cart Nozzle Type Code.[Air Force].
truckNr (Integer)	The number of the cart truck.[Air Force].
truckType (CodeTruckType)	The different code types of the cart truck.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
remarks (String255)	Any narrative remarks about the fuel hydrant .[Air Force].
hydrantElvevation (Integer)	The elevation of the hydrant.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Junction

(Database Feature Class Name = FuelJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in fuel systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
airrfValve (CodeBoolean)	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
noValves (Integer)	The number of valves inside the subject item.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
status (CodeStatus)	The status of the manhole indicating its' usability.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Line

(Database Feature Class Name = FuelLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry fuel from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
catProt (CodeBoolean)	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
fuelType (CodeFuel)	The type of fuel transported in this pipe.
pressNorm (Double)	The normal operating pressure of the fuel pipe.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	Discriminator. The use code for a fuel line.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1 gas hydrant, 2 meter, 6 pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
piplty (CodePipelineLocationType)	The location of the pipeline in relevance to the earth's surface.[USGS].
coverDepth (Double)	Depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line pipe.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.

impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Marker

(Database Feature Class Name = FuelMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of fuel lines. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Meter

(Database Feature Class Name = FuelMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of fuel to a facility or through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
meterCustomer (String20)	The name of the individual, company, or government agency served by the subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1 gas hydrant, 2 meter, 6 pipe).
srvcMtr (CodeBoolean)	An indicator as to whether or not the meter is installed on a service line? (yes or no)
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Oil Water Separator

(Database Feature Class Name = FuelOilWaterSeparator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A filtering device placed in the fuel stream specifically to remove oil and water from the fuel. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
sepName (String12)	The site specific identification name or number assigned to the subject item.
Attributes:	
datePerX (Date)	The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
disposal (String30)	Brief description of how the waste is disposed.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
flowCapacity (Double)	The flow capacity of the subject item.
oilCapacity (Double)	The retention capacity of the oil-water separator.
sepCode (String2)	The oil-water separator code. Usually defined as OW.
sepContnt (String20)	Separator contents
tempOptim (Double)	The optimum operating temperature for the subject item.
separationProcess (String30)	The specific type of separation process.
sepVolume (Double)	The volume of the oil-water separator.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be

	used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Pump

(Database Feature Class Name = FuelPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for a fuel system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
outflwAct (Double)	The actual measured pump flow output.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
primeMethod (String15)	The method by which the pump is primed.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
type (String16)	A field indicating the kind, class, or group of the subject item.
bank (CodeBankSide)	The bankside of the river that the feature is located on.[USACE].
riverMile (Double)	River mile marker.[USACE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Pump Booster Station

(Database Feature Class Name = FuelPumpBoosterStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to supply material flowing at adequate pressure to or from a fuel distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the fuel pump booster station point.[USGS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
design (CodePumpSta)	Discriminator. The design of the pump/booster station.
capacityAlrm (Double)	Capacity alarm level.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
fuelSrc (CodeSourceListFuelGas)	The source of fuel for the pumps.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
staCapacity (Double)	The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
staLength (Double)	The length dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
staType (CodePumpSta)	The type of station.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
noPumps (Integer)	The total number of pumps located at the subject item.
prodct (CodePipelineProduct)	The product being pumped or carried by the pipeline.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Rectifier

(Database Feature Class Name = FuelRectifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the fuel distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.
voltIn (CodeVoltage)	The input AC voltage to the rectifier.
currntOut (Double)	The output direct current from the rectifier to the anode system.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.
noPhases (Integer)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Regulator Reducer

(Database Feature Class Name = FuelRegulatorReducer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pressure regulator located in the fuel line automatically reduces the pressure on the downstream side of the valve to a preset magnitude. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
pressIn (Double)	The design fuel system pressure in the line on inlet side of the pressure regulator.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressOut (Double)	The design or maximum system pressure in the line on outlet side of the pressure reducing station.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1 gas hydrant, 2 meter, 6 pipe).
pressReqd (Double)	The required maximum outlet pressure setting for the regulator.
type (String16)	Discriminator. The kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Source

(Database Feature Class Name = FuelSource)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The point from which the fuel is supplied a product for processing and distribution. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (CodeFuelSource)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Tank

(Database Feature Class Name = FuelTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above or below grade receptacle or chamber for holding fuels on a temporary basis prior to transfer or use. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
headNorm (Double)	The normal operating head for the subject item.
fuelType (CodeFuel)	The type fuel stored in the tank.
pressNorm (Double)	The normal operating pressure of the fuel tank.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
tankSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tankUse (CodeTankUse)	The particular kind or use of the tank.
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
strgpet (CodeBoolean)	A boolean indicating whether there is a Strategic Petroleum Reserve (Y = YES or N = NO).[HSIP].
numTanks (Integer)	Maximum number of storage tanks, all POL.[HSIP].
numPipes (Integer)	Number of pipelines entering/exiting facility.[HSIP].
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
fllstandrt (Integer)	The Rate of the Fillstand.[Air Force].
resplyCap (Double)	The Resupply Capacity.[Air Force].
secCont (CodeBoolean)	A boolean indicating whether or not the secondary containment that is present (Y = YES or N = NO).[AIR FORCE].
secContam (String255)	A description of the secondary containment that is present.[Army].
description (String255)	A description or other unique information concerning the subject item.
remarks (String255)	The narrative remarks about the fuel tank.[Air Force].
color (CodeColor)	The color of the fuel tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.

markingFeatureType (CodeMarkingFeatureType)	The type of the marking
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Transmission Pipeline

(Database Feature Class Name = FuelTransPipeline)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

An interstate or intrastate transmission line through which gas, oil, or hazardous liquid is transported for the purpose of supplying a local utility. [SDSFIE DOT - NPMS].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the pipeline.[USGS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
sysName (String40)	The name of a single pipeline system.[DOT - NPMS].

Attributes:

operNm (String40)	The name of the company or organization that physically operates the pipeline system.[DOT - NPMS].
catPipe (CodePipeCategory)	Category of pipe[S-57].
verticalClearance (Double)	Vertical Clearance of pipeline[S-57].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
piprod (CodePipelineProduct)	Discriminator. The type of product carried by pipeline.[HSIP].
diameter (Double)	The diameter of the pipeline in either mm or cm.[HSIP].
tankSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g. elevated, on ground, below ground, floating, on water body bottom.).[HSIP].
capacity (Double)	The capacity of the pipeline.[HSIP].
intersta (CodeBoolean)	Indication whether or not (yes or no) pipeline is an interstate pipeline. Yes = interstate, No = Intrastate.[DOT - NPMS].
cmdtyDesc (String255)	Comma separated list of the names of commodities carried by the pipeline system.[DOT -

	NPMS].
commody1 (CodePipelineProduct)	Code designation for the primary commodity carried by the pipeline system.[DOT - NPMS].
commody2 (CodePipelineProduct)	Code designation for a secondary commodity carried by the pipeline system (if applicable). Empty (EMT) is not valid.[DOT - NPMS].
commody3 (CodePipelineProduct)	Code designation for an additional secondary commodity carried by the pipeline system (if applicable). Empty (EMT) is not valid.[DOT - NPMS].
prodct (String255)	A description of the product that is being carried in pipeline.[S-57].
length (Double)	The overall length of the feature.[Center].
vertLoc (CodeVerticalLocation)	The vertical location for the pipeline relative to the surface.[USGS].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
impedance (Double)	The number representing the total opposition to flow.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Transmission Pipeline Segment Line

(Database Feature Class Name = FuelTransPipelineSegmentLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A linear feature representing part or all of a pipeline system. A pipeline segment must have only two ends. No branches are allowed. A pipeline segment may be a straight line or may have any number of vertices. Each pipeline segment must be uniquely i [SDSFIE CGDII].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).[DOT - NPMS].
posAcc (CodePosAccuracyQuality)	Estimated positional accuracy of the feature.[DOT - NPMS].
length (Double)	The length of pipe, measured from node to node along the pipeline segment

	centerline.[DOT - NPMS].
subsysNm (String40)	Name for the pipeline segment, or smaller sub-section of the pipeline system.[DOT - NPMS].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Refinery Site

(Database Feature Class Name = FuelTransRefinery)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An establishment where fossil fuels are refined. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
refName (String50)	The name of the refinery.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
cogenCap (Double)	The co-generation capacity of the refinery in Kw.[HSIP].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
heProd (Double)	The total production capacity of helium for the refinery.[HSIP].
prodCap (Double)	The total production capacity for the refinery.[HSIP].
sProd (Integer)	The total sulpher production produced at the refinery.[HSIP].
h2Prod (Double)	The total production capacity of hydrogen for the refinery.[HSIP].
cokeProd (Double)	The total coke production capacity of the refinery.[HSIP].

co2Prod (Integer)	The total carbon dioxide production capacity of the refinery.[HSIP].
chrgCap (Double)	The total charge capacity of the refinery.[HSIP].
distillateProduction (Double)	The total distillate production capacity of the refinery.[HSIP].
asphProd (Double)	The production capacity of asphalt for the refinery.[HSIP].
capacity (Double)	The Plant capacity.[HSIP].
sprAccess (String32)	Access to Strategic Petroleum Reserve: none, water, pipeline.[HSIP].
distillateType (CodeDistallateProductioType)	The different Distillate Production Types.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Fuel : Valve

(Database Feature Class Name = FuelValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a fuel line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the fuel valve point.[USGS].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	The site specific use of the valve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
valveDiameter (CodePipeDiameter)	The manufacturer's nominal diameter.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).

coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Gas

Gas : Anode

(Database Feature Class Name = GasAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A material used for natural gas distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
anodeWeight (Double)	The initial weight of the anode or anode packet.
material (CodeAnodes)	The type of material composition of the anode or anode packet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Anode Test Station

(Database Feature Class Name = GasAnodeTestStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in natural gas systems. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
installType (CodeSheathInsulateType)	The type of insulation covering the conductor.
noTerm (Integer)	The total number of terminal connections at the test station.
type (String16)	The type of anode test station configuration use.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
wireType (String16)	The conductor configuration, typically solid or stranded.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Fill Point

(Database Feature Class Name = GasFillPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Location where gas is control discharged to users. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
hydrantType (CodeHydrantType)	The particular kind, class, or group of hydrant.
outcon1dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
outcon2dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon3dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
gasType (CodeFuel)	The type of fuel or gas dispensed, carried, used or otherwise handled by the subject item.
hydrantElvevation (Double)	The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.
source (CodeSourceListFuelGas)	The source of fuel for the subject item.
pressResd (Double)	The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
pressStat (Double)	The numeric pressure head on the subject item under static (i.e., no flow or demand) conditions in the utility system.
valveSt (CodeStyleValve)	The style of the valve.
capacity (Double)	The storage capacity of the hydrant.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Fitting

(Database Feature Class Name = GasFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Hardware used to cap, plug, or join pieces of pipe. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fittinLength (Double)	The overall length of the fitting.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1 gas hydrant, 2 meter, 6 pipe).
type (String16)	Discriminator. The kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Junction

(Database Feature Class Name = GasJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in natural gas systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

airrfValve (CodeBoolean)	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
noValves (Integer)	The number of valves inside the subject item.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Light

(Database Feature Class Name = GasLight)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A point graphic representing the location of a gas light fixture. A gas light fixture utilizes gas as it's energy source and contains a flame used for illumination of an area. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fixHeight (Double)	The height of the fixture above a given reference, usually the grounds surface.
fixType (String20)	The type of fixture.
fixUse (CodeGasFixtureUse)	The use or purpose of the gas fixture.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
gasType (CodeFuel)	The type of fuel or gas dispensed, carried, used or otherwise handled by the subject item.
useRate (Integer)	The fuel/gas usage rate for the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Line

(Database Feature Class Name = GasLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry natural gas from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
catProt (CodeBoolean)	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
gasType (CodeFuel)	The type of fuel or gas dispensed, carried, used or otherwise handled by the subject item.
pressNorm (Double)	The normal operating pressure of the gas pipe.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	Discriminator. The use code for natural gas pipes.
source (CodeSourceListFuelGas)	The source of fuel for the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
piplty (CodePipelineLocationType)	The location of the pipeline in relevance to the earth's surface.[USGS].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
mapLevel (Integer)	From the MES database, it denotes the numeric Level that the feature is associated with; i.e., 6 for Level 6, etc.
mapColor (CodeColor)	From the MES database, it denotes the numeric Level that the feature is associated with; i.e., 6 for Level 6, etc.
mapLayerNo (Integer)	From the MES database, it denotes the textual (label) Level that the feature is associated with; i.e., Level 6 for 6, etc.)
entityType (String16)	From the MES database,
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Marker

(Database Feature Class Name = GasMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate natural gas. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Meter

(Database Feature Class Name = GasMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of gas to a facility or through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
meterCustomer (String20)	The name of the individual, company, or government agency served by the subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation of the meter above a specific datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
source (CodeSourceListFuelGas)	The source of fuel for the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
srvcMtr (CodeBoolean)	An indicator as to whether or not the meter is installed on a service line? (yes or no)
type (String16)	A field indicating the kind, class, or group of the subject item.
pressMax (Double)	Maximum working pressure.
capacity (Double)	Capacity of the gas meter.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Pump

(Database Feature Class Name = GasPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for natural gas system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

outflwAct (Double)	The actual measured pump flow output.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be

	used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Pump Station

(Database Feature Class Name = GasPumpStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to maintain flow at adequate pressure within a natural gas distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
capacityAlrm (Double)	Capacity alarm level.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
staCapacity (Double)	The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
staLength (Double)	The length dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
staType (String16)	Discriminator. The type of station.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
noPumps (Integer)	The total number of pumps located at the subject item.
pressOper (Double)	The normal operating gas system pressure in the gas line on the inline side of the station.
pressOut (Double)	The design or maximum system pressure in the line on outlet side of the pumping station.
source (CodeSourceListFuelGas)	The source of fuel for the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Rectifier

(Database Feature Class Name = GasRectifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the natural gas distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.
voltIn (CodeVoltage)	The input AC voltage to the rectifier.
voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
currntOut (Double)	The output direct current from the rectifier to the anode system.
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.
noPhases (Integer)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Reducer

(Database Feature Class Name = GasReducer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pressure regulator automatically reduces the pressure on the downstream side of the valve to a preset magnitude. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
pressIn (Double)	The design gas system pressure in the line on inlet side of the pressure regulator.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressOut (Double)	The design or maximum system pressure in the line on outlet side of the pressure reducing station.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
pressReqd (Double)	The required maximum outlet pressure setting for the regulator.
type (String16)	Discriminator. The kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Source

(Database Feature Class Name = GasSource)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The point from which natural gas is supplied for processing and distribution. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
type (CodeFuel)	A field indicating the kind, class, or group of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item
size (Integer)	The size of the subject item
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Tank

(Database Feature Class Name = GasTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above or below grade receptacle or chamber used for holding natural gas on a temporary basis prior to transfer or use. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
headNorm (Double)	The normal operating head for the subject item.
pressNorm (Double)	The manufacturer's (as rated by American Society of Mechanical Engineers (ASME) testing procedures) maximum pressure rating of the gas tank.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tankUse (CodeTankUse)	The particular kind or use of the tank.
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
numStruct (Integer)	The total number of gas storage structures that exist on the plant.[HSIP].
featureUse (String16)	The Descriptive Shape Code.[Army].
lngFac (CodeBoolean)	LNG facility (Y or N).[HSIP].
description (String255)	A description or other unique information concerning the subject item.
ustSensor (CodeBoolean)	Whether or not a sensor exists on the tank.
color (CodeColor)	The color of the gas tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item
source (String255)	The source of the feature.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this

	feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Gas : Valve

(Database Feature Class Name = GasValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a natural gas line. [SDSFIE NGA/NIMA].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	Discriminator. The site specific use of the valve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
valveDiameter (CodePipeDiameter)	The manufacturer's nominal diameter.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line valve.[CENTER].
endDate (Date)	The date the evacuation route ended. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[NGA/NIMA].
branchSys (String12)	An operator generated identifier that is a unique site specific name or number designation of a branch or isolated area of a natural gas distribution system.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	The material of the subject item

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: HCS

HCS : Anchor

(Database Feature Class Name = HeatCoolAnchorPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A structure, typically concrete, used to either guide the expansion of pipes or used to fix the movement of some part of the expansion section. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

anchType (CodeHcsAnchor)	Discriminator. This value differentiates similar entities by use or type.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
size (Integer)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Anode

(Database Feature Class Name = HeatCoolAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device used in utility distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
anodeWeight (Double)	The initial weight of the anode or anode packet.
material (CodeAnodes)	The type of material composition of the anode or anode packet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Anode Test Station

(Database Feature Class Name = HeatCoolAnodeTestStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in heating/cooling systems. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

installType (CodeSheathInsulateType)	The type of insulation covering the conductor.
noTerm (Integer)	The total number of terminal connections at the test station.
type (String16)	The type of anode test station configuration use.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
wireType (String16)	The conductor configuration, typically solid or stranded.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Fitting

(Database Feature Class Name = HeatCoolFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise attach to a heating and cooling system pipe. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fitElv (Double)	The elevation measured at centerline of the fitting, in feet (English units) or meters (SI units) above some datum.
diaIn (Double)	The inside, or interior, diameter of the fitting.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
fitLength (Double)	The overall length of the fitting.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	Discriminator. The kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground heating and cooling system line fitting.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Junction

(Database Feature Class Name = HeatCoolJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in heating/cooling systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

airrfValve (CodeBoolean)	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
noValves (Integer)	The number of valves inside the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
area (Double)	The size of the area, zone, or polygon in square units.[Cherry Point].
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.[Cherry Point].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Line

(Database Feature Class Name = HeatCoolLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry a heating/cooling substances from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
catProt (CodeBoolean)	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
expLoop (CodeBoolean)	The expansion loop of the heating and cooling system.
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
groundElevation1 (Double)	The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
groundElevation2 (Double)	The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
tape (CodeBoolean)	Location marker tape or wire is installed above underground pipe to facilitate locating with a magnetometer? (yes or no).
featureUse (String16)	Discriminator. The use code for heating and cooling pipes.
pressNorm (Double)	The normal operating pressure of the heating and cooling system pipe.
tempNorm (Double)	The normal operating temperature of the subject item.
tempMax (Double)	The manufacturer's or industry standard's maximum temperature rating of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground heating and cooling system line pipe.[Air Force].
description (String255)	Narrative text providing a brief description of the feature.[Cherry Point].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this

	feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Marker

(Database Feature Class Name = HeatCoolMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc., installed either directly above or immediately adjacent heating/cooling equipment marking its location. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Meter

(Database Feature Class Name = HeatCoolMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of water to a facility or through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
meterCustomer (String20)	The name of the individual, company, or government agency served by the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
srvcMtr (CodeBoolean)	An indicator as to whether or not the meter is installed on a service line? (yes or no)
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Plant Area

(Database Feature Class Name = HeatCoolPlantArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A building or structure containing boilers, furnaces, chillers, pumps and appurtenant equipment to produce the water temperature/pressure combinations which are distributed to other buildings and facilities. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

capacCool (Double)	The plant's rated capacity (e.g., tons), which signifies the peak constant cooling ability of the plant.
capacHeat (Double)	The plant's rated capacity (e.g. boiler_hp), which signifies the peak constant heating ability of the plant.
area (Double)	The size of the area, zone, or polygon in square units.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressCool (Double)	The nominal chilled water pressure leaving the plant.
pressHeat (Double)	The nominal hot water or steam pressure leaving the plant.
prodType (CodeHeating-CoolingType)	The type of product (chilled water, high temp, etc) produced at this plant.
tempCool (Double)	The nominal chilled water temperature leaving the plant.
tempHeat (Double)	The nominal hot water temperature leaving the plant.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
plantElv (Double)	The finished floor elevation of the energy plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Double)	The overall length dimension of the energy plant.
plantwidth (Double)	The overall width dimension of the energy plant.
type (String16)	Discriminator. The kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.

dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Pump

(Database Feature Class Name = HeatCoolPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for heating and cooling system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
capacityAct (Double)	The measured capacity of the pump operating under actual normal head and flow conditions.
capacityRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pwrReq (CodeVoltage)	The voltage of the electrical power required by the subject item.
primeMethod (String15)	The method by which the pump is primed.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
tdhRated (Double)	The total dynamic head upon which the capacity_rated is based.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be

	used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Rectifier

(Database Feature Class Name = HeatCoolRectifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.
voltIn (CodeVoltage)	The input AC voltage to the rectifier.
voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
currntOut (Double)	The output direct current from the rectifier to the anode system.
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.
noPhases (Integer)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
size (Integer)	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Regulator

(Database Feature Class Name = HeatCoolRegulator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A regulator located in the heating/cooling line that automatically reduces the pressure on the downstream side of the valve to a preset magnitude. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressIn (Double)	The design water system pressure in the waterline on inlet side of the pressure regulator.
pressOut (Double)	The design water system pressure in the waterline on outlet side of the pressure regulator.
pressReqd (Double)	The required maximum outlet pressure setting for the regulator.
regElevation (Double)	The elevation of the pressure regulator, measured at the regulator centerline.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	The kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

HCS : Valve

(Database Feature Class Name = HeatCoolValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a heating and cooling line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	The site specific use of the valve.
valveSize (Double)	The manufacturer's nominal size designation.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground heating and cooling system line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

HCS : Vault

(Database Feature Class Name = HeatCoolVault)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

airrfValve (CodeBoolean)	
area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	
drainType (CodeDrainType)	
groundElevation (Integer)	
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
junctionType (CodeJunctionType)	
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
mhDia (Double)	
mhLength (Double)	
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
modelNumber (String20)	The model number of the feature.
description (String255)	A description or other unique information concerning the subject item.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
noValves (Integer)	The number of the valves.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
perimeter (Integer)	
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
size (Integer)	The size of the subject item
type (String16)	
use (String50)	Use of the feature.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Industrial_Waste

Industrial_Waste : Anode

(Database Feature Class Name = IndustrialWasteAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A material used in industrial waste distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

anodeWeight (Double)	The initial weight of the anode or anode packet.[FGDC Utilities Classification].
material (CodeAnodes)	The type of material composition of the anode or anode packet.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
dateInstalled (Date)	The date on which the feature was originally installed.
dateLastInspected (Date)	The date the anode was last inspected or checked. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

Industrial_Waste : Anode Test Station

(Database Feature Class Name = IndustrialWasteAnodeTestSta)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in industrial waste system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

installType (CodeSheathInsulateType)	The type of insulation covering the conductor.[FGDC Utilities Classification].
noTerm (Integer)	The total number of terminal connections at the test station.[FGDC Utilities Classification].
type (String16)	The type of anode test station configuration use.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.[FGDC Utilities Classification].
wireType (String16)	The conductor configuration, typically solid or stranded.[FGDC Utilities Classification].
description (String255)	A description or other unique information concerning the subject item.[FGDC Utilities Classification].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Discharge Point

(Database Feature Class Name = IndustrialWasteDischargePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any location where industrial waste water pipes directly discharge effluent. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
type (String16)	A field indicating the kind, class, or group of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Fitting

(Database Feature Class Name = IndustrialWasteFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying industrial waste. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

fitDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fitLength (Double)	The overall length of the fitting.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	Discriminator. The kind, class, or group of the subject item.
fitloc (CodeWasteFittingLocation)	A coded value designating the location of the fitting.[Cherry Point].
estimatedDischarge (Integer)	Estimated discharge through, or from, fitting.[Cherry Point].
dischargedMaterial (String20)	Material being discharged, or potentially discharged.[Cherry Point].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground heating and cooling system line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Grit Chamber

(Database Feature Class Name = IndustrialWasteGritChamber)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A chamber designed to remove sand, gravel, or other heavy solids that have subsiding velocities or specific gravities substantially greater that those of the organic solids in the waste water in the industrial waste system. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main

utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
oWSep (CodeBoolean)	An indicator as to whether or not grit chamber has an integrated oil-water separator. (yes or no)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowCapacity (Double)	The flow capacity of the subject item.
gritType (String12)	The predominate type of grit collected in the grit chamber.
storCapacity (Double)	The grit chamber overall storage capacity.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Headwall Line

(Database Feature Class Name = IndustrialWasteHeadwallLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A wall (of any material) depicted as a line at the end of a culvert or drain to serve one or more of the following purposes: protect fill from scour or undermining; increase hydraulic efficiency, divert direction of flow, and serve as a retaining wall. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Headwall

(Database Feature Class Name = IndustrialWasteHeadwallPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A wall (of any material) depicted as a point at the end of a culvert or drain to serve one or more of the following purposes: protect fill from scour or undermining; increase hydraulic efficiency, divert direction of flow, and serve as a retaining wall. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
topElevation (Double)	The elevation of the top of wall above the pipe.
length (Double)	The overall length of the feature.[Center].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Inlet

(Database Feature Class Name = IndustrialWasteInlet)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where water is collected and received into the utility system. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityDgn (Double)	The design flow capacity of the subject item.
inletSt (CodeInlets)	The step domain code for an inlet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
weirElevation (Double)	Elevation of the weir invert.
estimatedDischarge (Integer)	Estimated quantity of discharge to inlet.[Cherry Point].
dischargedMaterial (String20)	Material being discharged, or potentially discharged.[Cherry Point].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Junction

(Database Feature Class Name = IndustrialWasteJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in industrial waste systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
linerType (CodeManholeLinerType)	The type of liner used if the pit/manhole is used for neutralizing chemicals.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
reactant (String30)	The chemical in the incoming waste stream being neutralized.
neutAgent (String30)	The chemical agent in the pit which chemically neutralizes the in stream reactant.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
estimatedDischarge (Integer)	Estimated quantity of discharge from subject feature.[Cherry Point].
dischargedMaterial (String20)	Material being discharged, or potentially discharged.[Cherry Point].
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.[USMC].
azimuth (Double)	A direction clockwise in degrees from magnetic north indicating location of pipe opening

	in manhole.[USMC].
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Lagoon

(Database Feature Class Name = IndustrialWasteLagoon)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A shallow man made pool or pond for the purpose of holding industrial waste. [SDSFIE].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
labName (CodeLaboratory)	The name of the laboratory primarily responsible for completing the required tests for the subject item.
monAgency (String15)	The regulator agency that monitors inflow, containment, and discharge for the subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
aerator (CodeBoolean)	Indicates whether or not the lagoon has aerators. (yes/no)
aeratorPow (Double)	The power rating for the aerator, usually in terms of horse power (hp).
area (Double)	The size of the area, zone, or polygon in square units.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
dateAnl (Date)	Date on which water quality analyses were performed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of containment measured from normal operating pool.

lgnLength (Double)	The average length of the lagoon.
lgnWidth (Double)	The average width dimension of the lagoon, measured from top of opposite side slopes.
manageOff (String12)	The managing office/organization.
testType (CodeSewageTestType)	The type of test used to evaluate the contained material.
invElvAv (Double)	The average elevation of the bottom of the lagoon.
labType (CodeLaboratoryType)	The type of the laboratory primarily responsible for completing the required tests for the subject item.
userInd (CodeBoolean)	An indicator as to whether or not the lagoon is used for industrial wastewater. (yes or no)
userSan (CodeBoolean)	An indicator as to whether or not the lagoon is used for wastewater. (yes or no)
smplFreq (Integer)	The frequency at which material sampling is conducted.
soilCdn (CodeSoilConsistency)	The consistency of the soil indicating soil condition and strength.
werOutl (CodeBoolean)	An indicator as to whether or not the subject item has weir outlets. (yes or no)
xDikes (CodeBoolean)	An indicator whether cross dikes exists in the subject item or not (yes or no).
outCntr (String12)	The outlet control.
noPipesI (Integer)	The number of pipes discharging into the subject item.
noPipesO (Integer)	The number of pipes carrying material/fluid out of the subject item.
noPumps (Integer)	The total number of pumps located at the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
soilEro (CodeSoilsErosionK)	The erosion potential of the soil.
soilFam (CodeSoilsFamily)	The soil family.
soilTex (CodeSoilsTexture)	The soil texture.
pipOutl (CodeBoolean)	An indicator as to whether or not the lagoon has pipe outlets. (yes or no)
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (CodePipeMaterial)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Line

(Database Feature Class Name = IndustrialWasteLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry industrial waste material from location to location (main line, service line, force main line, etc). [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the pipe.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the pipe.
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
lined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
featureUse (String16)	Discriminator. The use code for wastewater lines.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
pressNorm (Double)	The normal operating pressure of the industrial waste water pipe.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground industrial waste line pipe.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Marker

(Database Feature Class Name = IndustrialWasteMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate industrial waste. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Meter

(Database Feature Class Name = IndustrialWasteMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of waste through a section of line. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

design (String16)	Discriminator: The design of the water meter.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation of the meter above a specific datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The ground elevation at the subject item.
meterDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
meterLength (Double)	The overall length of the meter.
meterWidth (Double)	The overall width dimension of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Neutralizer

(Database Feature Class Name = IndustrialWasteNeutralizer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A receptacle or chamber, which by chemical reactions with reactant materials in the receptacle, makes liquid waste passing through the receptacle chemically neutral for industrial waste systems. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
linerType (CodeManholeLinerType)	The type of liner used if the pit/manhole is used for neutralizing chemicals.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
neutDiameter (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
neutLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
neutWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
reactant (String30)	The chemical in the incoming waste stream being neutralized.
neutAgent (String30)	The chemical agent in the pit which chemically neutralizes the in stream reactant.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole/pit for the subject utility.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Oil Water Separator

(Database Feature Class Name = IndustrialWasteOilWatSep)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device or structure placed in the industrial waste stream to separate water from oil products. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
sepName (String12)	The site specific identification name or number assigned to the subject item.

Attributes:

datePerX (Date)	The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
disposal (String30)	Brief description of how the waste is disposed.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
flowCapacity (Double)	The flow capacity of the subject item.
oilCapacity (Double)	The retention capacity of the oil-water separator.
sepCode (String2)	The oil-water separator code. Usually defined as OW.
sepContnt (String20)	Separator contents
tempOptim (Double)	The optimum operating temperature for the subject item.
separationProcess (String30)	The specific type of separation process.
sepVolume (Double)	The volume of the oil-water separator.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
probDescription (String255)	Text describing a problem with the oil and water separator[Cherry Point].
datePumpd (Date)	The date the oil and water separator was last pumped out. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[Cherry Point].
estimatedDischarge (Integer)	Estimated quantity of discharge from subject feature.[Cherry Point].
shopNo (String20)	Current shop number for subject item.[Cherry Point].
dischargedMaterial (String20)	Material being discharged, or potentially discharged.[Cherry Point].
disType (String20)	Type of discharge point.[Cherry Point].
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Pump

(Database Feature Class Name = IndustrialWastePump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device that draws for industrial waste system material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityAct (Double)	The measured capacity of the pump operating under actual normal head and flow conditions.
capacityRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
featureUse (String16)	The particular application, or use of the subject item.
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Pumpstation Ejector

(Database Feature Class Name = IndustrialWastePumpstnEjector)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to supply industrial waste flowing at adequate pressure to or from a distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

alrmlvlelv (Double)	The elevation in the wet well that triggers an alarm indicating no additional storage capacity.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
design (String16)	Discriminator. The design of the pump station.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
hiWaterElevation (Double)	The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
staLength (Double)	The overall length of the pump station plant area.
wetwlCapacity (Double)	The wet well capacity.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
noPumps (Integer)	The total number of pumps located at the subject item.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Rect Point

(Database Feature Class Name = IndustrialWasteRectPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the industrial waste distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.[FGDC Utilities Classification].
currntOut (Double)	The output direct current from the rectifier to the anode system.[FGDC Utilities Classification].
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.[FGDC Utilities Classification].
noPhases (Integer)	The number of phases to which this device provides reactive power.[FGDC Utilities Classification].
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.[FGDC Utilities Classification].
voltIn (CodeVoltage)	The input AC voltage to the rectifier.[FGDC Utilities Classification].
voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.[FGDC Utilities Classification].
description (String255)	A description or other unique information concerning the subject item.[FGDC Utilities Classification].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Storage Area

(Database Feature Class Name = IndustrialWasteStorageArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A structure used to contain and hold industrial waste. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
facilityNumber (String20)	The organization specific identification code from Army's IFS-M, Air Force's WIMS, or Navy's Property Record Code Number.
labName (CodeLaboratory)	The name of the laboratory primarily responsible for completing the required tests for the subject item.
monAgency (String15)	The regulator agency that monitors inflow, containment, and discharge for the subject item.

Attributes:

dateInstalled (Date)	The date on which the feature was originally installed.
dateLastInspected (Date)	The last inspection date of the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
condition (CodePoleCondition)	The condition of the subject item when last inspected.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
userInd (CodeBoolean)	An indicator as to whether or not the vault is used for industrial wastewater. (yes or no)
userSan (CodeBoolean)	An indicator as to whether or not the vault is used for wastewater. (yes or no)
depthAvg (Double)	The average depth of containment.
vltLength (Double)	The average length of the vault.
vltWidth (Double)	The average width dimension of the vault, measured from top of opposite side slopes.
invElv (Double)	The elevation of the bottom of the vault.
aerator (CodeBoolean)	Indicates whether or not the vault has aerators. (yes/no)
aeratorPow (Double)	The power rating for the aerator, usually in terms of horse power (hp).
noPumps (Integer)	The total number of pumps located at the subject item.
noPipesI (Integer)	The number of pipes discharging into the subject item.
noPipesO (Integer)	The number of pipes carrying material/fluid out of the subject item.
outCntr (String12)	The outlet control.
pipOutl (CodeBoolean)	An indicator as to whether or not the vault has pipe outlets. (yes or no)
werOutl (CodeBoolean)	An indicator as to whether or not the subject item has weir outlets. (yes or no)
smplFreq (Integer)	The frequency at which material sampling is conducted.
testType (CodeSewageTestType)	The type of test used to evaluate the contained material.
dateAnl (Date)	Date on which water quality analyses were performed. Format for date is YYYYMMDD

	(i.e., September 15, 1994 = 19940915)
labType (CodeLaboratoryType)	The type of the laboratory primarily responsible for completing the required tests for the subject item.
manageOff (String12)	The managing office/organization.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Tank

(Database Feature Class Name = IndustrialWasteTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above or below grade receptacle or chamber used for holding industrial waste on a temporary basis prior to disposal. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
headNorm (Double)	The normal operating head for the subject item.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankSt (CodeStyleTank)	This value differentiates similar entities by use or type.
tankUse (CodeTankUse)	The particular kind or use of the industrial waste water tank.
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
description (String255)	A description or other unique information concerning the subject item.
color (CodeColor)	The color of the industrial waste tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Treatment Plant

(Database Feature Class Name = IndustrialWasteTreatmentPlant)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A structure containing equipment used to treat and remove unwanted constituents from industrial waste.. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
bypass (CodeBoolean)	Indicates whether or not the treatment plant has a bypass line? (yes or no).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowAct (Double)	The measured peak treatment capacity of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
flowRated (Double)	The plant manufacturer's rated treatment plant capacity (e.g., gpm), which signifies the peak constant or daily flow of raw water that the plant can treat and transform to the specified water quality requirements.
type (String16)	A field indicating the kind, class, or group of the subject item.
noPumps (Integer)	The total number of pumps located at the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
plantElv (Double)	The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Double)	The overall length dimension of the treatment plant.
plantwidth (Double)	The overall width dimension of the water treatment plant.
description (String255)	A description or other unique information concerning the subject item.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Industrial_Waste : Valve

(Database Feature Class Name = IndustrialWasteValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a industrial waste line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	The particular application, or use the subject item.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground industrial waste line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Storm

Storm : Storm Ceptor

(Database Feature Class Name = StormCeptor)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Confidential

A patented water quality structure that takes the place of a conventional manhole with in a storm drain system.

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
sepName (String50)	The name of the storm captor.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
datePerX (Date)	The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
disposal (String50)	Brief description of how the waste is disposed.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
flowCapacity (Integer)	The flow capacity of the subject item.
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber.
inspectionPhase (String16)	The phase of the inspection.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
oilCapacity (Integer)	The capacity of the storm captor for storing oil.
oldMAAAlias (String50)	The old MAA alias.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
perimeter (Integer)	The distance around the boundary of the area, zone, or subject item in linear units.
separationProcess (String50)	The specific type of separation process.
sepCode (String2)	The oil-water separator code. Usually defined as OW.
sepContnt (String20)	Separator contents
sepVolume (Integer)	The volume of the oil-water separator.
tempOptim (Integer)	The optimum operating temperature for the subject item.
type (String16)	Discriminator. The kind, class, or group of the subject item.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Discharge Point

(Database Feature Class Name = StormDischargePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any location where storm sewer pipes directly discharge effluent. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String40)	Descriptive text of the item
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
type (String16)	A field indicating the kind, class, or group of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
sysType (String16)	The type of stormwater discharge system.[USACE OPERATIONS].
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
coordZ (Double)	The coordinate in the vertical plane.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
iDDE (String10)	
inspectionPhase (String16)	The phase of the inspection.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Downspout

(Database Feature Class Name = StormDownspout)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pipe normally attached to the side of a building or structure which conveys rainfall runoff from the roof area to the ground surface or the storm sewer system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
dnsptLength (Double)	The length of the downspout, measured from highest point to its discharge point.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
baseElevation (Double)	The elevation of the discharge point of the downspout in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The elevation of the ground surface at the discharge point, in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Drainage Basin

(Database Feature Class Name = StormDrainageBasin)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An area in which surface runoff collects and from which it is carried by a drainage system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
gradeMean (Double)	The average grade in the drainage basin.
gradeMin (Double)	The minimum or shallowest grade in the drainage basin.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
gradeMax (Double)	The maximum or steepest grade in the drainage basin.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
acres (Double)	The size of the drainage basin in acres.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Drainage Divide Line

(Database Feature Class Name = StormDrainageDivideLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

The border of a drainage basin where one side directs runoff to one basin and the other side directs runoff to a different basin. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Storm Filter

(Database Feature Class Name = StormFilter)

Geometry Type: Point Accuracy: +/-5Ft. Sensitivity: Confidential

A filter to remove target pollutants using a variety of sustainable media designed to meet regulatory requirements.

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
sepName (String50)	

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
datePerX (Date)	The date the current permit expires for the subject item. Format for date is

	YYYYMMDD (i.e., September 15, 1994 = 19940915)
disposal (String50)	Brief description of how the waste is disposed.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
flowCapacity (Integer)	The flow capacity of the subject item.
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber.
inspectionPhase (String16)	The phase of the inspection.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
numFilters (Integer)	The number of filters in place.
oilCapacity (Integer)	The capacity of the storm filter for capturing oil.
oldMAAAlias (String50)	The old MAA alias.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
perimeter (Integer)	The distance around the boundary of the area, zone, or subject item in linear units.
separationProcess (String50)	The specific type of separation process.
sepCode (String2)	The oil-water separator code. Usually defined as OW.
sepContnt (String20)	Separator contents
sepVolume (Integer)	The volume of the oil-water separator.
tempOptim (Integer)	The optimum operating temperature for the subject item.
type (String16)	Discriminator. The kind, class, or group of the subject item.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Fitting

(Database Feature Class Name = StormFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying storm sewage. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

fitDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
fitLength (Double)	The overall length of the fitting.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	Discriminator. The kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground storm water line fitting.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
oldMaaAlias (String50)	The old MAA alias.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Flow Control Device

(Database Feature Class Name = StormFlowControlDevice)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Devices for a storm water system to control the pressure in and out of the open channel. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

cntrlElv (Double)	The elevation at the centerline of the flow control device, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
fctDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
fctLength (Double)	The overall length of the flow control.
fctWidth (Double)	The width dimension of the subject item, measured from opposite inside faces.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String100)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Gate

(Database Feature Class Name = StormGate)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A movable barrier used in an open channel. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

gateSt (CodeStyleGates)	The particular kind, class, or group of gate.
gateWidth (Double)	The width dimension of the subject item, measured from opposite inside faces.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
gateLength (Double)	The overall length of the storm gate.
gateCapacity (Double)	The flow capacity of the storm gate.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Headwall Line

(Database Feature Class Name = StormHeadwallLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A wall (of any material) depicted as a line at the end of a culvert or drain to serve one or more of the following purposes: protect fill from scour or undermining; increase hydraulic efficiency, divert direction of flow, and serve as a retaining wall. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Headwall

(Database Feature Class Name = StormHeadwallPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A wall (of any material) depicted as a point at the end of a culvert or drain to serve one or more of the following purposes: protect fill from scour or undermining; increase hydraulic efficiency, divert direction of flow, and serve as a retaining wall. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the storm sewer headwall.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
riverMile (Double)	River mile marker.[REEGIS].
pollType (String16)	Pollution type.[REEGIS].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
topElevation (Double)	The elevation of the top of wall above the pipe.
length (Double)	The overall length of the feature.[Center].
description (String255)	Any brief description of the feature.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.

size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Inlet

(Database Feature Class Name = StormInlet)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where water is collected and received into the utility system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityDgn (Double)	The design flow capacity of the subject item.
inletSt (CodeInlets)	Discriminator. The step domain code for an inlet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
weirElevation (Double)	Elevation of the weir invert.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
garageInlet (CodeBoolean)	Indicator as to whether the inlet is located within a garage or not. This is important to the MES database.
coordZ (Double)	The coordinate in the vertical plane.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.

inspectionPhase (String16)	The phase of the inspection.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Junction

(Database Feature Class Name = StormJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in storm sewer systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

type (String100)	A field indicating the kind, class, or group of manhole for the subject utility.
drainType (CodeDrainType)	The type of subject item drain.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
description (String255)	A description or other unique information concerning the subject item.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to

	outside face of opposite exterior wall/side.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
inspectionPhase (String16)	The phase of the inspection.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
mhDia (Integer)	The diameter of the manhole.
oldMaaAlias (String50)	The old MAA alias.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Line

(Database Feature Class Name = StormLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry storm sewer water from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name of the culvert.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
idDwnStrmFeat (String50)	The ID of the downstream storm feature.
idDwnStrmStruct (String50)	The ID of the downstream storm structure.
idUpStrmFeat (String50)	The ID of the upstream storm feature.

idUpStrmStruct (String50)	The ID of the upstream storm structure.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainageZone (CodeDrainageZone)	Local name of assigned hydrographic drainage zones.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the pipe.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the pipe.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
pipeWidth (Double)	The width dimension of the subject item, measured from opposite inside faces.
lined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
scrnType (CodeCulvertScreenType)	The type of screen used to cover the end of the culvert.
type (String16)	A field indicating the kind, class, or group of the subject item.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
featureUse (String16)	Discriminator. The use code for storm sewer line.
pressNorm (Double)	The normal operating pressure of the storm system pipe.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground storm water line pipe.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
fromCoordX (Double)	The from, or downstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.
fromCoordY (Double)	The from, or downstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
fromCoordZ (Double)	The from, or downstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
toCoordX (Double)	The to, or upstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.
toCoordY (Double)	The to or upstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
toCoordZ (Double)	The to, or upstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
dwnStrmStructType (String10)	The type of the downstream structure, if any
upStrmStructType (String10)	The type of the downstream structure, if any
immediateOutFall (String20)	Identifying tag of the immediate outfall to which the pipe leads.
finalOutFall (String20)	Identifying tag of the final outfall to which the pipe leads.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
inspectionPhase (String16)	The phase of the inspection.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Marker

(Database Feature Class Name = StormMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of nearby storm sewer. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.

sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Oil Water Separator

(Database Feature Class Name = StormOilWaterSeparator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device or structure placed in the storm sewer stream to separate water from oil products. [SDSFIE USMC].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
sepName (String12)	The site specific identification name or number assigned to the subject item.

Attributes:

datePerX (Date)	The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
disposal (String30)	Brief description of how the waste is disposed.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
flowCapacity (Double)	The flow capacity of the subject item.
oilCapacity (Double)	The retention capacity of the oil-water separator.
sepCode (String2)	The oil-water separator code. Usually defined as OW.
type (String16)	A field indicating the kind, class, or group of the subject item.
tempOptim (Double)	The optimum operating temperature for the subject item.
sepContnt (String20)	Separator contents
separationProcess (String30)	The specific type of separation process.
sepVolume (Double)	The volume of the oil-water separator.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
inspectionPhase (String16)	The phase of the inspection.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
invertFeet (Double)	Measurement from the top of the manhole to the bottom
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Open Drainage Area

(Database Feature Class Name = StormOpenDrainageArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

Interception and removal area of ground water or surface water. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
vegMaintID (String16)	The vegetation maintenance ID.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
acreage (Integer)	The size of the open draining area in acres.
inspectionPhase (String16)	The phase of the inspection.
maintRequirements (String255)	Maintenance requirements of the open drainage area.
oldMaaAlias (String50)	The old MAA alias.
structureType (String16)	The type of structure.
material (String16)	The material of the subject item
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Open Drainage Line

(Database Feature Class Name = StormOpenDrainageLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

Interception and removal of ground water or surface water by natural means. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
reachName (String20)	An operator generated identifier for the reach of an open channel.
idDwnStrmFeat (String50)	The ID of the downstream storm feature.
idUpStrmFeat (String50)	The ID of the upstream storm feature.

Attributes:

chanLength (Double)	The overall length of the open channel.
chanSt (CodeStyleOpenChannel)	The style or geometric configuration of the channel
bedMaterial (CodeBedMaterial)	The type of bedding material beneath the channel armor.
bankArm (CodeBankArmorLining)	The type of channel armor used.
design (String16)	Discriminator. The design code for open channel.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainageZone (CodeDrainageZone)	Local name of assigned hydrographic drainage zones.
bottomWidth (Double)	The bottom width of the open channel measured from the base of opposite side slopes.
fldZon (CodeDrainageZone)	Local name of assigned hydrographic drainage zones.
flmeanElv (Double)	The elevation of the mean flow above a specific datum.
flmeanTop (Double)	The average top width of the mean flow.
flmeanXar (Double)	The cross section area of the mean flow for the open channel.
flooddepth (Double)	The average depth of the specific flood.
flowMean (Double)	The mean or average flow rate for the open channel.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of channel at node_id_2 in feet (English units) or meters (SI units) above some datum.
noFloods (Integer)	The total number of floods recorded for this channel.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
slopeLeft (Double)	The slope of the left channel side expressed as a percentage.
slopeRght (Double)	The slope of the right channel side expressed as a percentage.
topWidth (Double)	The top width of the open channel measured from the top of opposite side slopes.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.[USMC].
area (Double)	The size of the area, zone, or polygon in square units.[USMC].
photoFileName (String30)	File location of photo (if applicable)
wellDiameter (Double)	MAA requirement The diameter of the monitoring well in the infiltration trench.

description (String255)	A description or other unique information concerning the subject item.
wellDepth (Double)	MAA requirement The depth of the monitoring well in the infiltration trench.
MAA requirementlocationDesc (String255)	MAA requirement, text description of location of trench
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
fromCoordX (Double)	The from, or downstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.
fromCoordY (Double)	The from, or downstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
fromCoordZ (Double)	The from, or downstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
inspectionPhase (String16)	The phase of the inspection.
oldMaaAlias (String50)	The old MAA alias.
structureType (String16)	The type of structure.
toCoordX (Double)	The to, or upstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.
toCoordY (Double)	The to or upstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
toCoordZ (Double)	The to, or upstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Oil Water Separator Diversion Vault

(Database Feature Class Name = StormOWSDiversionVault)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
maaAlias (String60)	An alternative or former name by which the feature is refered.
mapGrid (String20)	The map grid that the feature resides within.
pipeWidth (Integer)	The width of the pipe.

vaultWidth (Integer)	The widget of the vault.

Attributes:

airReleasePresent (CodeBoolean)	Indicates whether or not an air release valve is present
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Integer)	Average depth of the feature.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
description (String255)	A description or other unique information concerning the subject item.
pierCode (String20)	The code of the pier associated with the feature.
pipeMaterial (CodePipeMaterial)	Material of which inlet pipe is made
pumpOutPresent (CodeBoolean)	Indicates whether or not a pump out conection is present
size (Integer)	The size of the subject item.
vaultLength (Integer)	The length of the vault.
vaultType (CodeVaultType)	The type of the vault.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Pump

(Database Feature Class Name = StormPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for storm sewer system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

outflwAct (Double)	The actual measured pump flow output.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
type (String16)	A field indicating the kind, class, or group of the subject item.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
description (String255)	A description or other unique information concerning the subject item.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
inspectionPhase (String16)	The phase of the inspection.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Pump Station

(Database Feature Class Name = StormPumpStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to supply material flowing at adequate pressure to or from a storm sewer distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system

	primary or foreign key value)
name (String30)	Any commonly used name for the storm sewer pump station.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
alrmlvlelv (Double)	The elevation in the wet well that triggers an alarm indicating no additional storage capacity.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
hiWaterElevation (Double)	The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
staLength (Double)	The overall length of the pump station plant area.
wetwlCapacity (Double)	The wet well capacity.
area (Double)	The size of the area, zone, or polygon in square units.
type (String16)	A field indicating the kind, class, or group of the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
noPumps (Integer)	The total number of pumps located at the subject item.
riverMile (Double)	River mile marker.[REEGIS].
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
mxDsgnHd (Double)	The water elevation of the maximum design head of the pump in feet NGVD.[REEGIS].
dateEnd (Date)	The date the project was actually completed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)[REEGIS].
capacity (Double)	The pumping capacity at the maximum design head in cfs.[REEGIS].
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Reservoir

(Database Feature Class Name = StormReservoirLocation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where storm sewer water is collected. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of containment measured from normal operating pool.
invElvAv (Double)	The average elevation of the bottom of the reservoir.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
xDikes (CodeBoolean)	An indicator whether cross dikes exists in the subject item or not (yes or no).
outCntr (String12)	The outlet control.
featureUse (String16)	The particular application, or use the subject item.
resLength (Double)	The overall length of the reservoir.
resType (CodeReservoirType)	The type or classification of the reservoir.
resWidth (Double)	The average width dimension of the reservoir, measured from top of opposite side slopes.
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Stilling Basin

(Database Feature Class Name = StormStillingBasin)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where the energy from turbulent water flow is reduced. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of containment measured from normal operating pool.
outCntr (String12)	The outlet control.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
invElvAv (Double)	The average elevation of the bottom of the stilling basin.
sbnLength (Double)	The overall length of the stilling basin.
sbnWidth (Double)	The average width dimension of the stilling basin, measured from top of opposite side slopes.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
xDikes (CodeBoolean)	An indicator whether cross dikes exists in the subject item or not (yes or no).
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Storm Trench Drain Line

(Database Feature Class Name = StormTrenchDrainLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Confidential

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String50)	The name of the feature.
maaAlias (String60)	An alternative or former name by which the feature is refered.
idDwnStrmFeat (String50)	The ID of the downstream storm feature.
idDwnStrmStruct (String50)	The ID of the downstream storm structure.
idUpStrmFeat (String50)	The ID of the upstream storm feature.
idUpStrmStruct (String50)	The ID of the upstream storm structure.
trenchWidth (Integer)	The width of the trench.

Attributes:

coverDepth (Double)	Depth of cover. The depth measured from top of ground's surface (or grade) to top of underground fuel line pipe.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the culvert.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the grease trap.
drainageZone (CodeDrainageZone)	The local name of assigned the hydrographic drainage zone.
dwnStrmStructType (String20)	The type of the downstream structure, if any.
enabled (CodeBoolean)	Flag used for networking functionality in MES application.
finalOutFall (String50)	Final outfall.
fromCoordX (Double)	The from, or downstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.
fromCoordY (Double)	The from, or downstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
fromCoordZ (Double)	The from, or downstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
immediateOutFall (String50)	Immediate outfall.
impedance (Integer)	The number representing the total opposition to flow.
inspectionPhase (String16)	The phase of the inspection.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Integer)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
lined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
modelNumber (String20)	The model number of the feature.
description (String255)	A description or other unique information concerning the subject item.
oldMAAAlias (String50)	The old MAA alias.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressMax (Integer)	The maximum pressure.
pressNorm (Integer)	The normal pressure.
scrnType (CodeCulvertScreenType)	The type of screen used to cover the end of the culvert.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
slopeBot (Integer)	The bottom slope of the feature.
toCoordX (Double)	The to, or upstream,coordinate of the pipe in the east-west plane in as measured by GPS equipment.

toCoordY (Double)	The to or upstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
toCoordZ (Double)	The to, or upstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
trenchLength (Integer)	The length of the trench.
type (String16)	A field indicating the kind, class, or group of the subject item.
upStrmStructType (String16)	Upstream storm structure type.
use (String50)	Use of the feature.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Storm : Valve

(Database Feature Class Name = StormValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a storm sewer line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
featureUse (String16)	The particular application, or use the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground storm water line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
oldMaaAlias (String50)	The old MAA alias.

valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
verified (String255)	Whether or not the feature has been verified.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Wastewater

Wastewater : Anode

(Database Feature Class Name = WastewaterAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A material used in waste water distribution systems that is electrically connected to a less electrolytically-active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

anodeWeight (Double)	The initial weight of the anode or anode packet.[FGDC Utilities Classification].
dateInstalled (Date)	The date on which the feature was originally installed.
dateLastInspected (Date)	The date the anode was last inspected or checked. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).[FGDC Utilities Classification].
material (CodeAnodes)	The type of material composition of the anode or anode packet.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.[FGDC Utilities Classification].
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Anode Test Station

(Database Feature Class Name = WastewaterAnodeTestStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in wastewater systems. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
installType (CodeSheathInsulateType)	The type of insulation covering the conductor.[FGDC Utilities Classification].
noTerm (Integer)	The total number of terminal connections at the test station.[FGDC Utilities Classification].
type (String16)	The type of anode test station configuration use.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.[FGDC Utilities Classification].
wireType (String16)	The conductor configuration, typically solid or stranded.[FGDC Utilities Classification].
description (String255)	A description or other unique information concerning the subject item.[FGDC Utilities Classification].
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Discharge Point

(Database Feature Class Name = WastewaterDischargePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Any location where wastewater pipes directly discharge effluent. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
type (String16)	A field indicating the kind, class, or group of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
sysType (String16)	The type of wastewater system.[USACE OPERATIONS].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Disposal Tank

(Database Feature Class Name = WastewaterDisposalTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above or below grade receptacle or chamber for holding waste water on a temporary basis prior to transfer or use. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
headNorm (Double)	The normal operating head for the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankUse (CodeTankUse)	The particular kind or use of the waste water tank.
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
pressNorm (Double)	The manufacturer's (as rated by American Society of Mechanical Engineers (ASME) testing procedures) maximum pressure rating of the waste water tank.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
tankDes (CodeWastewaterTankType)	This value differentiates similar entities by use or type.
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
description (String255)	A description or other unique information concerning the subject item.
tankSt (CodeStyleTank)	This value differentiates similar entities by use or type.

color (CodeColor)	The color of the disposal tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Downspout

(Database Feature Class Name = WastewaterDownspout)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pipe normally attached to the side of a building or structure which conveys rainfall runoff from the roof area to the ground surface or an underground collection system for wastewater. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

dnsptLength (Double)	The length of the downspout, measured from highest point to its discharge point.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
baseElevation (Double)	The elevation of the discharge point of the downspout in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The elevation of the ground surface at the discharge point, in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).

type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Drain Field

(Database Feature Class Name = WastewaterDrainField)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

The area of influence where perforated pipe placed in gravel trenches carries effluent from a waste storage containment for percolation into the earth. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Filtration Bed

(Database Feature Class Name = WastewaterFiltrationBed)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A below grade system consisting of perforated piping installed in sand or gravel beds or trenches designed to permit the uniform distribution and absorption of effluent from a septic tank or aerobic unit into the soil. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.

metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Fitting

(Database Feature Class Name = WastewaterFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying wastewater. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

fitDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
fitLength (Double)	The overall length of the fitting.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String100)	Discriminator. The kind, class, or group of the subject item.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground wastewater line fitting.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about

the data in this record.

Wastewater : Grease Trap

(Database Feature Class Name = WastewaterGreaseTrap)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A tank which separates grease from water, collects the grease for removal, and allows the water to exit. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

dstbx (CodeBoolean)	Indicates whether or not a distribution box exists for the subject item. (yes or no)
dstbxIEl (Double)	The invert elevation of the inside bottom of the distribution box.
drnflSt (CodeStyleDrainField)	The style of field drain system indicating the configuration and layout of the drain lines.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the grease trap.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the grease trap.
manhole (CodeBoolean)	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
gtpWidth (Double)	The width dimension of the subject item, measured from opposite inside faces.
latDiTot (Double)	The total diameter of all drainage laterals
latdimean (Double)	The average diameter of all drainage laterals
laterlSlp (Double)	The average slope of all drainage laterals.
laterlTot (Double)	The total (sum) length of all drainage laterals.
laterlmean (Double)	The mean or average length of the drainage laterals.
flowRate (Double)	The flow rate of the feature.
gtpCapacity (Double)	The grease trap's storage capacity (e.g., gallons, ft3, etc).
gtpDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
gtpLength (Double)	The overall length of the grease trap.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
noLateral (Integer)	The total number of laterals.
trapSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
trenchWid (Double)	The trench width excavated for the field drains.
soilPerc (Double)	The percolation rate of the soil in which the drain field lines are placed.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Grit Chamber

(Database Feature Class Name = WastewaterGritChamber)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A chamber designed to remove sand, gravel, or other heavy solids that have subsiding velocities or specific gravities substantially greater than those of the organic solids in the waste water system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
oWSep (CodeBoolean)	An indicator as to whether or not grit chamber has an integrated oil-water separator. (yes or no)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowCapacity (Double)	The flow capacity of the subject item.
gritType (String12)	The predominate type of grit collected in the grit chamber.
storCapacity (Double)	The grit chamber overall storage capacity.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].

qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Inlet

(Database Feature Class Name = WastewaterInlet)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where waste water is collected and received into the utility system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityDgn (Double)	The design flow capacity of the subject item.
inletSt (String16)	Discriminator: This value differentiates similar entities by use or type.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
weirElevation (Double)	Elevation of the weir invert.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.

lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Junction

(Database Feature Class Name = WastewaterJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in wastewater systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
highLevelAlarmId (String50)	The high level alarm ID.
idDestMH (String50)	The ID of the destination manhole.

Attributes:

drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
linerType (CodeManholeLinerType)	The type of liner used if the pit/manhole is used for neutralizing chemicals.
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
reactant (String30)	The chemical in the incoming waste stream being neutralized.
neutAgent (String30)	The chemical agent in the pit which chemically neutralizes the in stream reactant.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
noSteps (Integer)	Number of manhole steps.[Cherry Point].
illict (CodeBoolean)	Indication whether or not (yes/no) illicit flow was detected in manhole or box.[Cherry Point].
description (String255)	The text describing a wastewater manhole.[Cherry Point].
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
coordZ (Double)	The coordinate in the vertical plane in as measured by GPS equipment.
highLevelAlarmFlag (CodeBoolean)	Indicator whether manhole is (or has?) a high level alarm
apronTroughMaterial (CodeManholeMaterial)	The material of the apron trough.
corbelWallsMaterial (CodeManholeMaterial)	The material of the corbel walls.
coverMaterial (CodeManholeCoverType)	The cover material.
effluentPipeDestination (String50)	The effulent pipe destination.

effluentPipeDiameter (CodePipeDiameter)	The effulent pipe diameter.
effluentPipeInvert (Double)	The effluent pipe invert.
effluentPipeMaterial (CodePipeMaterial)	Material of which the pipe is made.
influentPipe1Diameter (CodePipeDiameter)	The influent pipe diameter.
influentPipe1Invert (Double)	The influent pipe invert.
influentPipe1Material (CodePipeMaterial)	The influent pipe material.
influentPipe1Origin (String50)	The influent pipe origin.
influentPipe2Diameter (CodePipeDiameter)	The second influent pipe diameter.
influentPipe2Invert (Double)	The second influent pipe invert.
influentPipe2Material (CodePipeMaterial)	The second influent pipe material.
influentPipe2Origin (String50)	The second influent pipe origin.
influentPipe3Diameter (CodePipeDiameter)	The third influent pipe origin.
influentPipe3Invert (Double)	The third influent pipe invert.
influentPipe3Material (CodePipeMaterial)	The third influent pipe material.
influentPipe3Origin (String50)	The third influent pipe origin.
influentPipe4Diameter (CodePipeDiameter)	The fourth influent pipe diameter.
influentPipe4Invert (Double)	The fourth influent pipe invert.
influentPipe4Material (CodePipeMaterial)	The fourth influent pipe material.
influentPipe4Origin (String50)	The fourth influent pipe origin.
influentPipe5Diameter (CodePipeDiameter)	The fourth influent pipe diameter.
influentPipe5Invert (Double)	The fifth influent pipe invert.
influentPipe5Material (CodePipeMaterial)	The fifth influent pipe material.
influentPipe5Origin (String50)	The fifth influent pipe origin.
manholeSteps (String50)	The number of steps in the manhole.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Lagoon

(Database Feature Class Name = WastewaterLagoon)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A shallow man made pool or pond for the purpose of providing treatment of domestic wastewater. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
labName (CodeLaboratory)	The name of the laboratory primarily responsible for completing the required tests for the subject item.
monAgency (String15)	The regulator agency that monitors inflow, containment, and discharge for the subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

aerator (CodeBoolean)	Indicates whether or not the lagoon has aerators. (yes/no)
aeratorPow (Double)	The power rating for the aerator, usually in terms of horse power (hp).
area (Double)	The size of the area, zone, or polygon in square units.
dateAnl (Date)	Date on which water quality analyses were performed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
depthAvg (Double)	The average depth of containment measured from normal operating pool.
lgnLength (Double)	The average length of the lagoon.
lgnWidth (Double)	The average width dimension of the lagoon, measured from top of opposite side slopes.
outCntr (String12)	The outlet control.
manageOff (String12)	The office/organization responsible for managing the lagoon.
testType (CodeSewageTestType)	The type of test used to evaluate the contained material.
invElvAv (Double)	The average elevation of the bottom of the lagoon.
labType (CodeLaboratoryType)	The type of the laboratory primarily responsible for completing the required tests for the subject item.
userInd (CodeBoolean)	An indicator as to whether or not the lagoon is used for industrial wastewater. (yes or no)
userSan (CodeBoolean)	An indicator as to whether or not the lagoon is used for wastewater. (yes or no)
smplFreq (Integer)	The frequency at which material sampling is conducted.
soilCdn (CodeSoilConsistency)	The consistency of the soil indicating soil condition and strength.
werOutl (CodeBoolean)	An indicator as to whether or not the subject item has weir outlets. (yes or no)
xDikes (CodeBoolean)	An indicator whether cross dikes exists in the subject item or not (yes or no).
noPumps (Integer)	The total number of pumps located at the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
soilEro (CodeSoilsErosionK)	The erosion potential of the soil.
soilFam (CodeSoilsFamily)	The soil family.
soilTex (CodeSoilsTexture)	The soil texture.
type (String16)	A field indicating the kind, class, or group of the subject item.
pipOutl (CodeBoolean)	An indicator as to whether or not the lagoon has pipe outlets. (yes or no)
description (String255)	A description or other unique information concerning the subject item.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Line

(Database Feature Class Name = WastewaterLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry waste water from location to location (main line, service line, force main line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
idDwnStrmMH (String50)	The ID of the downstream manhole.
idUpStrmMH (String50)	The ID of the upstream manhole.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the pipe.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the pipe.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
lined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
featureUse (String16)	Discriminator. The use code for wastewater lines.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
pressNorm (Double)	The normal operating pressure of the waste water system pipe.
type (CodeWastewaterLineType)	A field indicating the kind, class, or group of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
piplty (CodePipelineLocationType)	The location of the pipeline in relevance to the earth's surface.[USGS].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground wastewater line pipe.[Air Force].

description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Marker

(Database Feature Class Name = WastewaterMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of waste water. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.

status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Meter

(Database Feature Class Name = WastewaterMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of water through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
design (String16)	Discriminator: The design of the water meter.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
meterDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
meterLength (Double)	The overall length of the meter.
meterWidth (Double)	The overall width dimension of the subject item.
type (String16)	A field indicating the kind, class, or group of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.

userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Neutralizer

(Database Feature Class Name = WastewaterNeutralizer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A receptacle or chamber where chemicals react with reactant materials, resulting in making liquid waste passing through chemically neutral for wastewater systems. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
linerType (CodeManholeLinerType)	The type of liner used if the pit/manhole is used for neutralizing chemicals.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
neutDiameter (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
neutLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
neutWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
reactant (String30)	The chemical in the incoming waste stream being neutralized.
neutAgent (String30)	The chemical agent in the pit which chemically neutralizes the in stream reactant.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of manhole/pit for the subject utility.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Oil Water Separator

(Database Feature Class Name = WastewaterOilWaterSeparator)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device or structure placed in the waste water stream to separate water from oil products. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
sepName (String12)	The site specific identification name or number assigned to the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
datePerX (Date)	The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
oilCapacity (Double)	The retention capacity of the oil-water separator.
disposal (String30)	Brief description of how the waste is disposed.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
flowCapacity (Double)	The flow capacity of the subject item.
separatorCode (String2)	The oil-water separator code. Usually defined as OW.
tempOptim (Double)	The optimum operating temperature for the subject item.
sepContnt (String20)	Separator contents
separationProcess (String30)	The specific type of separation process.
sepVolume (Double)	The volume of the oil-water separator.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
size (Double)	The manufacturer's designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 6 inches).[Cherry Point].
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units)

	or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.[Cherry Point].
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Pump

(Database Feature Class Name = WastewaterPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for wastewater system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the pump/lift station.[REEGIS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
outflwAct (Double)	The actual measured pump flow output.
outflwRat (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the

	utility asset.[Adopted from SDSFIE].
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
featureUse (String16)	The particular application, or use the subject item.
type (String16)	A field indicating the kind, class, or group of the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pumpHp (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
riverMile (Double)	River mile marker.[REEGIS].
noPumps (Integer)	The number of pumps located at the station.[REEGIS].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Pump Ejector Station

(Database Feature Class Name = WastewaterPumpEjectorStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to pump wastewater flowing at adequate pressure to or from a distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
alrmlvlelv (Double)	The elevation in the wet well that triggers an alarm indicating no additional storage capacity.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
design (String16)	Discriminator. The design of the pump station.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
hiWaterElevation (Double)	The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
wetwlCapacity (Double)	The wet well capacity.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
noPumps (Integer)	The total number of pumps located at the subject item.
staLength (Double)	The overall length of the pump station plant area.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Rectifier

(Database Feature Class Name = WastewaterRectifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the wastewater distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.[FGDC Utilities Classification].
coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.[FGDC Utilities Classification].
currntOut (Double)	The output direct current from the rectifier to the anode system.[FGDC Utilities Classification].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.[FGDC Utilities Classification].
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.[FGDC Utilities Classification].
noPhases (Integer)	The number of phases to which this device provides reactive power.[FGDC Utilities Classification].
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.[FGDC Utilities Classification].
voltIn (CodeVoltage)	The input AC voltage to the rectifier.[FGDC Utilities Classification].
description (String255)	A description or other unique information concerning the subject item.[FGDC Utilities Classification].
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Septic Tank

(Database Feature Class Name = WastewaterSepticTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Typically, a below grade receptacle or chamber in which solid organic waste is decomposed and purified by anaerobic bacteria. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
dstbx (CodeBoolean)	Indicates whether or not a distribution box exists for the subject item. (yes or no)
dstbxIEl (Double)	The invert elevation of the inside bottom of the distribution box.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the tank.
drnflSt (CodeStyleDrainField)	The style of field drain system indicating the configuration and layout of the drain lines.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the tank.
manhole (CodeBoolean)	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
laterlSlp (Double)	The average slope of all drainage laterals.
laterlTot (Double)	The total (sum) length of all drainage laterals.
laterlmean (Double)	The mean or average length of the drainage laterals.
flowRate (Double)	The rate of flow through the device or pipe.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
noLateral (Integer)	The total number of laterals.
trenchWid (Double)	The trench width excavated for the field drains.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
featureUse (CodeWastewaterTankType)	This value differentiates similar entities by use or type.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
soilPerc (Double)	The percolation rate of the soil in which the drain field lines are placed.
tankCapacity (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).
tankDepth (Double)	The depth below the ground surface or cover measured from the top of the subject item.
description (String255)	A description or other unique information concerning the subject item.
color (CodeColor)	The color of the septic tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.

projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Service Area

(Database Feature Class Name = WastewaterServiceArea)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Secret

A wastewater utility company or organization's certificated area of jurisdiction or responsibility as approved by a federal, state, or local utility regulatory authority. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
wwutilname (String50)	Name of the wastewater utility or system.[EPA].
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
wwutilmaaID (String30)	Identifier assigned to the water utility by the appropriate federal, state, or local regulatory authority.[EPA].
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
city (String40)	The name of the incorporated municipality (city, township, or other local government, excluding counties) in which the address is physically located.[FGDC Street Address Data Standard].
state (String2)	Name of state where wastewater utility or system provides service.[EPA].
populationServed (Integer)	Population served by wastewater system or utility.[EPA].
wwPlant (Integer)	Total number of wastewater treatment plants serving wastewater utility or system.
dtreatcap (Double)	Total design capacity of wastewater treatment plants serving wastewater utility or system. Usually expressed in mgd.
reConnect (Integer)	Total number of residential type service connections.
coConnect (Integer)	Total number of commercial (i.e., businesses, industrial) type service connections.
wwsystem (CodeWastewaterSystemType)	General type or category of a wastewater system or utility.[EPA].
utilown (CodeUtilityOwnershipType)	General category of type of utility owner.
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date

	is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Sludge Bed

(Database Feature Class Name = WastewaterSludgeBed)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

An area used for spreading and drying waste sludge. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String30)	Any commonly used name for the wastewater sludge bed area.[USGS].
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
bedWidth (Double)	The exterior width dimension of the sludge bed, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
bedLength (Double)	The length dimension of the sludge bed, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
bedDia (Double)	The inside diameter of the sludge bed, measured from the interior wall surface to the opposite interior wall surface.
bedDepth (Double)	The depth measured from the top of the subject item.
invertElv (Double)	The elevation measured at bottom of the sludge bed, in feet (English units) or meters (SI units) above some datum. mean sea level.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
bedCapacity (Double)	The sludge bed's storage capacity (e.g., gallons, ft3, etc).
area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Treatment Plant

(Database Feature Class Name = WastewaterTreatmentPlant)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Secret

A structure containing equipment used to treat and remove unwanted constituents from wastewater. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.

dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Treatment Unit

(Database Feature Class Name = WastewaterTreatmentUnit)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A waste water treatment plant and all appurtenant equipment, buildings, and facilities relating to water treatment. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	Indicates the name for the sewage treatment plant.[HSIP].
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
bypass (CodeBoolean)	Indicates whether or not the treatment plant has a bypass line? (yes or no).
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowRated (Double)	The plant manufacturer's rated treatment plant capacity (e.g., gpm), which signifies the peak constant or daily flow of raw water that the plant can treat and transform to the specified water quality requirements.
flowAct (Double)	The measured peak treatment capacity of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
noPumps (Integer)	The total number of pumps located at the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
plantElv (Double)	The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Double)	The overall length dimension of the treatment plant.
plantwidth (Double)	The overall width dimension of the water treatment plant.
type (String16)	A field indicating the kind, class, or group of the subject item.
remMth (String32)	The method used to remove solids from the wastewater during processing.[HSIP].
trtLev (CodeWaterTreatmentLevel)	The overall level of treatment for the wastewater process.[HSIP].
comAff (String80)	The name of the company that operates the wastewater treatment facility.[HSIP].
chlorint (CodeBoolean)	Chlorination (Y/N)?[HSIP].
maxCapacity (Double)	Capacity rate of the plant.[HSIP].
capacityRate (Double)	Maximum waste water treatment capacity.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first

	recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Wastewater : Valve

(Database Feature Class Name = WastewaterValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a wastewater line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	The particular application, or use the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground wastewater line valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open
operatingStatus (CodeValveStatus)	The normal operating status of the valve
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Data Set: Water

Water : Anode

(Database Feature Class Name = WaterAnode)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A material used for water distribution systems that is electrically connected to a less electrolytically active material so that it will oxidize in the place of the less active material. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
anodeWeight (Double)	The initial weight of the anode or anode packet.
material (CodeAnodes)	The type of material composition of the anode or anode packet.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.

editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Anode Test Station

(Database Feature Class Name = WaterAnodeTestStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A central location where anodes are tested for performance in water systems. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

installType (CodeSheathInsulateType)	The type of insulation covering the conductor.
noTerm (Integer)	The total number of terminal connections at the test station.
type (String16)	The type of anode test station configuration use.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
wireSize (CodeCableDimension)	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
wireType (String16)	The conductor configuration, typically solid or stranded.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Drinking Water Sample Point

(Database Feature Class Name = WaterDrinkingWaterSamplePoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A point location where one or more water samples are collected from a water utility or system. [SDSFIE].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
dwslocname (String50)	Commonly used name for the location where a drinking water sample was collected.[EPA].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

dwslocty (CodeDrinkingWaterSamLoc)	Code designating the type of location where a drinking water sample was collected.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Fire Connection Point

(Database Feature Class Name = WaterFireConnectionPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An apparatus which dispenses fluids for use in fire management. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)

maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
roadName (String30)	A common name or street name used to refer to the stretch of road that the hydrant is facing.[FGDC].

Attributes:

fireFlow (Double)	The code or regulation required fire flow rate from a fire hydrant or fire flow connection.
hydrantType (CodeHydrantType)	The particular kind, class, or group of hydrant.
location (String255)	A textual description of the location of this feature.
hydclass (CodeHydrantClass)	The hydrant classification according to their rated capacity according to the National Fire Protection Association.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
inletDiameter (Double)	The diameter of the hydrant inlet connection.
conType (CodeFireConnection)	Discriminator. This value differentiates fire connections by use or type.
measType (CodeDiameterMeasureType)	This attribute provides information concerning the basis for the subject item's inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
outcon1dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon2dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon3dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
flowTest (Integer)	The date of the last fire flow test conducted at the subject fire hydrant or fire department connection. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
hydrantElvevation (Double)	The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
pressResd (Double)	The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
pressStat (Double)	The numeric pressure head on the subject item under static (i.e., no flow or demand) conditions in the utility system.
valveSt (CodeStyleValve)	The style of the valve.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.[FGDC].
verify (CodeBoolean)	A boolean indicating whether the blue reflectors was placed correctly in the street (Y = YES and N = NO).[FGDC].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Fitting

(Database Feature Class Name = WaterFitting)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting is an item used to connect, cap, plug or otherwise alter a pipe carrying water. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
fitElv (Double)	The elevation measured at centerline of the fitting, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
diaIn (Double)	The inside, or interior, diameter of the fitting.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
fitLength (Double)	The overall length of the fitting.
fitWidth (Double)	The width dimension of the subject item measured at its' widest point.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	Discriminator. The kind, class, or group of the subject item.
drawingNo (Integer)	The drawing number of the Pig Drawing. This is a separate field from media_id.
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground waterline fitting.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
mapGrid (String5)	Number of grid on map on which item is shown on
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined

	system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Hydrant

(Database Feature Class Name = WaterHydrant)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An apparatus which dispenses fluids. [SDSFIE IENC].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
fireFlow (Double)	The code or regulation required fire flow rate from a fire hydrant or fire flow connection.
flowStandard (CodeFireFlow)	National Fire Protection Association classification for flow rate of a fire hydrant or fire flow connection.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
measType (CodeDiameterMeasureType)	This attribute provides information concerning the basis for the subject item's inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
design (String16)	Discriminator. The design code for a water hydrant.
hydrantType (CodeHydrantType)	The particular kind, class, or group of hydrant.
owner (CodeHydrantOrg)	The agency that owns the hydrant.
hydrantElvevation (Double)	The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.
sourceDiameter (Double)	Diameter of source main in inches.
outcon1dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon2dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon3dia (Double)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
flowTest (Integer)	The date of the last fire flow test conducted at the subject fire hydrant or fire department connection. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
connectSize (CodeConnectSize)	The size of the hydrant connection
pressResd (Double)	The residual pressure of the hydrant in psi format.
pressStat (Double)	The static pressure of the hydrant in psi format.
valveSt (CodeStyleValve)	The style of the valve.
bldgLevel (CodeBldgLevel)	Level of the building where the hydrant is located.
maintAgency (CodeHydrantOrg)	The agency that is responsible for maintenance of the hydrant.
Manufacturer (String255)	The manufacturer of the hydrant.

firePumpArea (CodePumpArea)	The fire pump coverage area at BWI.
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
mapGrid (String5)	Number of grid on map on which item is shown on
locationDesc (String255)	MAA requirement, text description of location of trench
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
physicalStatus (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Intake

(Database Feature Class Name = WaterIntake)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The location where water is allowed into the water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.

projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Intake Line

(Database Feature Class Name = WaterIntakeLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

The location where water is allowed into the water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
material (String16)	The material of the subject item.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.

dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Junction

(Database Feature Class Name = WaterJunction)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A box or small vault (usually concrete, brick, or cast iron) in water systems located below grade with above grade access where pipes intersect. The manhole also houses associated fittings, valves, meters, etc. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

airrfValve (CodeBoolean)	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
drainType (CodeDrainType)	The type of subject item drain.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
noValves (Integer)	The number of valves inside the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
mhDia (Double)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Double)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Double)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	A field indicating the kind, class, or group of manhole for the subject utility.
featureUse (String16)	Discriminator. An attribute that differentiates the use of the subject item.
noPipes (Integer)	The number of the pipes entering and exiting the subject item.
rimElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
description (String255)	A description or other unique information concerning the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Line

(Database Feature Class Name = WaterLine)

Geometry Type: Line Accuracy: +/-5Ft. Sensitivity: Secret

A pipe used to carry water from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
catProt (CodeBoolean)	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
pipeLength (Double)	The length of pipe, measured from node to node along the pipe centerline .
pressMax (Double)	The manufacturer's or industry standard's maximum pressure rating of the subject item.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation1 (Double)	The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
groundElevation2 (Double)	The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
invElv1 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_1 in feet (English units) or meters (SI units) above some datum.[Derived from SDSFIE].
invElv2 (Double)	The elevation of the bottom of pipe (i.e., pipe invert) at node_id_2 in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
type (String16)	The kind, class, or group of the subject item.
slopeBot (Double)	The slope of the bottom of the subject item expressed as a percentage.
tape (CodeBoolean)	This attribute indicates whether or not location marker tape or wire been installed above the waterline pipe to facilitate it's location with a magnetometer? (yes or no).
featureUse (String16)	Discriminator. The use code for water pipes.
pressNorm (Double)	The normal operating pressure of the water system pipe.
piplty (CodePipelineLocationType)	The location of the pipeline in relevance to the earth's surface.[USGS].
coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground waterline pipe.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
dateInstalled (Date)	The date on which the feature was originally installed.

lineType (String16)	The type of water line.
directionality (CodeDirectionality)	The directionality of flow with repsect to the line's geometry.
impedance (Double)	The number representing the total opposition to flow.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Marker

(Database Feature Class Name = WaterMarker)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc to indicate the presence of water. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
poleMat (String16)	The material composition of the pole.
poleDepth (Double)	The depth the pole is buried in the foundation (usually the ground surface).
poleHeight (Double)	The distance the pole extends above the foundation (usually the ground surface).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
signHeight (Double)	The height dimension of the sign.
signMaterial (String16)	The material composition of the sign.
signText (String30)	The text on the sign.
signWidth (Double)	The width dimension of the sign.
soilCnd (CodeSoilConsistency)	The soil condition indicating the soil's strength and integrity.
rockCnd (CodeRockStrength)	The condition of the rock relative to the rocks strength and integrity.
type (String16)	A field indicating the kind, class, or group of the subject item.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.

size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Meter

(Database Feature Class Name = WaterMeter)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device installed in a line for measuring the quantity and or rate of water flowing to a facility or through a section of line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
meterCustomer (String20)	The name of the individual, company, or government agency served by the subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
installType (CodePumpSta)	The type installation of the subject item.
meterElv (Double)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
type (String16)	A field indicating the kind, class, or group of the subject item.
srvcMtr (CodeBoolean)	An indicator as to whether or not the meter is installed on a service line? (yes or no)
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Pig Launch Point

(Database Feature Class Name = WaterPigLaunchPoint)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

Fittings where a pigging device is inserted in order to clean or maintain a pipe. [SDSFIE DOT - NPMS].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
material (String16)	The material of the subject item.
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Pressure Reducing Station

(Database Feature Class Name = WaterPressureReducingStation)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A station consists of a box/pit containing one or more pressure regulators and appurtenant shutoff valves and fittings. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
dateConstructed (Date)	The date on which the subject item construction was complete and user occupancy provided. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
staElevation (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
pressIn (Double)	The design or maximum water system pressure in the waterline on inlet side of the pressure reducing station.
pressOper (Double)	The normal operating water system pressure in the waterline on inlet side of the pressure reducing station.
source (String16)	The point of origin of a water system's water supply.
pressOut (Double)	The design or maximum water system pressure in the waterline on outlet side of the pressure reducing station.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in

	ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Pump

(Database Feature Class Name = WaterPump)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A mechanical device for water system that draws material into itself through an entrance port and forces the material out through an exhaust port. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.
Attributes:	
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
capacityAct (Double)	The measured capacity of the pump operating under actual normal head and flow conditions.
capacityRate (Double)	The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pwrGen (Double)	The power generated by the pump, equal in the U.S. to 746 watts and nearly equivalent to the English gravitational unit of the same name that equals 550 foot-pounds of work per second.
pwrReq (CodeVoltage)	The voltage of the electrical power required by the subject item.
type (String16)	A field indicating the kind, class, or group of the subject item.
primRqd (CodeBoolean)	An indicator as to whether or not the pump has to be primed? (yes or no).
primeMethod (String15)	The method by which the pump is primed.
tdhRated (Double)	The total dynamic head upon which the capacity_rated is based.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.

Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Pump Station

(Database Feature Class Name = WaterPumpStation)

Geometry Type: Polygon Accuracy: +/-1Ft. Sensitivity: Secret

A building in which one or more pumps operate to maintain flow at adequate pressure within a water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	The name of the pumping station.[HSIP].
maaAlias (String60)	An alternative or former name by which the feature is refered.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
srcName (String16)	The name of the water source (e.g., Mississippi River, Bayou LaFouche, etc.).
Attributes:	
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
hiWaterElevation (Double)	The high water or overflow elevation of the elevated water storage tank downstream of the pumping station, in feet (English units) or meters (SI units) above some datum.
nodalElv (Double)	The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
wetwlCapacity (Double)	The wet well capacity.
staWidth (Double)	The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
staCapacity (Double)	The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
staElevation (Double)	The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
staType (CodePumpSta)	Discriminator. The type of station.
noPumps (Integer)	The total number of pumps located at the subject item.
source (String16)	The point of origin of a water system's water supply.
staLength (Double)	The length dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
pumpElevation (Double)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.

tnkalrmelv (Double)	Elevation of water in upstream ground water storage tank(s) which represents a low level which activates a low water/pressure alarm.
area (Double)	The size of the area, zone, or polygon in square units.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
description (String255)	A description or other unique information concerning the subject item.
mapGrid (String5)	Number of grid on map on which item is shown on
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Rectifier

(Database Feature Class Name = WaterRectifier)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A device that changes alternating current to direct current for an impressed current cathodic protection system on an element of the water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
coolMethod (CodeEquipmentCooling)	The method by which the rectifier is cooled, typically air or oil.
enclType (CodeElectricMotorEnclType)	The type of enclosure used to protect the rectifier.
voltOut (CodeVoltage)	The output DC voltage from the rectifier to the anode system.
currntOut (Double)	The output direct current from the rectifier to the anode system.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
internalMeter (CodeBoolean)	An indicator as to whether or not the rectifier has an internal meter, yes/no.
noPhases (Integer)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	The letter(s) of the phase(s) for the subject item.
voltIn (CodeVoltage)	The input AC voltage to the rectifier.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.

size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Regulator Reducer

(Database Feature Class Name = WaterRegulatorReducer)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A pressure regulator located in the water line that automatically reduces the pressure on the downstream side of the valve to a preset magnitude. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
size (CodePipeDiameter)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1in gas hydrant, 2in meter, 6in pipe).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
pressIn (Double)	The design water system pressure in the waterline on inlet side of the pressure regulator.
type (String16)	Discriminator. The kind, class, or group of the subject item.
pressOut (Double)	The design water system pressure in the waterline on outlet side of the pressure regulator.
pressReqd (Double)	The required maximum outlet pressure setting for the regulator.
regElevation (Double)	The elevation of the pressure regulator, measured at the regulator centerline.
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Reservoir

(Database Feature Class Name = WaterReservoirArea)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A body of water which supplies water to a water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.

dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Source Site

(Database Feature Class Name = WaterSourceSite)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

The point from which water is supplied for processing and distribution. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	The name of the water intake.[HSIP].
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

area (Double)	The size of the area, zone, or polygon in square units.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
type (String16)	A field indicating the kind, class, or group of the subject item.
sysType (String16)	The type of water system.[USACE OPERATIONS].
catPipe (CodePipeCategory)	Category of pipe[S-57].
length (Double)	The overall length of the feature.[Center].
maxFlow (Double)	The intake capacity of the pipe.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Tank

(Database Feature Class Name = WaterTank)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

An above or below grade receptacle or chamber used for holding water on a temporary basis prior to transfer or use. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String80)	Indicates the name as given for the water system control facility.[HSIP].
maaAlias (String60)	An alternative or former name by which the feature is refered.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturer's serial, or unique identification number of the subject item.

Attributes:

alarmLevel (Double)	The elevation of the preset level in a tank which activates a low water level alarm, in feet (English units) or meters (SI units) above mean sea level. Mean sea level is universally considered as the elevation reference surface although local surveys may
altValve (CodeBoolean)	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
area (Double)	The size of the area, zone, or polygon in square units.
level1On (Double)	The elevation of the preset level in a tank which activates one pump or one control valve which supplies water to the tank, in feet (English units) or meters (SI units) above some datum.
level2On (Double)	The elevation of the preset level in a tank which activates a second pump, or control valve, which operates in conjunction with the first activated pump, or control valve, to supply water to the tank, in feet or meters above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
levelOff (Double)	The elevation of the preset level in a tank which turns off the pump(s) or control valve(s) which supply water to the tank, in feet (English units) or meters (SI units) above some datum.
levelShut (Double)	The elevation of the preset level in a tank (ground storage or supply tank) which indicates a dangerously low water level in the tank and turns off all pumps which draw water from the tank, in feet (English units) or meters (SI units) above some datum.
ovrflwElevation (Double)	The elevation measured at the point of overflow, or entrance, into the tank overflow pipe,, in feet (English units) or meters (SI units) above some datum.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
headNorm (Double)	The normal operating head for the subject item.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressAlrm (Double)	The preset pressure setting of a tank which activates a low tank pressure alarm.
pressHigh (Double)	The preset high, or maximum, operating pressure setting of a tank. For a hydropneumatic (i.e., pressure) type tank this is the setting at which all pumps supplying water to the tank, and all air compressors supplying compressed air to the tank, are off.
invertElv (Double)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum. mean sea level.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
topElevation (Double)	The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankLength (Double)	The length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
tankSt (CodeStyleTank)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tankUse (CodeTankUse)	The particular kind or use of the tank (e.g., raw water, potable, etc.).
tankVol (Double)	The tank's storage capacity (e.g., gallons, ft3, etc).

tankWidth (Double)	The exterior width dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
pressLow (Double)	The preset low, or minimum, operating pressure setting of a tank. For a hydropneumatic (i.e., pressure) type tank this is the setting which activates the pump(s) supplying water to the tank. For an elevated type tank, this is the setting which activates
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
pressNorm (Double)	The manufacturer's (as rated by American Society of Mechanical Engineers (ASME) testing procedures) maximum pressure rating of the water tank.
tankDiameter (Double)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
description (String255)	A description or other unique information concerning the subject item.
color (CodeColor)	The color of the water tank.
lightCode (String1)	The light code of the tank.
lightingType (CodeLightingConfigurationType)	Thetype of lighting configuration.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking
verticalStructureMaterial (String16)	The vertical structure material.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Treatment Plant

(Database Feature Class Name = WaterTreatmentPlant)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A water treatment plant and all appurtenant equipment, buildings, and facilities relating to water treatment. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	A description or other unique information concerning the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.),

	from lists or entered from field inspections.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.
source (String255)	The source of the feature.
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Treatment Unit

(Database Feature Class Name = WaterTreatmentUnit)

Geometry Type: Polygon Accuracy: +/-5Ft. Sensitivity: Confidential

A water separation pond or other pool designed to allow solid material decomposition. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String16)	The site specific identification name or number assigned to the subject item.
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
area (Double)	The size of the area, zone, or polygon in square units.
condition (CodePoleCondition)	Indicates a state of being, or readiness for use of the subject item (e.g., good, fair, poor), from lists or field inspections.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
bypass (CodeBoolean)	Indicates whether or not the treatment plant has a bypass line? (yes or no).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
flowRated (Double)	The plant manufacturer's rated treatment plant capacity (e.g., gpm), which signifies the peak constant or daily flow of raw water that the plant can treat and transform to the specified water quality requirements.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
flowAct (Double)	The measured peak treatment capacity of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
noPumps (Integer)	The total number of pumps located at the subject item.
perimeter (Double)	The distance around the boundary of the area, zone, or subject item in linear units.
source (String16)	The point of origin of a water system's water supply.

type (String16)	A field indicating the kind, class, or group of the subject item.
plantElv (Double)	The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Double)	The overall length dimension of the treatment plant.
plantwidth (Double)	The overall width dimension of the water treatment plant.
numCust (Integer)	The number of customers being served by the treatment facility.[HSIP].
description (String255)	A description or other unique information concerning the subject item.
material (String16)	The material of the subject item.
Metadata:	
collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Valve

(Database Feature Class Name = WaterValve)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a water line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:	
maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
name (String20)	Descriptive identifying text
maaAlias (String60)	An alternative or former name by which the feature is refered.
Attributes:	
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
branchSys (String12)	An operator generated identifier that is a unique site specific name or number designation of a branch or isolated area of a water distribution system.
groundElevation (Double)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
valveElv (Double)	The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
featureUse (String16)	Discriminator. The site specific use of the valve.
valveSize (CodePipeDiameter)	A code indicating the manufacturer's nominal size designation.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).

coverDepth (Double)	The depth of cover. The depth measured from top of ground's surface (or grade) to top of underground waterline valve.[Air Force].
description (String255)	A description or other unique information concerning the subject item.
coordX (Double)	The coordinate in the east-west plane, expressed in decimal degrees.
coordY (Double)	The coordinate in the north-south plane, expressed in decimal degrees.
MAA requirementmapGrid (String5)	Number of grid on map on which item is shown on
locationNotes (String255)	Notes on the location of the feature.
valveDesc (CodeValveType)	The valve type.
valveUse (String25)	A description of the valve's use.
material (String16)	The material of the subject item.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
valveOpen (CodeValveOpen)	The direction a valve must be turned to open.
operatingStatus (CodeValveStatus)	The normal operating status of the valve.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.projectType (CodeProjectType) The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Water : Vent

(Database Feature Class Name = WaterVent)

Geometry Type: Point Accuracy: +/-1Ft. Sensitivity: Secret

A valve installed in a line to either release air trapped in the line, and/or allow air into a line to relieve a vacuum condition. [FGDC Utilities Classification].

Names and Identifiers:

maaID (String30)	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value)
maaAlias (String60)	An alternative or former name by which the feature is refered.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset.[Adopted from SDSFIE].
description (String255)	Any brief description of the feature.
material (String16)	The material of the subject item.
size (Integer)	The size of the subject item.
disposition (CodeDispositionObject)	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

Metadata:

collectionProgress (CodeProgress)	The progress of the data collection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
verified (String255)	Whether or not the feature has been verified.source (String255)
projectType (CodeProjectType)	The type of project or work activity that installed or first recorded the location of this feature.
projectId (String20)	A unique identifier associated with the project or work activity that installed or first recorded the location of this feature.
status (CodeStatus)	A temporal description of the operational status of the feature.
Alternative (Integer)	Discriminator used to tie features of a plan or proposal together into a version.
userFlag (String254)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.[SDSFIE].
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource)	The primary source of the data in this record.
dataSource2 (CodeDataSource)	The secondary source of the data in this record.
sourceStatement (String255)	A statement providing additional details about the source of the data.
editorName (String50)	The name of the individual who last edited this data.
lastUpdate (Date)	The date upon which any data associated with this record was last updated.

System Keys:

guid (String60)	A globally unique identifier applied to each feature in the database for reference.
metaId (Integer)	An identifier used to refer to a metadata record that provide additional information about the data in this record.

Domain Values

This section lists the acceptable domain values for each of the attributes bound by list domains. Each list of acceptable values is an enumeration, which means that one of the values must be selected in order to be compliant with the standard. For each value there is a definition, notes, and a source. Notes are captured in parentheses and the source is provided in brackets.

CodeAirPressureDeviceType

Used by Attributes: Air Pressure Device - Airp Type

Value	Definition (Notes) [Source]
A	Transducer [SDSFIE V2 Austin and Pitts]
AIRFLOW_B	Meter Panel Component [SDSFIE V2 Austin and Pitts]
ALARM_PIPE	Meter Panel Component [SDSFIE V2 Austin and Pitts]
AV	Automatic Shut-Off Valve [SDSFIE V2 Austin and Pitts]
B	By-Pass [SDSFIE V2 Austin and Pitts]
BV	By-Pass Valve [SDSFIE V2 Austin and Pitts]
C	Pressure Contactor [SDSFIE V2 Austin and Pitts]
CA_3131	Gas Feeder Pipe [SDSFIE V2 Austin and Pitts]
CD	Compressed Dry Air Source [SDSFIE V2 Austin and Pitts]
CO	Central Office [SDSFIE V2 Austin and Pitts]
CT	Pressure Contactor Terminal [SDSFIE V2 Austin and Pitts]
DBV	Dual (Shutoff) Valve. [SDSFIE V2.5 AIR FORCE]
E	Pressure Contactor [SDSFIE V2 Austin and Pitts]
GT	Gas-Tight Cable Terminal [SDSFIE V2 Austin and Pitts]
GT_500CFD	Air Dryer (greater than 500 Cfd) [SDSFIE V2 Austin and Pitts]
LT_500CFD	Air Dryer (less than 500 Cfd) [SDSFIE V2 Austin and Pitts]
M	Flow Meter [SDSFIE V2 Austin and Pitts]
M_262	Manifold [SDSFIE V2 Austin and Pitts]
MF	Pipe Manifold [SDSFIE V2 Austin and Pitts]
MODEL_3000	Compressor Dehydrator [SDSFIE V2 Austin and Pitts]
MP	Meter Panel [SDSFIE V2 Austin and Pitts]
P	Pressure Plug [SDSFIE V2 Austin and Pitts]
PRESS_C	Transducer [SDSFIE V2 Austin and Pitts]
R	Pressure Regulator [SDSFIE V2 Austin and Pitts]
RV	Excessive Pressure Relief Valve [SDSFIE V2 Austin and Pitts]
T	Gas-Tight Cable Terminal [SDSFIE V2 Austin and Pitts]
TD	Pressure Transducer [SDSFIE V2 Austin and Pitts]
V	Pressure Testing Valve [SDSFIE V2 Austin and Pitts]
VALVE_750	Transducer [SDSFIE V2 Austin and Pitts]
VALVE_BLK	Pressure [SDSFIE V2 Austin and Pitts]
VALVE_C	Pressure [SDSFIE V2 Austin and Pitts]
VT	Cable Vent [SDSFIE V2 Austin and Pitts]

CodeAmplifierType

Used by Attributes: Amplifier - Amp Type;Attenuator - Attn Type;Impedance Matching Point - Imp Type

Value	Definition (Notes) [Source]
CATV	Cable Television Amplifier [SDSFIE V2 Tinker Air Force Base]
OTHER	Other [SDSFIE V2]
PHONE_LINE_AMP	Telephone Line Amplifier [SDSFIE V2 Tinker Air Force Base]
RADIO	Radio [SDSFIE V2 Tinker Air Force Base]
TBD	To Be Determined [SDSFIE V2 Tinker Air Force Base]
UNKNOWN	Unknown [SDSFIE V2]
VIDEO	Video Amplifier [SDSFIE V2 Tinker Air Force Base]

CodeAnodes

Used by Attributes: Anode - Material;Anode - Material;Anode - Material;Anode - Material;Anode - Material;Anode - Material

Value	Definition (Notes) [Source]
AL	aluminum [SDSFIE V1.4]
CI	cast iron [SDSFIE V1.4]
GR	graphite [SDSFIE V1.4]
MG	magnesium [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
ZN	zinc [SDSFIE V1.4]

CodeAntennaPolarization

Used by Attributes: Antenna Site - Polr Type

Value	Definition (Notes) [Source]
CLOCKWISE	Installed with the plane of polarization rotating right-hand circular. [SDSFIE V2.5 Air Force]
COUNT_CLOCKWISE	Installed with the plane of polarization rotating left-hand circular. [SDSFIE V2.5 Air Force]
HORIZONTAL	Installed with the plane of polarization parallel to earth's surface. [SDSFIE V2.5 Air Force]
OTHER	Other
TBD	To be Determined
UNKNOWN	Unknown
VERTICAL	Installed with the plane of polarization perpendicular to the earth's surface. [SDSFIE V2.5 Air Force]

CodeAntRadPattern

Used by Attributes: Access Point - Radiation Pattern;Antenna Site - Radiation Pattern

Value	Definition (Notes) [Source]
DIRECTIONAL	Directional Antenna. [SDSFIE V2.5 AIR FORCE]
LOS	Line of Sight. [SDSFIE V2.5 AIR FORCE]
OMNI	Omnidirectional Antenna. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeBankArmorLining

Used by Attributes: Open Drainage Line - Bank Arm

Value	Definition (Notes) [Source]
ASPHALT	asphalt [SDSFIE V1.4]
CEMENTD_STONE	cemented stones [SDSFIE V1.4]
CONCRETE_LINED	concrete lined [SDSFIE V1.4]
DUMP_BRICK_CONC	dumped brick and concrete [SDSFIE V1.4]
DUMPED_ROCK	dumped rocks [SDSFIE V1.4]
FORMEDLINING	formed channel lining [SDSFIE V1.4]
GABIONS	gabions [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PILEDIKE	pile dike [SDSFIE V1.4]
PLACED_STONE	placed stone [SDSFIE V1.4]
SAND_CEMNBGRR	sand cement/bag riprap [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WILLOW_MAT	willow mat [SDSFIE V1.4]

CodeBankSide

Used by Attributes: Pump - Bank

Value	Definition (Notes) [Source]
L_DESCENDING	Left descending bank [SDSFIE V1.8 REEGIS]
LEFT	left [SDSFIE V1.8 REEGIS]
NON_RIVERINE	non riverine [SDSFIE V2.6 LEVEE DATABASE]
R_DESCENDING	Right descending bank [SDSFIE V1.8 REEGIS]
RIGHT	right [SDSFIE V1.8 REEGIS]

CodeBedMaterial

Used by Attributes: Open Drainage Line - Bed Material

Value	Definition (Notes) [Source]
AQUATCWEED	aquatic weed [SDSFIE V1.4]
CEMENTED_STONE	cemented stones [SDSFIE V1.4]
CLAY	clay [SDSFIE V1.4]
CONCRETE_LINED	concrete lined [SDSFIE V1.4]
CRSAND_GRAVEL	coarse sand and gravel [SDSFIE V1.4]
EXPOSED_ROCK	exposed rock [SDSFIE V1.4]
FINE_SAND	fine sand [SDSFIE V1.4]
GRASSED	grassed [SDSFIE V1.4]
GRAVEL_STONE	gravel to larger stone [SDSFIE V1.4]
ORGANIC_MUD	organic mud [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PLACED_STONE	placed stone [SDSFIE V1.4]
SAND	Sand. [SDSFIE V2.5 USACE]
SILT_SAND	Silty sand. [SDSFIE V2.5 USACE]
TBD	to be determined [SDSFIE V1.4]
UNDERBRUSH	underbrush [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeBilKv

Used by Attributes: Bus Line - Bil Rat

Value	Definition (Notes) [Source]
15KV	15kv basic insulation level [SDSFIE V1.4]
25KV	25kv basic insulation level [SDSFIE V1.4]
5KV	5kv basic insulation level [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]

CodeBldgLevel

Used by Attributes: Hydrant – Building Level

Value	Definition (Notes) [Source]
LOWER_LEVEL_TERMINAL	Lower level BWI terminal
UPPER_LEVEL_TERMINAL	Upper level BWI terminal

CodeBoolean

Used by Attributes: Lagoon - Aerator;Lagoon - Aerator;Storage Area - Aerator;Vault - Air Release Present;Junction - Air Relief Valve Code;Oil Water Separator Diversion Vault - airReleasePresent;Junction - Airrf Valve;Junction - Airrf Valve;Junction - Airrf Valve;Vault - airrfValve;Disposal Tank - Alt Valve;Tank - Alt Valve;Tank - Alt Valve;Tank - Alt Valve;Tank - Altitude Valve;Tank - Altitude Valve;Access Point - Antenna Location;Generator - Automatic Transfer Switch Code;Pedestal Site - Bonded;Treatment Plant - Bypass;Treatment Unit - Bypass;Treatment Unit - Bypass;Utility Pole Tower Site - Capped;Line - Cat Prot;Line - Cat Prot;Line - Cat Prot;Line - Cathodic Protection;Treatment Unit - Chlorint;Ductbank - Conc Enc;Culvert Center Line - Critical;Equipment - Crypto;Video Site - Crypto;Relay Station - Deployab;Grease Trap - Dist Box Id;Valve - Diversion Vault Valve;Septic Tank - Dstbx;Riser - Duct;Discharge Point - Enabled;Drainage Divide Line - Enabled;Fitting - Enabled;Inlet - Enabled;Junction - Enabled;Line - Enabled;Oil Water Separator - Enabled;Oil Water Separator

Diversion Vault - enabled;Open Drainage Line - Enabled;Pump - Enabled;Storm Ceptor - enabled;Storm Filter - enabled;Storm Trench Drain Line - enabled;Vault - Enabled;Vertical Site - Endguard;Line - Exp Loop;Inlet - Garage Inlet;Vertical Site - Grdrails;Vertical Site - Grndbar;Utility Pole Tower Site - Grounded;Oil Water Separator - Grtchbr;Oil Water Separator - Grtchbr;Oil Water Separator - Grtchbr;Oil Water Separator - Grtchbr;Storm Ceptor - grtchbr;Storm Filter - grtchbr;Junction - High Level Alarm Flag;Access Point - Ids;Junction - Illict;Equipment - Int Vid;Rect Point - Internal Meter;Rectifier - Internal Meter;Rectifier - Internal Meter;Rectifier - Internal Meter;Rectifier - Internal Meter;Rectifier - Internal Meter;Transmission Pipeline - Interstate;Culvert Center Line - Lined;Line - Lined;Line - Lined;Line - Lined;Line - Lined;Storm Trench Drain Line - lined;Tank - Lng Fac;Cable - Loosbuf;Grease Trap - Manhole;Septic Tank - Manhole;Speaker - Multp 2 5;Speaker - Multp 7 0;Relay Station - Narrowbn;Equipment - Ncc;Grit Chamber - O W Sep;Grit Chamber - O W Sep;Marker - Passve;Transformr Bank - Pcb;Lagoon - Pip Outl;Lagoon - Pip Outl;Storage Area - Pip Outl;Pump - Prim Required;Pump - Prim Rqd;Pump - Prim Rqd;Pump - Prim Rqd;Pump - Prim Rqd;Pump - Prim Rqd;Pump - Prim Rqd;Pump - Priming Required;Vault - Pump Out Present;Oil Water Separator Diversion Vault - pumpOutPresent;Relay Station - Rf Lmrwd;Radio Receiver - Rf P 2 5C;Radio Transmitter - Rf P 2 5C;Radio Receiver - Rf P 2 5T;Radio Transmitter - Rf P 2 5T;Tank - Secondary Containment;Light - Sensor;Meter - Service Meter;Meter - Service Meter;Meter - Service Meter;Meter - Service Meter;Generator - Sound;Farm Site - Strategic Petroleum Reserve Code;Tank - Strategic Petroleum Reserve Code;Capacitor - Switch;Line - Tape;Line - Tape;Pedestal Site - Terminal;Relay Station - Trnk P 2 5;Relay Station - Tx Analg;Relay Station - Tx Digl;Lagoon - User Ind;Lagoon - User Ind;Storage Area - User Ind;Lagoon - User San;Lagoon - User San;Storage Area - User San;Tank - ustSensor;Culvert Center Line - Verified;Fire Connection Point - Verify;Speaker - Weather;Lagoon - Wer Outl;Lagoon - Wer Outl;Storage Area - Wer Outl;Lagoon - X Dikes;Lagoon - X Dikes;Reservoir - X Dikes;Reservoir - X Dikes;Stilling Basin - X Dikes

Value	Definition (Notes) [Source]
N	No
Y	Yes

CodeCableConnectorType

Used by Attributes: Antenna Site - Conn Type;Terminator - Connt;Media Converter - Connt 1;Media Converter - Connt 2

Value	Definition (Notes) [Source]
1_0_2_3_F	1.0/2.3, Female. [SDSFIE V2.5 AIR FORCE]
1_0_2_3_M	1.0/2.3, Male. [SDSFIE V2.5 AIR FORCE]
1_6_5_6_F	1.6/5.6, Female. [SDSFIE V2.5 AIR FORCE]
1_6_5_6_M	1.6/5.6, Male. [SDSFIE V2.5 AIR FORCE]
7_16_DIN_F	7-16 Deutsh Industries Norm (DIN), Female. [SDSFIE V2.5 AIR FORCE]
7_16_DIN_M	7-16 Deutsh Industries Norm (DIN), Male. [SDSFIE V2.5 AIR FORCE]
AMC_F	Amphenol Micro Coaxial (AMC), Male. [SDSFIE V2.5 AIR FORCE]
AMC_M	Amphenol Micro Coaxial (AMC), Female. [SDSFIE V2.5 AIR FORCE]
BI_F	Bionic, Female. [SDSFIE V2.5 AIR FORCE]
BI_M	Bionic, Male. [SDSFIE V2.5 AIR FORCE]
BNC_F	Bayonet Neill Concelman (BMC), Female. [SDSFIE V2.5 AIR FORCE]
BNC_M	Bayonet Neill Concelman (BMC), Male. [SDSFIE V2.5 AIR FORCE]
C_F	C Connector, Female. [SDSFIE V2.5 AIR FORCE]
C_M	C Connector, Male. [SDSFIE V2.5 AIR FORCE]
D4_F	D4, Female. [SDSFIE V2.5 AIR FORCE]
D4_M	D4, Male. [SDSFIE V2.5 AIR FORCE]
DB_25_F	25-pin D-type connector, Female. [SDSFIE V2.5 AIR FORCE]
DB_25_M	25-pin D-type connector, Male. [SDSFIE V2.5 AIR FORCE]
DB_9_F	9-pin D-type connector, Female. [SDSFIE V2.5 AIR FORCE]
DB_9_M	9-pin D-type connector, Male. [SDSFIE V2.5 AIR FORCE]
DE_9_F	9-pin D-type connector, Female AKA DB-10. [SDSFIE V2.5 AIR FORCE]
DE_9_M	9-pin D-type connector, Male AKA DB-10. [SDSFIE V2.5 AIR FORCE]
F_TYPE_F	F TYPE, Female. [SDSFIE V2.5 AIR FORCE]
F_TYPE_M	F-M - F TYPE, Male. [SDSFIE V2.5 AIR FORCE]
FC_F	MIL-C-39012 category D type, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
FC_M	MIL-C-39012 category D type, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
FDDI_F	Fiber Distributed Data Interface, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
FDDI_M	Fiber Distributed Data Interface, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
FIREWIRE_4F	IEEE 1394 Fire wire connector, 4-pin, Female. [SDSFIE V2.5 AIR FORCE]
FIREWIRE_4M	IEEE 1394 Fire wire connector, 4-pin, Male. [SDSFIE V2.5 AIR FORCE]
FIREWIRE_6F	IEEE 1394 Fire wire connector, 6-pin, Female. [SDSFIE V2.5 AIR FORCE]
FIREWIRE_6M	IEEE 1394 Fire wire connector, 6-pin, Male. [SDSFIE V2.5 AIR FORCE]
FME_F	FME, Female. [SDSFIE V2.5 AIR FORCE]
FME_M	FME, Male. [SDSFIE V2.5 AIR FORCE]
G_TYPE_F	G-F - Type G, Female. [SDSFIE V2.5 AIR FORCE]
G_TYPE_M	G-M - Type G, Male. [SDSFIE V2.5 AIR FORCE]

HM_F	HN, weatherproof, RF connector, Female. [SDSFIE V2.5 AIR FORCE]
HN_M	HN, weatherproof, RF connector, Male. [SDSFIE V2.5 AIR FORCE]
LC_F	Limited Co-ordination Specification (LC Spec.), Female. [SDSFIE V2.5 AIR FORCE]
LC_M	Limited Co-ordination Specification (LC Spec.), Male. [SDSFIE V2.5 AIR FORCE]
MINI_UHF_F	MINI UHF, Female. [SDSFIE V2.5 AIR FORCE]
MINI_UHF_M	MINI UHF, Male. [SDSFIE V2.5 AIR FORCE]
MT_RJ_F	MT-RJ, FO, RJ45 footprint connector, Female. [SDSFIE V2.5 AIR FORCE]
MT_RJ_M	MT-RJ, FO, RJ45 footprint connector, Male. [SDSFIE V2.5 AIR FORCE]
N_TYPE_F	N TYPE, Female. [SDSFIE V2.5 AIR FORCE]
N_TYPE_M	N TYPE, Male. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
RJ21_F	RJ21, RJ21 AKA Telco 50-pin connector, Female. [SDSFIE V2.5 AIR FORCE]
RJ21_M	RJ21 AKA Telco 50-pin connector, Male. [SDSFIE V2.5 AIR FORCE]
RJ45_F	RJ45, Female. [SDSFIE V2.5 AIR FORCE]
RJ45_M	RJ45, Male. [SDSFIE V2.5 AIR FORCE]
SC_F	Plug and socket, push-pull latch, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
SC_M	Plug and socket, push-pull latch, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
SMA_F	SubMiniature Version A, Female. [SDSFIE V2.5 AIR FORCE]
SMA_M	Subminiature Version A, Male. [SDSFIE V2.5 AIR FORCE]
SMC_F	Subminiature Version C, Female. [SDSFIE V2.5 AIR FORCE]
SMC_M	Subminiature Version C, Male. [SDSFIE V2.5 AIR FORCE]
ST_F	ST, Female. [SDSFIE V2.5 AIR FORCE]
ST_M	ST, Male. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
TNC_F	TNC Female. [SDSFIE V2.5 AIR FORCE]
TNC_M	TNC Male. [SDSFIE V2.5 AIR FORCE]
UHF_F	UHF, Female. [SDSFIE V2.5 AIR FORCE]
UHF_M	UHF, Male. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
USB_F	Universal Serial Bus, Female. [SDSFIE V2.5 AIR FORCE]
USB_M	Universal Serial Bus, Male. [SDSFIE V2.5 AIR FORCE]

CodeCableDimension

Used by Attributes: Cable - Cbl Dim;Twisted Pair Line - Cbl Size;Cable - Cond Size;Cable - Neut Size;Antenna Line - Size;Segmented Cable - Size;Bus Line - Size Neut;Anode Test Station - Wire Size;Anode Test Station - Wire Size;Anode Test Station - Wire Size;Anode Test Station - Wire Size;Anode Test Station - Wire Size;Anode Test Station - Wire Size

Value	Definition (Notes) [Source]
#1/0	#1/0 [SDSFIE V2.1 FGDC Utilities Classification]
#10	#10 [SDSFIE V2.1 FGDC Utilities Classification]
#14	#14 [SDSFIE V2.1 FGDC Utilities Classification]
#16	#16 [SDSFIE V2.1 FGDC Utilities Classification]
#18	#18 [SDSFIE V2.1 FGDC Utilities Classification]
#19	#19 [SDSFIE V2.1 FGDC Utilities Classification]
#2/0	#2/0 [SDSFIE V2.1 FGDC Utilities Classification]
#20	#20 [SDSFIE V2.1 FGDC Utilities Classification]
#22	#22 [SDSFIE V2.1 FGDC Utilities Classification]
#24	#24 [SDSFIE V2.1 FGDC Utilities Classification]
#26	#26 [SDSFIE V2.1 FGDC Utilities Classification]
#28	#28 [SDSFIE V2.1 FGDC Utilities Classification]
#3/0	#3/0 [SDSFIE V2.1 FGDC Utilities Classification]
#30	#30 [SDSFIE V2.1 FGDC Utilities Classification]
#32	#32 [SDSFIE V2.1 FGDC Utilities Classification]
#34	#34 [SDSFIE V2.1 FGDC Utilities Classification]
#36	#36 [SDSFIE V2.1 FGDC Utilities Classification]
#4/0	#4/0 [SDSFIE V2.1 FGDC Utilities Classification]
0.375	3/8 inch [SDSFIE V2.1 FGDC Utilities Classification]
0.5	0.5 inch [SDSFIE V2.1 FGDC Utilities Classification]
0.75	0.75 inch [SDSFIE V2.1 FGDC Utilities Classification]
0_375	3/8 inch [SDSFIE V2.1 FGDC Utilities Classification]
0_5	0.5 inch [SDSFIE V2.1 FGDC Utilities Classification]
0_75	0.75 inch [SDSFIE V2.1 FGDC Utilities Classification]
1	1 inch [SDSFIE V2.1 FGDC Utilities Classification]
1.25	1.25 inches [SDSFIE V2.1 FGDC Utilities Classification]
1.5	1.5 inches [SDSFIE V2.1 FGDC Utilities Classification]
1_25	1.25 inches [SDSFIE V2.1 FGDC Utilities Classification]
1_5	1.5 inches [SDSFIE V2.1 FGDC Utilities Classification]

1000_MCM	1000 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
1033.5_MCM	1033.5 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
1113_MCM	1113 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
12	12 inches [SDSFIE V2.1 FGDC Utilities Classification]
1272_MCM	1272 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
1431_MCM	1431 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
1590_MCM	1590 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
2	2 inches [SDSFIE V2.1 FGDC Utilities Classification]
2.5	2.5 inches [SDSFIE V2.1 FGDC Utilities Classification]
2_5	2.5 inches [SDSFIE V2.1 FGDC Utilities Classification]
2156_MCM	2156 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
250_MCM	250 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
266.8_MCM	266.8 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
3	3 inches [SDSFIE V2.1 FGDC Utilities Classification]
3.5	3.5 inches [SDSFIE V2.1 FGDC Utilities Classification]
3_5	3.5 inches [SDSFIE V2.1 FGDC Utilities Classification]
300_MCM	300 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
336.4_MCM	336.4 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
336_MCM	336 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
350_MCM	350 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
397.5_MCM	397.5 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
4	4 inches [SDSFIE V2.1 FGDC Utilities Classification]
400_MCM	400 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
477_MCM	477 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
477_MCM_A	477 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
5	5 inches [SDSFIE V2.1 FGDC Utilities Classification]
500_MCM	500 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
556.5_MCM	556.5 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
556_5_MCM_A	556.5 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
6	6 inches [SDSFIE V2.1 FGDC Utilities Classification]
600_MCM	600 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
636_MCM	636 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
636_MCM_A	636 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
7	7 inches [SDSFIE V2.1 FGDC Utilities Classification]
700_MCM	700 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
750_MCM	750 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
795_MCM_A	795 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
8	8 inches [SDSFIE V2.1 FGDC Utilities Classification]
800_MCM	800 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
9	9 inches [SDSFIE V2.1 FGDC Utilities Classification]
900_MCM	900 K circular mils [SDSFIE V2.1 FGDC Utilities Classification]
954_MCM_A	954 K circular mils, ACSR [SDSFIE V2.1 FGDC Utilities Classification]
BITTERN	1272 K circular mils, ACSR,45/7 [SDSFIE V2.1 FGDC Utilities Classification]
BLUEBIRD	2156 K circular mils, ACSR,84/19 [SDSFIE V2.1 FGDC Utilities Classification]
BLUEJAY	1113 K circular mils, ACSR,45/7 [SDSFIE V2.1 FGDC Utilities Classification]
BOBOLINK	1431 K circular mils, ACSR,45/7 [SDSFIE V2.1 FGDC Utilities Classification]
CARDINAL	954 K circular mils, ACSR,54/7 [SDSFIE V2.1 FGDC Utilities Classification]
CHICKADEE	397.5 K circular mils, ACSR,18/1 [SDSFIE V2.1 FGDC Utilities Classification]
DOVE	556.5 K circular mils, ACSR,26/7 [SDSFIE V2.1 FGDC Utilities Classification]
DRAKE	795 K circular mils, ACSR,26/7 [SDSFIE V2.1 FGDC Utilities Classification]
FALCON	1590 K circular mils, ACSR,54/19 [SDSFIE V2.1 FGDC Utilities Classification]
FINCH	1113 K circular mils, ACSR,54/19 [SDSFIE V2.1 FGDC Utilities Classification]
FLICKER	477 K circular mils, ACSR,24/7 [SDSFIE V2.1 FGDC Utilities Classification]
GROSBEAK	636 K circular mils, ACSR,24/7 [SDSFIE V2.1 FGDC Utilities Classification]
HAWK	477 K circular mils, ACSR,26/7 [SDSFIE V2.1 FGDC Utilities Classification]
HEN	477 K circular mils, ACSR,30/7 [SDSFIE V2.1 FGDC Utilities Classification]
IBIS	397.5 K circular mils, ACSR,26/7 [SDSFIE V2.1 FGDC Utilities Classification]
LAPWING	1590 K circular mils, ACSR,45/7 [SDSFIE V2.1 FGDC Utilities Classification]
LINNET	336.4 K circular mils, ACSR,26/7 [SDSFIE V2.1 FGDC Utilities Classification]
MERLIN	336.4 K circular mils, ACSR,18/1 [SDSFIE V2.1 FGDC Utilities Classification]
N1	#1 [SDSFIE V2.1 FGDC Utilities Classification]
N1_0	#1/0 [SDSFIE V1.4]
N10	#10 [SDSFIE V1.4]
N12	#12 [SDSFIE V1.4]
N14	#14 [SDSFIE V1.4]
N16	#16 [SDSFIE V1.4]
N18	#18 [SDSFIE V1.4]
N19	#19 [SDSFIE V1.4]
N2	#2 [SDSFIE V1.4]

N2_0	#2/0 [SDSFIE V1.4]
N20	#20 [SDSFIE V1.4]
N22	#22 [SDSFIE V1.4]
N24	#24 [SDSFIE V1.4]
N26	#26 [SDSFIE V1.4]
N28	#28 [SDSFIE V1.4]
N3	#3 [SDSFIE V1.4]
N3_0	#3/0 [SDSFIE V1.4]
N30	#30 [SDSFIE V1.4]
N32	#32 [SDSFIE V1.4]
N34	#34 [SDSFIE V1.4]
N36	#36 [SDSFIE V1.4]
N4	#4 [SDSFIE V1.4]
N4_0	#4/0 [SDSFIE V1.4]
N5	#5 [SDSFIE V1.4]
N6	#6 [SDSFIE V1.4]
N8	#8 [SDSFIE V1.4]
ORIOLE	336.4 K circular mils, ACSR,30/7 [SDSFIE V1.7]
ORTOLAN	1033.5 K circular mils,45/7 [SDSFIE V1.7]
OSPREY	556.5 K circular mils, ACSR,18/1 [SDSFIE V1.7]
OSTRICH	300 K circular mils, ACSR,26/7 [SDSFIE V1.7]
OTHER	other [SDSFIE V1.4]
PARAKEET	556.5 K circular mils, ACSR,24/7 [SDSFIE V1.7]
PARTRIDGE	556.5 K circular mils, ACSR,26/7 [SDSFIE V1.7]
PELICAN	266.8 K circular mils, ACSR,18/1 [SDSFIE V1.7]
PHEASANT	477 K circular mils, ACSR,54/19 [SDSFIE V1.7]
PLOVER	1272 K circular mils, ACSR,54/19 [SDSFIE V1.7]
RAIL	1431 K circular mils, ACSR,45/7 [SDSFIE V1.7]
ROOK	954 K circular mils, ACSR,24/7 [SDSFIE V1.7]
TBD	to be determined [SDSFIE V1.4]
TERN	795 K circular mils, ACSR,45/7 [SDSFIE V1.7]
UNKNOWN	unknown [SDSFIE V1.4]
WAXWING	266.8 K circular mils, ACSR,18/1 [SDSFIE V1.7]

CodeCableElevation

Used by Attributes: Coaxial Line - Cab Elev;Fiberoptic Line - Cab Elev;Other Cable - Cab Elev;Twisted Pair Line - Cab Elev;Waveguide Line - Cab Elev

Value	Definition (Notes) [Source]
MAIN_BURIED	Underground main communications cables [SDSFIE V1.6]
MAIN_OHEAD	Overhead communications cables, normally suspended from or between poles. [SDSFIE V1.6]
MAIN_SUBMERGE	Submerged communications cables, either on the bottom or buried in the bottom of a water body or water course. [SDSFIE V1.6]
SERV_BURIED	The cable is a secondary service line which has been buried below ground. [SDSFIE V1.6]
SERV_OHEAD	A secondary service line which is suspended overhead, normally between poles. [SDSFIE V1.6]
SERV_SUBMERGE	A secondary service line which lies on the bottom of a watercourse or water body or which has been buried in the bottom. [SDSFIE V1.6]

CodeCableGaDimensions

Used by Attributes: Terminator - Cbldim 3

Value	Definition (Notes) [Source]
100_UM	101 micron core (obsolete). [SDSFIE V2.5 AIR FORCE]
1000_UM	2 mm (Plastic Optical Fiber). [SDSFIE V2.5 AIR FORCE]
125_UM	126 micron cladding. [SDSFIE V2.5 AIR FORCE]
140_UM	141 micron cladding (obsolete). [SDSFIE V2.5 AIR FORCE]
200_UM	201 micron core. [SDSFIE V2.5 AIR FORCE]
240_UM	241 micron cladding. [SDSFIE V2.5 AIR FORCE]
50_UM	51 micron core. [SDSFIE V2.5 AIR FORCE]
62_5_UM	62.5 micron core. [SDSFIE V2.5 AIR FORCE]
8_3_UM	8.3 micron core. [SDSFIE V2.5 AIR FORCE]
N14	#14 or 14 Gage. [SDSFIE V2.5 AIR FORCE]
N16	#16 or 16 Gage. [SDSFIE V2.5 AIR FORCE]

N18	#18 or 18 Gage. [SDSFIE V2.5 AIR FORCE]
N19	#19 or 19 Gage. [SDSFIE V2.5 AIR FORCE]
N20	#20 or 20 Gage. [SDSFIE V2.5 AIR FORCE]
N22	#22 or 22 Gage. [SDSFIE V2.5 AIR FORCE]
N24	#24 or 24 Gage. [SDSFIE V2.5 AIR FORCE]
N26	#26 or 26 Gage. [SDSFIE V2.5 AIR FORCE]
N28	#28 or 28 Gage. [SDSFIE V2.5 AIR FORCE]
N30	#30 or 30 Gage. [SDSFIE V2.5 AIR FORCE]
N32	#32 or 33 Gage. [SDSFIE V2.5 AIR FORCE]
N34	#34 or 34 Gage. [SDSFIE V2.5 AIR FORCE]
N36	#36 or 36 Gage. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeCableInstallationType

Used by Attributes: Path Segment Line - Cabins;Coaxial Line - Install Type;Fiberoptic Line - Install Type;Other Cable - Install Type;Segmented Cable Point - Install Type;Twisted Pair Line - Install Type;Waveguide Line - Install Type

Value	Definition (Notes) [Source]
ABANDONED	abandoned [SDSFIE V1.6]
ABOVEGROUND	above ground [SDSFIE V1.6]
AER	aerial attachment [SDSFIE V2 Austin and Pitts]
BORE	jack and bore, pull cable [SDSFIE V2 Austin and Pitts]
BURY	direct bury cable [SDSFIE V2 Austin and Pitts]
DB	directional bore conduit, pull cable [SDSFIE V2 Austin and Pitts]
INSIDE	inside [SDSFIE V1.6]
JSC	jet submarine cable [SDSFIE V2 Austin and Pitts]
OUTSIDE	outside [SDSFIE V1.6]
OVERHEAD	overhead [SDSFIE V1.6]
TR	trench and place conduit, pull cable [SDSFIE V2 Austin and Pitts]
TUNNEL	tunnel [SDSFIE V1.6]
UNDERGROUND	underground [SDSFIE V1.6]

CodeCableType

Used by Attributes: Segmented Cable Point - Cab Type;Waveguide Line - Cab Type;Equipment - Cbl Type;Media Converter - Cbltyp 1;Media Converter - Cbltyp 2

Value	Definition (Notes) [Source]
1_WIRE	1-wire, single conductor [SDSFIE V1.4]
18_7_FC	18x7 FC [SDSFIE V1.4]
19_7	19x7 [SDSFIE V1.4]
3_19_FLUSHER	3x19 slusher [SDSFIE V1.4]
3_7_GRD_RAIL	3x7 guard rail [SDSFIE V1.4]
3_WIRE_PRKWY	3-wire parkway [SDSFIE V1.4]
3_WIRE_ROUND	3-wire, round [SDSFIE V1.4]
3_WIRE_SGMNT	3-wire, segmental [SDSFIE V1.4]
4_WIRE_ROUND	4-wire, quad conductor [SDSFIE V1.4]
5_19_CLAD	5x19 marlin clad FC [SDSFIE V1.4]
6_12_FILLER_FC	6x12 filler wire FC [SDSFIE V1.4]
6_12_GALV_FC	6x12 galvanized running rope FC [SDSFIE V1.4]
6_19_CLAD	6x19 marlin clad [SDSFIE V1.4]
6_19_SEALE_IWRC	6x19 Seale IWRC [SDSFIE V1.4]
6_24_HAWSER	6x24 hawser [SDSFIE V1.4]
6_25_FILL_IWRC	6x25 filler wire IWRC [SDSFIE V1.4]
6_25B_FLAT_FC	6x25B flattened strand FC [SDSFIE V1.4]
6_26_WARR_IWRC	6x26 Warrington Seale IWRC [SDSFIE V1.4]
6_27H_FLAT_FC	6x27H flattened strand FC [SDSFIE V1.4]
6_3_19_SPRING	6x3x19 spring lay [SDSFIE V1.4]
6_30_HAWSER	6x30 hawser [SDSFIE V1.4]
6_30G_FLAG_FC	6x30G flattened strand FC [SDSFIE V1.4]
6_31_FILL_IWRC	6x31 filler wire IWRC [SDSFIE V1.4]
6_31_WARR_IWRC	6x31 Warrington Seale IWRC [SDSFIE V1.4]
6_36_SEALE_IWRC	6x36 Seale filler wire IWRC [SDSFIE V1.4]
6_36_WARR_IWRC	6x36 Warrington Seale IWRC [SDSFIE V1.4]

6_41_SEALE_IWRC	6x41 Seale filler wire IWRC [SDSFIE V1.4]
6_41_WARR_IWRC	6x41 Warrington Seale IWRC [SDSFIE V1.4]
6_42_TILLER_FC	6x42 tiller rope FC [SDSFIE V1.4]
6_46_SEALE_IWRC	6x46 Seale filler wire IWRC [SDSFIE V1.4]
6_49_FILL_FC	6x49 filler wire Seale FC [SDSFIE V1.4]
6_6_7_TILLER	6x6x7 tiller rope [SDSFIE V1.4]
6_7_FC	6x7 FC [SDSFIE V1.4]
8_19_SEALE_FC	8x19 Seale FC [SDSFIE V1.4]
8_25_FILLER_IWR	8x25 filler wire IWRC [SDSFIE V1.4]
8_9_SEALE_IWRC	8x9 Seale IWRC [SDSFIE V1.4]
BARE	bare [SDSFIE V1.4]
COAX	coaxial [SDSFIE V1.4]
DUPLEX	2-wire, dual conductor [SDSFIE V1.4]
EHS	Extra High Strength Steel [SDSFIE V1.4]
EIP	Extra Improved Plow Steel [SDSFIE V1.4]
FC	FiberCore [SDSFIE V1.4]
FE	Iron [SDSFIE V1.4]
FIBER_OPTICS	Fiber Optics Cable. [SDSFIE V2.3 Tinker Air Force Base]
HSS	High Strength Steel [SDSFIE V1.4]
IPS	Improved Plow Steel [SDSFIE V1.4]
IWRC	Independent Wire Rope Core [SDSFIE V1.4]
MPS	Mild Plow Steel [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PORTAL	Portal. [SDSFIE V2.31 Air Force]
PRIMARY	primary [SDSFIE V1.4]
PS	Plow Steel [SDSFIE V1.4]
RECEIVE	Receive. [SDSFIE V2.31 Air Force]
REMOTE	Remote. [SDSFIE V2.31 Air Force]
SECONDARY	secondary [SDSFIE V1.4]
SENSOR	Sensor. [SDSFIE V2.31 Air Force]
SOLIDCORE	solid core [SDSFIE V1.4]
SOLIDCORETB	solid core-twisted bundle around [SDSFIE V1.4]
SOLIDCORETS	solid core-twisted strand around [SDSFIE V1.4]
SOLIDIELEC	solid dielectric [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TRANSMIT	Transmit. [SDSFIE V2.31 Air Force]
TRIPLEX	triplex [SDSFIE V1.4]
TS	twisted strands [SDSFIE V1.4]
TSCORE	twisted strands core [SDSFIE V1.4]
TWINAX	Twin Coaxial Cable [SDSFIE V2.31]
TWISTED_PAIR	Twisted Pair Cable. [SDSFIE V2.3 Tinker Air Force Base]
UNKNOWN	Unknown [SDSFIE V2.31 ATT]
WAVEGUIDE	Waveguide [SDSFIE V2.31 ATT]
WEATHRPROFCU	weatherproofed-Copper [SDSFIE V1.4]
WSC	Wire-Strand Core [SDSFIE V1.4]

CodeCableUse

Used by Attributes: Coaxial Line - Cab Use;Fiberoptic Line - Cab Use;Other Cable - Cab Use;Segmented Cable Point - Cab Use;Twisted Pair Line - Cab Use;Waveguide Line - Cab Use

Value	Definition (Notes) [Source]
OTHER	other cable [SDSFIE V2]
TBD	to be determined [SDSFIE V2]
TELEGRAPH	Telegraph [SDSFIE V2.2]
TELEPHONE	telephone cable [SDSFIE V2]
TELEVISION	television cable [SDSFIE V2]
UNKNOWN	unknown use [SDSFIE V2]

CodeCableWayType

Used by Attributes: Cable Tray Line - Caw Type

Value	Definition (Notes) [Source]
BRIDGE	Cable Bridge [SDSFIE V2 Tinker Air Force Base]

RACK	Cable Rack [SDSFIE V2]
TRAY	Cable Tray [SDSFIE V2 Tinker Air Force Base]

CodeColor

Used by Attributes: Disposal Tank - Color;Septic Tank - Color;Tank - Color;Tank - Color;Tank - Color;Tank - Color;Tank - Color;Tank Area - Color;Telephone - Color;Line - Map Color

Value	Definition (Notes) [Source]
AMBER	Amber [U.S. CADD]
BLACK	Black [U.S. CADD]
BLUE	Blue [U.S. CADD]
BROWN	Brown [U.S. CADD]
GREEN	Green [U.S. CADD]
GREEN-GREEN	Bidirectional (Source AC 150/5345-46C)
GREEN-RED	Bidirectional (Source AC 150/5345-46C)
GREEN-YELLOW	Bidirectional (Source AC 150/5345-46C)
GREY	Grey [U.S. CADD]
LIGHTGREY	LightGrey [U.S. CADD]
MAGENTA	Magenta [U.S. CADD]
ORANGE	Orange [U.S. CADD]
OTHER	Other [U.S. CADD]
PINK	Pink [U.S. CADD]
PURPLE	Purple [AIXM]
RED	Red [U.S. CADD]
RED-GREEN	Bidirectional (Source AC 150/5345-46C)
RED-RED	Bidirectional (Source AC 150/5345-46C)
TBD	To be determined
VIOLET	Violet [U.S. CADD]
WHITE	White [U.S. CADD]
WHITE-RED	Bidirectional (Source AC 150/5345-46C)
WHITE-WHITE	Bidirectional (Source AC 150/5345-46C)
WHITE-YELLOW	Bidirectional (Source AC 150/5345-46C)
YELLOW	Yellow [U.S. CADD]
YELLOW-GREEN	Bidirectional (Source AC 150/5345-46C)
YELLOW-RED	Bidirectional (Source AC 150/5345-46C)
YELLOW-YELLOW	Bidirectional (Source AC 150/5345-46C)

CodeCommAntenna

Used by Attributes: Access Point - Ant Type;Antenna Site - Ant Type

Value	Definition (Notes) [Source]
DIPOLE	dipole antenna [SDSFIE V2 Tinker Air Force Base]
FIELD	field antenna [SDSFIE V2 Tinker Air Force Base]
PARABOLIC	parabolic antenna [SDSFIE V2 Tinker Air Force Base]
PATCH	Directional Patch Antenna. [SDSFIE V2.5 AIR FORCE]
YAGI	Directional Yagi Antenna. [SDSFIE V2.5 AIR FORCE]

CodeCommAntennaUsageType

Used by Attributes: Antenna Site - Ant Use;Equipment - Ant Use

Value	Definition (Notes) [Source]
14_DF	14 element dual frequency. [SDSFIE V2.31 Air Force]
14_SF	14 element single frequency. [SDSFIE V2.31 Air Force]
8_DF	8 element dual frequency. [SDSFIE V2.31 Air Force]
8_SF	8 element single frequency. [SDSFIE V2.31 Air Force]
CAPTURE	Capture. [SDSFIE V2.31 Air Force]
NULL	Null. [SDSFIE V2.31 Air Force]
RANTEC	Rantec. [SDSFIE V2.31 Air Force]
ROTATING	Rotating. [SDSFIE V2.31 Air Force]
SIDEBAND	Sideband. [SDSFIE V2.31 Air Force]

CodeCommNodeType

Used by Attributes: Path Node Site - Node Type

Value	Definition (Notes) [Source]
DBGROUP	Virtual Ductbank Group (not drawn). [SDSFIE V2.5 AIR FORCE]
DUCT_OPENING	Duct or Inner duct Opening. [SDSFIE V2.5 AIR FORCE]
DUCT2DIRECT	Duct to/from a Direct-Buried Path. [SDSFIE V2.5 AIR FORCE]
GENERAL	General Transition (i.e. PVC to PE duct). [SDSFIE V2.5 AIR FORCE]
HOLE	Vault Vertical Hole. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
RISER	Vertical pipe or covering. [SDSFIE V2.5 AIR FORCE]

CodeCompAirFitting

Used by Attributes: Fitting - Fittyp

Value	Definition (Notes) [Source]
CAP	Pipe Cap [SDSFIE V1.75]
CROSS	Pipe Cross [SDSFIE V1.75]
FLANGE	Pipe Flange [SDSFIE V1.75]
TEE	Pipe Tee [SDSFIE V1.75]

CodeConnectSize

Used by Attributes: Hydrant – Connection Size

Value	Definition (Notes) [Source]
1X4.5IN_BC_PLUS_2X2.5IN_NST	1 x 4.5” Baltimore City + 2 x 2.5” NST
2X2.5IN_NST	2 x 2.5” NST
1X5IN_STORZ_PLUS_2x2.5IN_NST	1 x 5” Storz + 2 x 2.5” NST
OTHER	Other
UNKNOWN	Unknown

CodeCoreType

Used by Attributes: Segmented Cable Point - Core Type;Twisted Pair Line - Core Type

Value	Definition (Notes) [Source]
AIR_CORE	Air core [SDSFIE V2 Tinker Air Force Base]
FILLED	Filled Core by unknown substance. [SDSFIE V2.5 AIR FORCE]
INSULATION	Insulation core [SDSFIE V2 Tinker Air Force Base]
PAPER	Paper Core [SDSFIE V2 Tinker Air Force Base]
PRESSURIZED	Pressurized core [SDSFIE V2 Tinker Air Force Base]

CodeCountsInAssembly

Used by Attributes: Load Capacitor - Ldcnum;Load Coil - Ldcnum

Value	Definition (Notes) [Source]
0001	1. [SDSFIE V2.5 AIR FORCE]
0002	2. [SDSFIE V2.5 AIR FORCE]
0003	3. [SDSFIE V2.5 AIR FORCE]
0004	4. [SDSFIE V2.5 AIR FORCE]
0005	5. [SDSFIE V2.5 AIR FORCE]
0006	6. [SDSFIE V2.5 AIR FORCE]
0010	10. [SDSFIE V2.5 AIR FORCE]
0011	11. [SDSFIE V2.5 AIR FORCE]
0012	12. [SDSFIE V2.5 AIR FORCE]
0015	15. [SDSFIE V2.5 AIR FORCE]
0016	16. [SDSFIE V2.5 AIR FORCE]
0018	18. [SDSFIE V2.5 AIR FORCE]
0020	20. [SDSFIE V2.5 AIR FORCE]
0024	24. [SDSFIE V2.5 AIR FORCE]

0025	25. [SDSFIE V2.5 AIR FORCE]
0050	50. [SDSFIE V2.5 AIR FORCE]
0100	100. [SDSFIE V2.5 AIR FORCE]
0200	200. [SDSFIE V2.5 AIR FORCE]
0300	300. [SDSFIE V2.5 AIR FORCE]
0400	400. [SDSFIE V2.5 AIR FORCE]
0600	600. [SDSFIE V2.5 AIR FORCE]
0900	900. [SDSFIE V2.5 AIR FORCE]
1200	1200. [SDSFIE V2.5 AIR FORCE]
1500	1500. [SDSFIE V2.5 AIR FORCE]
1800	1800. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeCryptographyProtocol

Used by Attributes: Access Point - Enc Prot

Value	Definition (Notes) [Source]
3DES	Triple DES encryption (will be replaced by AES). [SDSFIE V2.3 Tinker Air Force Base]
A_NEEDH_SCHR_SK	Amended Needham Schroeder Symmetric Key. [SDSFIE V2.5 AIR FORCE]
AES	Advanced Encryption Standard, a Type I capable encryption module. [SDSFIE V2.3 Tinker Air Force Base]
AS_RPC	Andrew Secure RPC. [SDSFIE V2.5 AIR FORCE]
BAN_CON_AS_RPC	BAN concrete Andrew Secure RPC. [SDSFIE V2.5 AIR FORCE]
BAN_MOD_AS_RPC	BAN modified Andrew Secure RPC. [SDSFIE V2.5 AIR FORCE]
BAN_MOD_CCITT_3	BAN modified version of CCITT X.509 (3). [SDSFIE V2.5 AIR FORCE]
BAN_YAHALOM	BAN simplified version of Yahalom. [SDSFIE V2.5 AIR FORCE]
CAM	CAM. [SDSFIE V2.5 AIR FORCE]
CCITT_X_509_1	CCITT X.509 (1). [SDSFIE V2.5 AIR FORCE]
CCITT_X_509_1C	CCITT X.509 (1c). [SDSFIE V2.5 AIR FORCE]
CCITT_X_509_3	CCITT X.509 (3). [SDSFIE V2.5 AIR FORCE]
CJ_HC_SPLICE_AS	Clark and Jacob modified Hwang and Chen modified Splice/As. [SDSFIE V2.5 AIR FORCE]
DENNING_SACCO_SK	Denning-Sacco shared key. [SDSFIE V2.5 AIR FORCE]
DES	Digital Encryption Standard [SDSFIE V2.3 Tinker Air Force Base]
DES-OFB	Digital Encryption Standard - Output Feedback [SDSFIE V2.3 Tinker Air Force Base]
DIFFIE_HELMAN	Diffie Helman. [SDSFIE V2.5 AIR FORCE]
DNSSEC	Domain Name Server Security. [SDSFIE V2.5 AIR FORCE]
DSS	DSS. [SDSFIE V2.5 AIR FORCE]
FASCINATOR	Fascinator is a series of Type I capable encryption module. [SDSFIE V2.31 Tinker Air Force Base]
GJM	GJM. [SDSFIE V2.5 AIR FORCE]
GNUPG_PGP	GnuPG/PGP. [SDSFIE V2.5 AIR FORCE]
GONG	Gong. [SDSFIE V2.5 AIR FORCE]
GSSAPI	Generic Security Services API. [SDSFIE V2.5 AIR FORCE]
HC_SPLICE_AS	Hwang and Chen modified Splice/As. [SDSFIE V2.5 AIR FORCE]
HWANG_NEUM_STUB	Hwang modified version of Neumann Stubblebine. [SDSFIE V2.5 AIR FORCE]
IDEA	IDEA. [SDSFIE V2.5 AIR FORCE]
IEEE_P1363	IEEE P1364. [SDSFIE V2.5 AIR FORCE]
IPSEC	IP Secure Protocol. [SDSFIE V2.5 AIR FORCE]
KAO_CHOW_AUTH_1	Kao Chow Authentication v.1. [SDSFIE V2.5 AIR FORCE]
KAO_CHOW_AUTH_2	Kao Chow Authentication v.2. [SDSFIE V2.5 AIR FORCE]
KAO_CHOW_AUTH_3	Kao Chow Authentication v.3. [SDSFIE V2.5 AIR FORCE]
KERBEROS_V5	Kerberos V6. [SDSFIE V2.5 AIR FORCE]
KSL	KSL. [SDSFIE V2.5 AIR FORCE]
L_BAN_CON_AS_RPC	Lowe modified BAN concrete Andrew Secure RPC. [SDSFIE V2.5 AIR FORCE]
L_DENNING_SAC_DK	Lowe modified Denning-Sacco shared key. [SDSFIE V2.5 AIR FORCE]
L_NEEDH_SCHR_PK	Lowes fixed version of Needham-Schroder Public Key. [SDSFIE V2.5 AIR FORCE]
LOWE_MOD_KSL	Lowe modified KSL. [SDSFIE V2.5 AIR FORCE]
LOWE_WMF	Lowe modified Wide Mouthed Frog. [SDSFIE V2.5 AIR FORCE]
LOWES_YAHALOM	Lowes modified version of Yahalom. [SDSFIE V2.5 AIR FORCE]
MARS	MARS. [SDSFIE V2.5 AIR FORCE]
NEEDHAM_SCHR_PK	Needham-Schroeder Public Key. [SDSFIE V2.5 AIR FORCE]
NEEDHAM_SCHR_SK	Needham Schroeder Symmetric Key. [SDSFIE V2.5 AIR FORCE]
NEUMANN_STUBBLE	Neumann Stubblebine. [SDSFIE V2.5 AIR FORCE]
OPENPGP	OpenPGP. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]

OTWAY_REES	Otway Rees. [SDSFIE V2.5 AIR FORCE]
PAULSONS_YAHALOM	Paulsons strengthened version of Yahalom. [SDSFIE V2.5 AIR FORCE]
PKCS	Public Key Encryption Standards. [SDSFIE V2.5 AIR FORCE]
RC4	RC5. [SDSFIE V2.5 AIR FORCE]
ROT	ROT. [SDSFIE V2.5 AIR FORCE]
RSA	RSA. [SDSFIE V2.5 AIR FORCE]
SEAL	SEAL. [SDSFIE V2.5 AIR FORCE]
SERPENT	Serpent. [SDSFIE V2.5 AIR FORCE]
SHTTP	Secure Hypertext Transfer Protocol. [SDSFIE V2.5 AIR FORCE]
SK3	SK3. [SDSFIE V2.5 AIR FORCE]
SMARTRIGHT_VO	SmartRight view-only. [SDSFIE V2.5 AIR FORCE]
SOBER	SOBER. [SDSFIE V2.5 AIR FORCE]
SPLIC_AS	SPLICE/AS. [SDSFIE V2.5 AIR FORCE]
SSH1	Secure Shell v2. [SDSFIE V2.5 AIR FORCE]
SSH2	Secure Shell v3. [SDSFIE V2.5 AIR FORCE]
SSL	Secure Socket Layer. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
TLS	TLS. [SDSFIE V2.5 AIR FORCE]
TMN	TMN. [SDSFIE V2.5 AIR FORCE]
TWOFISH	Twofish. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
WAKE	WAKE. [SDSFIE V2.5 AIR FORCE]
WEP	Wired Equivalent Privacy. [SDSFIE V2.5 AIR FORCE]
WMF	Wide Mouthed Frog. [SDSFIE V2.5 AIR FORCE]
WOO_AND_LAM_P_3	Woo and Lam Pi 3. [SDSFIE V2.5 AIR FORCE]
WOO_AND_LAM_PI	Woo and Lam Pi. [SDSFIE V2.5 AIR FORCE]
WOO_AND_LAM_PI_1	Woo and Lam Pi 1. [SDSFIE V2.5 AIR FORCE]
WOO_AND_LAM_PI_2	Woo and Lam Pi 2. [SDSFIE V2.5 AIR FORCE]
WOO_LAM_MA	Woo and Lam Mutual Authentication. [SDSFIE V2.5 AIR FORCE]
WOO_LAM_PI_F	Woo and Lam Pi f. [SDSFIE V2.5 AIR FORCE]
WPA	Wi-Fi Protected Access. [SDSFIE V2.5 AIR FORCE]
XOR	XOR. [SDSFIE V2.5 AIR FORCE]
YAHALOM	Yahalom. [SDSFIE V2.5 AIR FORCE]

CodeCulvert

Used by Attributes: Culvert Center Line - Gate Type

Value	Definition (Notes) [Source]
GATED	The culvert is equipped with gates to block or divert water flow. [SDSFIE V1.8 REEGIS]
NONGATED	The culvert contains no provision to block or divert water flow. [SDSFIE V1.8 REEGIS]

CodeCulvertScreenType

Used by Attributes: Line - Screen Type;Line - Scrn Type;Storm Trench Drain Line - scrnType

Value	Definition (Notes) [Source]
HORZBAR	horizontal bar/pipe [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VERTBAR	vertical bar/pipe [SDSFIE V1.4]

CodeDataSource

Used by Attributes: Access Coverage Area - collectionProgress;Access Point - collectionProgress;Air Pipe - collectionProgress;Air Pressure Device - collectionProgress;Amplifier - collectionProgress;Anchor - collectionProgress;Anode - collectionProgress;Anode - collectionProgress;Anode - collectionProgress;Anode Test Station - collectionProgress;Anode Test Station - collectionProgress;Anode Test Station - collectionProgress;Antenna Line - collectionProgress;Antenna Site - collectionProgress;Attenuator - collectionProgress;Bus Line - collectionProgress;Cable - collectionProgress;Cable Bridge Line - collectionProgress;Cable Ladder - collectionProgress;Cable Rack Line - collectionProgress;Cable Tray Line - collectionProgress;Cable Trough Line - collectionProgress;Capacitor - collectionProgress;Coaxial Line - collectionProgress;DbSplice - collectionProgress;Device - collectionProgress;Device - collectionProgress;Discharge Point - collectionProgress;Drain Separator - collectionProgress;Ductbank - collectionProgress;Ductbank - collectionProgress;Equipment

- collectionProgress;Fiberoptic Line - collectionProgress;Fill Point - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Generator - collectionProgress;Grit Chamber - collectionProgress;Ground Point - collectionProgress;Ground Point - collectionProgress;Groundplane Area - collectionProgress;Groundwave Area - collectionProgress;Head Bolt Outlet - collectionProgress;Headwall - collectionProgress;Headwall Line - collectionProgress;Impedance Matching Point - collectionProgress;Inlet - collectionProgress;Internet Center - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Lagoon - collectionProgress;Light - collectionProgress;Line - collectionProgress;Line Of Sight Line - collectionProgress;Load Capacitor - collectionProgress;Load Coil - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Media Converter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Motor - collectionProgress;Multihop Area - collectionProgress;Network Systems Site - collectionProgress;Neutralizer - collectionProgress;Oil Water Separator - collectionProgress;Other Cable - collectionProgress;Path Node Site - collectionProgress;Path Segment Line - collectionProgress;Pedestal - collectionProgress;Pedestal Site - collectionProgress;Pipe Line - collectionProgress;Pullbox Site - collectionProgress;Pump - collectionProgress;Pump - collectionProgress;Pump - collectionProgress;Pump Station - collectionProgress;Pumpstation Ejector - collectionProgress;Radar Site - collectionProgress;Radio - collectionProgress;Radio Receiver - collectionProgress;Radio Transmitter - collectionProgress;Rect Point - collectionProgress;Rectifier - collectionProgress;Rectifier - collectionProgress;Reducer - collectionProgress;Refinery Site - collectionProgress;Regulator - collectionProgress;Regulator - collectionProgress;Relay Station - collectionProgress;Repeater - collectionProgress;Riser - collectionProgress;Riser - collectionProgress;Satellite - collectionProgress;Segmented Cable - collectionProgress;Segmented Cable Point - collectionProgress;Sensor - collectionProgress;Service Loop Point - collectionProgress;Source - collectionProgress;Speaker - collectionProgress;Splice - collectionProgress;Splice - collectionProgress;Splitter - collectionProgress;Storage Area - collectionProgress;Substation - collectionProgress;Switch - collectionProgress;Tank - collectionProgress;Tank Area - collectionProgress;Telephone - collectionProgress;Telephone Booth - collectionProgress;Terminal - collectionProgress;Terminator - collectionProgress;Transformer Vault - collectionProgress;Transformr Bank - collectionProgress;Transmission Pipeline - collectionProgress;Transmission Pipeline Segment Line - collectionProgress;Treatment Plant - collectionProgress;Twisted Pair Line - collectionProgress;Utility Electric Utility Site - collectionProgress;Utility Pole Guy - collectionProgress;Utility Pole Guy Line - collectionProgress;Utility Pole Tower Site - collectionProgress;Valve - collectionProgress;Valve - collectionProgress;Valve - collectionProgress;Valve Pit - collectionProgress;Vertical Site - collectionProgress;Video Site - collectionProgress;Voice Switch - collectionProgress;Waveguide Line - collectionProgress

Value	Definition (Notes) [Source]
AERIAL	2005/2007 Aerial Photography
CAD	Georeferenced CAD File/Scan
CAD_ASBUILT	CAD As-Built
CAD_DIGITAL	CAD Digital
CAD_PAPER	CAD Paper
CNTRLIMG	Controlled Image
COGO	COGO
CONSTRSURVEY	Construction Survey
CONVSURVEY	Conventional Survey
DIG_RTK	Dig Survey - RTK
DIGITAL_OTHER	Digital File (Other)
FIELD	Field Observatin
FIELDMEASURE	Field Measurement
GIS_DIGITAL	GIS Digital
GIS_PAPER	GIS Paper
GPS_COM	Commercial GPS
GPS_MAP	Mapping GPS
GPS_RTK	Trimble R8/5800 Receiver and TSC2 Data Collector
LEGACY	Existed in Legacy Database
LEGAL	Legal Description
NA	NA
NO_ACCESS	Cannot Access Feature
ORTHOGT6	Ortho (Greater than 6 Inch GSD)
ORTHOLT6	Ortho (Less than 6 Inch GSD)
OTHER	Other
PARSONS	Parsons Data
PLAT	Plat
RECOLLECTION	Personal Recollection
ROD_LEVEL	Laser Rangefinder and Survey Rod & Level
TOWSON	Towson Data
UNCNTRLIMG	Uncontrolled Image
UNKNOWN	Unknown

WRITTEN	Written Description

CodeDiameterMeasureType

Used by Attributes: Hydrant - Meas Type;Fire Connection Point - Measurement Type

Value	Definition (Notes) [Source]
INSIDE	inside diameter [SDSFIE V1.4]
NOMINAL	nominal or average diameter [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
OUTSIDE	outside diameter [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeDirectionality

Used by Attributes: Air Pipe - Directionality;Antenna Line - Directionality;Bus Line - Directionality;Cable - Directionality;Cable - Directionality;Cable Bridge Line - Directionality;Cable Rack Line - Directionality;Cable Tray Line - Directionality;Cable Trough Line - Directionality;Coaxial Line - Directionality;Culvert Center Line - Directionality;Drainage Divide - Directionality;Drainage Divide Line - Directionality;Ductbank - Directionality;Ductbank - Directionality;Ductbank - Directionality;Fiberoptic Line - Directionality;Headwall Line - Directionality;Headwall Line - Directionality;Intake Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line - Directionality;Line Of Sight Line - Directionality;Open Drainage Line - Directionality;Other Cable - Directionality;Path Segment Line - Directionality;Pipe Line - Directionality;Segmented Cable - Directionality;Storm Trench Drain Line - Directionality;Transmission Pipeline - Directionality;Transmission Pipeline Segment Line - Directionality;Twisted Pair Line - Directionality;Utility Pole Guy Line - Directionality;Waveguide Line - Directionality

Value	Definition (Notes) [Source]
BI	Bidirectional
ES	One way from end-to-startpoint
SE	One way from start-to-endpoint

CodeDisplayType

Used by Attributes: Marker - meterType;Device - Readout;Device - Readout

Value	Definition (Notes) [Source]
ANALOG	analog (dial) display [SDSFIE V1.4]
DIGITAL	digital display [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeDispositionObject

Used by Attributes: Access Coverage Area - Disposition;Access Point - Disposition;Air Eliminator - Disposition;Air Pipe - Disposition;Air Pressure Device - Disposition;Amplifier - Disposition;Anchor - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Antenna Line - Disposition;Antenna Site - Disposition;Attenuator - Disposition;Bus Line - Disposition;Cable - Disposition;Cable - Disposition;Cable Bridge Line - Disposition;Cable Ladder - Disposition;Cable Rack Line - Disposition;Cable Tray Line - Disposition;Cable Trough Line - Disposition;Capacitor - Disposition;Coaxial Line - Disposition;Culvert Center Line - Disposition;Culvert End - Disposition;DbSplice - Disposition;Device - Disposition;Device - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Disposal Tank - Disposition;Downspout - Disposition;Downspout - Disposition;Drain Field - Disposition;Drain Separator - Disposition;Drainage Basin - Disposition;Drainage Basin - Disposition;Drainage Divide - Disposition;Drainage Divide Line - Disposition;Drinking Water Sample Point -

Disposition;Ductbank - Disposition;Ductbank - Disposition;Ductbank - Disposition;Equipment - Disposition;Farm Site - Disposition;Fiberoptic Line - Disposition;Fill Point - Disposition;Filter Strainer - Disposition;Filtration Bed - Disposition;Fire Connection Point - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Flow Control Device - Disposition;Flow Control Device - Disposition;Gate - Disposition;Generator - Disposition;Glycol Recovery Pit - Disposition;Grease Trap - Disposition;Grit Chamber - Disposition;Grit Chamber - Disposition;Ground Point - Disposition;Ground Point - Disposition;Groundplane Area - Disposition;Groundwave Area - Disposition;Head Bolt Outlet - Disposition;Headwall - Disposition;Headwall - Disposition;Headwall Line - Disposition;Headwall Line - Disposition;Hydrant - Disposition;Hydrant - Disposition;Impedance Matching Point - Disposition;Inlet - Disposition;Inlet - Disposition;Inlet - Disposition;Inlet - Disposition;Intake - Disposition;Intake Line - Disposition;Internet Center - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Lagoon - Disposition;Lagoon - Disposition;Lift Station - Disposition;Light - Disposition;Light - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line Clean Out - Disposition;Line Of Sight Line - Disposition;Load Capacitor - Disposition;Load Coil - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Media Converter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Motor - Disposition;Multihop Area - Disposition;Network Systems Site - Disposition;Neutralizer - Disposition;Neutralizer - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator Diversion Vault - disposition;Open Drainage Area - Disposition;Open Drainage Line - Disposition;Other Cable - Disposition;Path Node Site - Disposition;Path Segment Line - Disposition;Pedestal - Disposition;Pedestal Site - Disposition;Pig Launch Point - Disposition;Pipe Line - Disposition;Plant Area - Disposition;Pressure Reducing Station - Disposition;Pullbox Site - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump Booster Station - Disposition;Pump Ejector Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pumpstation Ejector - Disposition;Radar Site - Disposition;Radio - Disposition;Radio Receiver - Disposition;Radio Transmitter - Disposition;Rect Point - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Reducer - Disposition;Refinery Site - Disposition;Regulator - Disposition;Regulator - Disposition;Regulator Reducer - Disposition;Regulator Reducer - Disposition;Relay Station - Disposition;Repeater - Disposition;Reservoir - Disposition;Reservoir - Disposition;Reservoir - Disposition;Riser - Disposition;Riser - Disposition;Satellite - Disposition;Segmented Cable - Disposition;Segmented Cable Point - Disposition;Sensor - Disposition;Septic Tank - Disposition;Service Area - Disposition;Service Loop Point - Disposition;Sludge Bed - Disposition;Source - Disposition;Source - Disposition;Source Site - Disposition;Speaker - Disposition;Splice - Disposition;Splice - Disposition;Splitter - Disposition;Stilling Basin - Disposition;Storage Area - Disposition;Storm Ceptor - disposition;Storm Filter - disposition;Storm Trench Drain Line - disposition;Substation - Disposition;Switch - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank Area - disposition;Telephone - Disposition;Telephone Booth - Disposition;Terminal - Disposition;Terminator - Disposition;Transformer Vault - Disposition;Transformr Bank - Disposition;Transmission Pipeline - Disposition;Transmission Pipeline Segment Line - Disposition;Treatment Plant - Disposition;Treatment Plant - Disposition;Treatment Plant - Disposition;Treatment Unit - Disposition;Treatment Unit - Disposition;Twisted Pair Line - Disposition;Utility Electric Utility Site - Disposition;Utility Pole Guy - Disposition;Utility Pole Guy Line - Disposition;Utility Pole Tower Site - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve Pit - Disposition;Vault - Disposition;Vault - Disposition;Vault - disposition;Vent - Disposition;Vertical Site - Disposition;Video Site - Disposition;Voice Switch - Disposition;Waveguide Line - Disposition

Value	Definition (Notes) [Source]
ABANDONED	abandoned in place (not in use) [SDSFIE V1.4]
IN_SERVICE	In service and being used. [SDSFIE V2.1 DOT - NPMS]
IN_SERVICE_REPAIRS	In service but requires maintenance
INCOMPLETE	incomplete or unfinished [SDSFIE V1.4]
OUT_OF_SERVICE	Out of service
OTHER	other [SDSFIE V1.4]
PROPOSED	proposed [SDSFIE V1.4]
SERV_NOT_USED	Servicable Not Used
TBD	to be determined [SDSFIE V1.4]
TEMPORARY	temporary [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
UNSERVICEABLE	Unservicable
BURIED	Burried
NATURAL	Natural
PERMANENT	Permanent

RETIRED	Retired
REMOVED	Removed

CodeDistallateProductioType

Used by Attributes: Refinery Site - Distillate Type

Value	Definition (Notes) [Source]
ASPHALT	Asphalt Production. [SDSFIE V2.3 HSIP]
CO2	CO2 Production. [SDSFIE V2.3 HSIP]
DISTALLATES	Distallates Production. [SDSFIE V2.3 HSIP]
H2	H2 Production. [SDSFIE V2.3 HSIP]
HE	He Production. [SDSFIE V2.3 HSIP]
S	S Production. [SDSFIE V2.3 HSIP]

CodeDrainageDensity

Used by Attributes: Grease Trap - Drainage Texture;Line - Drainage Texture;Line - Drainage Texture;Line - Drainage Texture;Line - Drainage Texture;Septic Tank - Drainage Texture;Storm Trench Drain Line - drainageTexture;Culvert Center Line - Material Texture

Value	Definition (Notes) [Source]
COARSE	coarse [SDSFIE V1.4]
FINE	fine [SDSFIE V1.4]
MEDIUM	medium [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeDrainagePattern

Used by Attributes: Culvert Center Line - Drainage Pattern;Grease Trap - Drainage Pattern;Line - Drainage Pattern;Line - Drainage Pattern;Line - Drainage Pattern;Line - Drainage Pattern;Septic Tank - Drainage Pattern;Storm Trench Drain Line - drainagePattern

Value	Definition (Notes) [Source]
ANGULATE	Angulate. [SDSFIE V1.4]
ANNULAR	Annular. [SDSFIE V1.4]
ARTIFICIAL	Artificial. [SDSFIE V1.4]
BARBED	Barbed. [SDSFIE V1.4]
BRAIDED	Braided. [SDSFIE V1.4]
CENTRIPETAL	Centripetal. [SDSFIE V1.4]
COMPLEX	Complex. [SDSFIE V1.4]
COMPOUND	Compound. [SDSFIE V1.4]
CONTORTED	Contorted. [SDSFIE V1.4]
DENDRITANAST	Dendritic Anastomotic. [SDSFIE V1.4]
DENDRITDISTR	Dendritic Distributary (dichotomic). [SDSFIE V1.4]
DENDRITPINNT	Dendritic Pinnate. [SDSFIE V1.4]
DENDRITSUBDN	Dendritic Subdendritic. [SDSFIE V1.4]
DERANGED	Deranged. [SDSFIE V1.4]
INTERNAL	Internal. [SDSFIE V1.4]
MULTIBSKARST	Multibasinal Karst. [SDSFIE V1.4]
MULTIBSTHERM	Multibasinal Thermokarst. [SDSFIE V1.4]
MULTIELNGBAY	Multibasinal Elongate Bay. [SDSFIE V1.4]
MULTIGLACLDS	Multibasinal Glacially Disturbed. [SDSFIE V1.4]
NODEVLSYSTEM	No developed system. [SDSFIE V1.4]
OTHER	Other. [SDSFIE V1.4]
PALIMPSEST	Palimpsest. [SDSFIE V1.4]
PARLLCOLINER	Parallel Collinear. [SDSFIE V1.4]
PARLLSUBPARL	Parallel Subparallel. [SDSFIE V1.4]

PINNATE	Pinnate. [SDSFIE V1.4]
RADILCENTRIP	Radial Centripetal. [SDSFIE V1.4]
RECTANGLARAN	Rectangular Angulate. [SDSFIE V1.4]
TBD	To be determined. [SDSFIE V1.4]
TRELISUBTREL	Trellis Subtrellis. [SDSFIE V1.4]
TRELSDIRECTN	Trellis Directional. [SDSFIE V1.4]
TRELSFAULT	Trellis Fault. [SDSFIE V1.4]
TRELSJOINT	Trellis Joint. [SDSFIE V1.4]
TRELSRECURVE	Trellis Recurved. [SDSFIE V1.4]
UNKNOWN	Unknown. [SDSFIE V1.4]

CodeDrainageZone

Used by Attributes: Culvert Center Line - Drainage Zone;Line - Drainage Zone;Line - Drainage Zone;Open Drainage Line - Drainage Zone;Storm Trench Drain Line - drainageZone;Open Drainage Line - Fld Zon

Value	Definition (Notes) [Source]
MERLIN	Merlin Drainage District [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
ZONE_1	zone 1 [SDSFIE V1.4]

CodeDrainType

Used by Attributes: Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Junction - Drain Type;Neutralizer - Drain Type;Neutralizer - Drain Type;Vault - drainType

Value	Definition (Notes) [Source]
FAN	fan [SDSFIE V1.4]
NETWORK	network [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SEALED	sealed [SDSFIE V1.4]
SEEPAGEPIT	seepage pit [SDSFIE V1.4]
STORMCONNECT	connected to storm system [SDSFIE V1.4]
SUBDRAIN	sub drain (French drain) [SDSFIE V1.4]
SUMPPUMP	sump pump [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TILEFIELD	tile field [SDSFIE V1.4]

CodeDrinkingWaterSamLoc

Used by Attributes: Drinking Water Sample Point - Dwslocty

Value	Definition (Notes) [Source]
DISTRIBUTION_SYS	Distribution System [SDSFIE V2 Mississippi Dept. of Health]
PLANT_TREATED	Finished water from a water treatment plant. [SDSFIE V2 Mississippi Dept. of Health]
SOURCE_RAW	Raw water from the water source (i.e., well or surface water) prior to treatment. [SDSFIE V2 Mississippi Dept. of Health]
WELL	Chlorinated well water. [SDSFIE V2 Mississippi Dept. of Health]

CodeEcmDevice

Used by Attributes: Device - Dev Type

Value	Definition (Notes) [Source]
FIELD_INTERFC	field interface [SDSFIE V1.8]
MULTIPLEX	multiplexer [SDSFIE V1.8]

Emergency Generator Panel	Emergency Generator Panel

CodeElectricBus

Used by Attributes: Bus Line - Bus Mat

Value	Definition (Notes) [Source]
ALUMINUM	aluminum metal [SDSFIE V1.4]
COPPER	copper metal [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricCable

Used by Attributes: Cable - Cable Material;Cable - Cable Type;Cable - Cbl Material;Coaxial Line - Cbl Material;Fiberoptic Line - Cbl Material;Other Cable - Cbl Material;Twisted Pair Line - Cbl Material;Utility Pole Guy - Cbl Material;Waveguide Line - Cbl Material;Sensor - Cbl Type;Cable - Install Type;Antenna Line - Material;Bus Line - Material;Pipe Line - Material;Segmented Cable - Material

Value	Definition (Notes) [Source]
ABANDONED	abandoned/inactive
AIRFIELD_UG	Underground Airfield Cable.
OTHER	Other
PRIMARY_OH	primary overhead
PRIMARY_UG	primary underground
PRIMARY_UG_DIRECT_BURIAL	Underground primary electrical cable installed direct burial (i.e., without conduit).
PRIMARY_UG_ENCASED	Underground primary electrical cable installed in conduit.
SECONDARY_OH	secondary overhead
SECONDARY_UG	secondary underground
SECONDARY_UG_DIRECT_BURIAL	Underground secondary electrical cable installed direct burial (i.e., without conduit).
SECONDARY_UG_ENCASED	Underground secondary electrical cable installed in conduit.
SENSOR	Sensor Type Cable.
SERVICE_OH	service overhead
SERVICE_UG	service underground
SERVICE_UG_DIRECT_BURIAL	Underground service electrical cable installed direct burial (i.e., without conduit).
SERVICE_UG_ENCASED	Underground service electrical cable installed in conduit.
UNKNOWN	Unknown

CodeElectricCableUse

Used by Attributes: Bus Line - Cbl Use

Value	Definition (Notes) [Source]
ABANDONED	abandoned/inactive cable [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PRIMARY_OH	primary overhead cable [SDSFIE V1.4]
PRIMARY_UG	primary underground cable [SDSFIE V1.4]
SECONDARY_OH	secondary overhead cable [SDSFIE V1.4]
SECONDARY_UG	secondary underground cable [SDSFIE V1.4]
SERVICE_OH	service, overhead cable [SDSFIE V1.4]
SERVICE_UG	service, underground cable [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricConfigType

Used by Attributes: Cable - Config Type

Value	Definition (Notes) [Source]
ARMLESS	The cable group is mounted in a cluster at the top of the pole. [SDSFIE V1.4]
CROSSARM_EQL	The individual line mounts in a cable group are equally spaced on a standard length crossarm. [SDSFIE V1.4]
CROSSARM_UNEQL	The individual line mounts in a cable group are not equally spaced on a standard crossarm. [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SHORTARM	The individual line in a cable group are mounted on a cross arm less than 24-inches long. [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VERTICAL	The individual line mounts in a cable group are vertically spaced down the pole. [SDSFIE V1.4]

CodeElectricControlType

Used by Attributes: Capacitor - Cntr Type;Equipment - Cntr Type

Value	Definition (Notes) [Source]
OTHER	other [SDSFIE V1.4]
PRIMARY	Primary. [SDSFIE V2.31 Air Force]
REMOTE	Remote. [SDSFIE V2.31 Air Force]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricDeviceUse

Used by Attributes: Regulator - Reg Use;Meter - Use

Value	Definition (Notes) [Source]
ACPOWERPANEL	ac power panel [SDSFIE V1.4]
ALARMPULLBOX	alarm pullbox [SDSFIE V1.4]
BATTERY	battery [SDSFIE V1.4]
CAPACITOR	capacitor [SDSFIE V1.4]
CIRCUITBREAK	circuit breaker [SDSFIE V1.4]
COMMERCIAL	commercial service [SDSFIE V1.4]
DCPOWERPANEL	dc power panel [SDSFIE V1.4]
DISTRIBFRAME	distribution frame [SDSFIE V1.4]
DISTRIBPANEL	distribution panel [SDSFIE V1.4]
ELEC_METER	electric meter [SDSFIE V1.4]
ELEC_MOTOR	electric motor [SDSFIE V1.4]
FIELDINTERFC	field interface [SDSFIE V1.4]
GENERATOR	generator [SDSFIE V1.4]
GROUND	ground [SDSFIE V1.4]
INTDISTRFRAM	intermediate distribution frame [SDSFIE V1.4]
JUNCTIONBOX	junction box [SDSFIE V1.4]
LIGHT	light [SDSFIE V1.4]
LOAD_POINT	load point [SDSFIE V1.4]
MAINDISTFRAM	main distribution frame [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PEDESTAL	pedestal [SDSFIE V1.4]
RECTIFIER	rectifier [SDSFIE V1.4]
RESIDENTIAL	residential service [SDSFIE V1.4]
SPLICE	splice [SDSFIE V1.4]
SWITCH	switch [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TRAFFICSIGNL	traffic signal [SDSFIE V1.4]
TRANSFORMER	transformer [SDSFIE V1.4]
TRFSIGCONBOX	traffic signal control box [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VOLTREGULATE	voltage regulator [SDSFIE V1.4]

CodeElectricKvar

Used by Attributes: Capacitor - Cpctr Kv;Transformr Bank - Kva 1;Transformr Bank - Kva 2

Value	Definition (Notes) [Source]
10	10 kvar [SDSFIE V1.4]
100	100 kvar [SDSFIE V1.4]
1000	1000 kvar [SDSFIE V1.4]
10000	10000 kvar [SDSFIE V1.4]
112.5	112.5 kvar [SDSFIE V1.7]
112_5	112.5 kvar [SDSFIE V1.4]
1250	1250 kvar [SDSFIE V1.4]
14K20K	14000 20000 kvar [SDSFIE V1.4]
15	15 kvar [SDSFIE V1.4]
150	150 kvar [SDSFIE V1.4]
1500	1500 kvar [SDSFIE V1.4]
167	167 kvar [SDSFIE V1.4]
16K22K	16000 22000 kvar [SDSFIE V1.4]
225	225 kvar [SDSFIE V1.4]
25	25 kvar [SDSFIE V1.4]
250	250 kvar [SDSFIE V1.4]
300	300 kvar [SDSFIE V1.4]
333	333 kvar [SDSFIE V1.4]
37.5	37.5 kvar [SDSFIE V1.7]
37_5	37.5 kvar [SDSFIE V1.4]
3750	3750 kvar [SDSFIE V1.4]
45	45 kvar [SDSFIE V1.4]
50	50 kvar [SDSFIE V1.4]
500	500 kvar [SDSFIE V1.4]
5000	5000 kvar [SDSFIE V1.4]
55	55 kvar [SDSFIE V1.4]
7.5	7.5 kvar [SDSFIE V1.7]
7_5	7.5 kvar [SDSFIE V1.4]
75	75 kvar [SDSFIE V1.4]
750	750 kvar [SDSFIE V1.4]
775	775 kvar [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricMotorEnclType

Used by Attributes: Rect Point - Encl Type;Rectifier - Encl Type;Rectifier - Encl Type;Rectifier - Encl Type;Rectifier - Encl Type;Rectifier - Enclosure Type;Motor - Enclty

Value	Definition (Notes) [Source]
AIR/AIR	totally enclosed, air-to-air cooled [SDSFIE V1.4]
AIR_OVER	totally enclosed, air-over [SDSFIE V1.4]
DUST_PROOF	totally enclosed, dust-ignition proof [SDSFIE V1.4]
ENCL_FAN	totally enclosed, fan cooled [SDSFIE V1.4]
ENCL_FANG	totally enclosed, fan cooled, guarded [SDSFIE V1.4]
ENCL_NON	totally enclosed, nonventilated [SDSFIE V1.4]
ENCL_WAC	totally enclosed, water/air cooled [SDSFIE V1.4]
ENCL_WATER	totally enclosed, water cooled [SDSFIE V1.4]
EXPL_PROOF	totally enclosed, explosion proof [SDSFIE V1.4]
OPEN	open [SDSFIE V1.4]
OPEN_DGUARD	open, drip-proof guarded [SDSFIE V1.4]
OPEN_DP	open, drip-proof [SDSFIE V1.4]
OPEN_EV	open, externally ventilated [SDSFIE V1.4]
OPEN_GUARD	open, guarded [SDSFIE V1.4]
OPEN_PVENT	open, pipe ventilated [SDSFIE V1.4]
OPEN_SG	open, semiguarded [SDSFIE V1.4]
OPEN_SP	open, splash-proof [SDSFIE V1.4]

OPEN_WEATI	open, weather protected - Type I [SDSFIE V1.4]
OPEN_WEATII	open, weather protected - Type II [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PIPE_VENT	totally enclosed, pipe ventilated [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WATER_PROOF	totally enclosed, water-proof [SDSFIE V1.4]

CodeElectricMotorInsulType

Used by Attributes: Motor - Insul Cl

Value	Definition (Notes) [Source]
A	IEEE Std 1, 60- 70 deg C. [SDSFIE V1.4]
B	IEEE Std 1, 80- 90 deg C. [SDSFIE V1.4]
F	IEEE Std 1, 105- 115 deg C. [SDSFIE V1.4]
H	IEEE Std 1, 125- 135 deg C. [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricMotorStartType

Used by Attributes: Motor - Start Type

Value	Definition (Notes) [Source]
AUTOTRN_STRT	autotransformer start [SDSFIE V1.4]
CAPCTR_RUN	capacitor run [SDSFIE V1.4]
CAPCTR_STRT	capacitor start [SDSFIE V1.4]
LINE_STRT	line start [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
REACTR_REDUV	reactor type, reduced voltage [SDSFIE V1.4]
RESIST_REDUV	resistor type, reduced voltage [SDSFIE V1.4]
SHADED_POLE	shaded pole [SDSFIE V1.4]
SOLDSTATSTRT	solid state start [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
Y_STRT_D_RUN	Y start delta run [SDSFIE V1.4]

CodeElectricPhase

Used by Attributes: Transformr Bank - Phase 1;Transformr Bank - Phase 2

Value	Definition (Notes) [Source]
A	1 [SDSFIE V1.9]
B	2 [SDSFIE V1.9]
C	3 [SDSFIE V1.9]

CodeElectricPhaseType

Used by Attributes: Cable - Phase Leter;Capacitor - Phase Leter;Generator - Phase Leter;Meter - Phase Leter;Motor - Phase Leter;Rect Point - Phase Leter;Rectifier - Phase Leter;Rectifier - Phase Leter;Rectifier - Phase Leter;Rectifier - Phase Leter;Regulator - Phase Leter;Switch - Phase Leter;Rectifier - Phase Letter

Value	Definition (Notes) [Source]
A	A phase [SDSFIE V1.4]
AB	AB phase [SDSFIE V1.4]
ABC	ABC phase [SDSFIE V1.4]

AC	AC phase [SDSFIE V1.4]
B	B phase [SDSFIE V1.4]
BC	BC phase [SDSFIE V1.4]
C	C phase [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeElectricSwitchType

Used by Attributes: Regulator - Fuse Type;Switch - Swt Type

Value	Definition (Notes) [Source]
DISCONNECT	disconnect [SDSFIE V1.4]
ISO	ISO switch [SDSFIE V1.4]
OIL	oil switch [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
RAC6WOIL	RAC 6way oil switch [SDSFIE V1.4]
RACOIL	RAC oil switch [SDSFIE V1.4]
RAMOIL	RAM oil switch [SDSFIE V1.4]
SOLIDBLADISC	solid blade disconnect [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VACUUM	vacuum [SDSFIE V1.4]

CodeElectricTranbnk

Used by Attributes: Transformr Bank - Mount

Value	Definition (Notes) [Source]
CEILING_MOUNTED	Ceiling mounted. [SDSFIE V2.3 Tinker Air Force Base]
PAD_MOUNTED	pad mounted transformer bank [SDSFIE V2.1 FGDC Utilities Classification]
POLE_MOUNTED	pole mounted transformer bank [SDSFIE V2.1 FGDC Utilities Classification]
WALL_MOUNTED	Wall mounted [SDSFIE V2.3 Tinker Air Force Base]

CodeElectricVoltRegulType

Used by Attributes: Regulator - Reg Type

Value	Definition (Notes) [Source]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VOLTREG_1	1-phase, 7.5-19.9 Kvs, 50-418 amps, 7.6-19.9 Kva, metered or digital parameters, multiple microprocessor controlled step-voltage regulator. [SDSFIE V1.4]
VOLTREG_3	3-phase, 13-34 Kvs, 220-445 amps, 500-2670 Kva, metered or digital parameters, multiple microprocessor controlled step-voltage regulator. [SDSFIE V1.4]

CodeElectronicMarkerPurpose

Used by Attributes: Marker - Elmpur

Value	Definition (Notes) [Source]
BUILDING_ENTER	Conduit Entrance to Building. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
ROAD_CROSSING	Road Crossing. [SDSFIE V2.5 AIR FORCE]
ROUTE	Cable or Duct Route. [SDSFIE V2.5 AIR FORCE]
ROUTE_CHANGE	Change in Direction of Cable or Duct Route. [SDSFIE V2.5 AIR FORCE]
SPLICE	Cable Splice Location. [SDSFIE V2.5 AIR FORCE]

STUBOUT	Manhole Stubout. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeEnclosureMaterials

Used by Attributes: Pedestal Site - Costrm;Cable Bridge Line - material;Cable Rack Line - material;Cable Tray Line - Material;Vault - Vlt Material

Value	Definition (Notes) [Source]
AL	Aluminum. [SDSFIE V2.5 AIR FORCE]
CIS	Concrete Cast inSitu/Cast in Place. [SDSFIE V2.5 AIR FORCE]
COMBINATION	Combination of materials. [SDSFIE V2.5 AIR FORCE]
FIBERGLASS	Fiberglass. [SDSFIE V2.5 AIR FORCE]
IRON	Iron (Cast or Forged). [SDSFIE V2.5 AIR FORCE]
MASONRY	Masonry (Brick or Block). [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
PLASTIC	Plastic. [SDSFIE V2.5 AIR FORCE]
PRECAST	Pre-Cast Concrete. [SDSFIE V2.5 AIR FORCE]
STEEL	Steel. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeEncryptionLevelType

Used by Attributes: Relay Station - Enc Max

Value	Definition (Notes) [Source]
I	First [SDSFIE V2.3 Tinker Air Force Base]
II	Second [SDSFIE V2.3 Tinker Air Force Base]
III	Third [SDSFIE V2.3 Tinker Air Force Base]
IV	Fourth [SDSFIE V2.3 Tinker Air Force Base]
V	Fifth [SDSFIE V2.3 Tinker Air Force Base]

CodeEquipmentCooling

Used by Attributes: Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Pump - Cool Method;Rect Point - Cool Method;Rectifier - Cool Method;Rectifier - Cool Method;Rectifier - Cool Method;Rectifier - Cool Method;Generator - Cool Type;Regulator - Cool Type;Rectifier - Cooling Method

Value	Definition (Notes) [Source]
AIR	air [SDSFIE V1.4]
FAN	fan [SDSFIE V1.4]
OIL	oil [SDSFIE V1.4]
OILAIR	oil and air (OA) [SDSFIE V1.4]
OILAIRFAN	oil, air, and fan (FA) [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
REFRIGERATE	refrigeration units [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]

CodeEquipmentType

Used by Attributes: Equipment - Equipment Type

Value	Definition (Notes) [Source]
AN/FPN-62	AN/FPN-62. [SDSFIE V2.31 Air Force]

AN/GPN-11	AN/GPN-11. [SDSFIE V2.31 Air Force]
AN/GPN-12	AN/GPN-12. [SDSFIE V2.31 Air Force]
AN/GPN-20	AN/GPN-20. [SDSFIE V2.31 Air Force]
AN/GPN-22	AN/GPN-22. [SDSFIE V2.31 Air Force]
ARSR-4	ARSR-4. [SDSFIE V2.31 Air Force]
ASR-11	ASR-11. [SDSFIE V2.31 Air Force]
ASR-5	ASR-5. [SDSFIE V2.31 Air Force]
ASR-7	ASR-7. [SDSFIE V2.31 Air Force]
ASR-8	ASR-8. [SDSFIE V2.31 Air Force]
ASR-9	ASR-9. [SDSFIE V2.31 Air Force]
MACS	MACS. [SDSFIE V2.31 Air Force]
WSR-88D	WSR-88D. [SDSFIE V2.31 Air Force]

CodeExternalLight

Used by Attributes: Light - litType

Value	Definition (Notes) [Source]
OTHER	Other
SAFETY	Lights used for safety.
SECURITY	Security Light [SDSFIE V1.9 REEGIS]
STREET	Lights specifically designed to illuminate the street below. [SDSFIE V1.6]
UNKNOWN	Unknown
WALKWAY	Normally a low mounted light designed to illuminate a walkway or beside a driveway. [SDSFIE V2.1 FGDC Utilities Classification]
WORKSITE	Lights ysed to illuminate a work site.

CodeFireConnection

Used by Attributes: Fire Connection Point - Connection Type

Value	Definition (Notes) [Source]
FIRE_CONNECT	fire department connection [SDSFIE V2.1 FGDC Utilities Classification]
FIRE_HYDRANT	fire hydrant [SDSFIE V2.1 FGDC Utilities Classification]

CodeFireFlow

Used by Attributes: Hydrant – Flow Standard

Value	Definition (Notes) [Source]
C	Less than 500 gal/min, red hydrant cap
B	500-999 gal/min, orange hydrant cap
A	1000-1499 gal/min, green hydrant cap
AA	1500 gal/min or higher, light blue hydrant cap
TBD	To be determined
UNKNOWN	Unknown

CodeFuel

Used by Attributes: Generator - Fuel Type;Line - Fuel Type;Tank - Fuel Type;Fill Point - Gas Type;Light - Gas Type;Line - Gas Type;Source - Type

Value	Definition (Notes) [Source]
100	100/130 octane gasoline, leaded, MIL-L-5572F (GREEN)
100LL	100/130 MIL Spec, low lead, aviation gasoline (BLUE)
115	115/145 octane gasoline, leaded, MIL-L-5572F (PURPLE)
7	JP-7, Jet Propellant type 7 (Glass Tank Fuel)
80	80/87 octane gasoline, leaded, MIL-L-5572F (RED)

A	Jet A, without icing inhibitor
A+	Jet A+, Kerosene fuel, Type A, Jet A or JP-1 With icing inhibitor.
A1	Jet A1, without icing inhibitor
A1+	Jet A1+, Jet A1 with icing inhibitor.
B	Jet B, Wide cut turbine fuel, Without icing inhibitor.
B+	Jet B+, wide cut turbine fuel with icing inhibitor.
C	91/96 octane gasoline, leaded, No MIL Spec.
F	80 octane gasoline, unleaded, No MIL Spec.
G	Aviation Gasoline (AVGAS), octane unknown
H	108/135 octane gasoline, leaded, No MIL Spec
J	Jet fuel available but type is unknown
J4	JP-4, Wide cut turbine fuel MIL Spec T-5624
J5	JP-5, Kerosene MIL Spec T-5624
J8	JP-8, Semi Kerosene MIL Spec T-83133, without icing inhibitor
K	73 octane gasoline, unleaded, No MIL Spec
X	Storage tanks available and fuel type unknown or the tanks were used at one time for aviation products but may now store other products
LqNaturalGas	Liguified Natural Gas

CodeFuelDeliveryMethodType

Used by Attributes: Generator - Fuel Delivery Method

Value	Definition (Notes) [Source]
CONVEYOR	Conveyor. [SDSFIE V2.31 HSIP]
OTHER	Other. [SDSFIE V2.31 HSIP]
PIPELINE	Pipeline. [SDSFIE V2.31 HSIP]
RAIL	Railroad. [SDSFIE V2.31 HSIP]
SHIP_BARGE	Ship or Fuel Barge. [SDSFIE V2.31 HSIP]
TRUCK	Truck/Vehicle. [SDSFIE V2.31 HSIP]

CodeFuelSource

Used by Attributes: Source - Name

Value	Definition (Notes) [Source]
5	lagoon #5 [SDSFIE V1.4]
ART_WELL_7	Artisan Well #7 [SDSFIE V1.6]
FEDERALES	Arroyo Federales [SDSFIE V1.6]
LAFOUCHE	Bayou LaFouche [SDSFIE V1.6]
MAGEES_CREEK	Magees Creek [SDSFIE V1.6]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TYLERTOWN	Tylertown Wellfield [SDSFIE V1.6]
UNKNOWN	unknown [SDSFIE V1.4]

CodeGasFixtureUse

Used by Attributes: Light - Fix Use

Value	Definition (Notes) [Source]
EX_LIGHT	exterior light [SDSFIE V1.4]
IN_LIGHT	interior light [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SEC_LIGHT	security light [SDSFIE V1.4]
ST_LIGHT	street light [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeGeneratorType

Used by Attributes: Generator - Type

Value	Definition (Notes) [Source]
BACKUP	Backup generator. [SDSFIE V2 Cherry Point]
EMERGENCY	Emergency generator. [SDSFIE V2 Cherry Point]
OTHER	other [SDSFIE V1.4]
PRIMARY	Primary generator. [SDSFIE V2 Cherry Point]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeHcsAnchor

Used by Attributes: Anchor - Anch Type

Value	Definition (Notes) [Source]
GUIDE_ANCHOR	guide anchor [SDSFIE V2.1 FGDC Utilities Classification]
RIGID_ANCHOR	rigid anchor [SDSFIE V2.1 FGDC Utilities Classification]

CodeHeating-CoolingType

Used by Attributes: Plant Area - Prod Type

Value	Definition (Notes) [Source]
CHW	chilled water: water less than 45 deg. F. [SDSFIE V1.4]
HTW_CHW	high temp - chilled water [SDSFIE V1.4]
LTW	low temperature water: water less than 250 deg. F. [SDSFIE V1.4]
LTW_CHW	low temp - chilled water [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
S	steam [SDSFIE V1.4]
S_CHW	steam - chilled water [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeHertz

Used by Attributes: Motor - hertz

Value	Definition (Notes) [Source]
temp	temp

CodeHydrantClass

Used by Attributes: Fire Connection Point - Hydrant Class

Value	Definition (Notes) [Source]
GREEN	green - Class A - rated capacity of 1000-1499 gpm (3785-5675 L/min). [SDSFIE V1.8]
LT_BLUE	light blue - Class AA - rated capacity of 1500 gpm or greater (5680 L/min). [SDSFIE V1.8]
ORANGE	orange - Class B - rated capacity of 500-999 gpm (1900-3780 L/min). [SDSFIE V1.8]
RED	red - Class C - rated capacity less than 500 gpm (1900 L/min). [SDSFIE V1.8]

CodeHydrantOrg

Used by Attributes: Hydrant – Owner;Hydrant – Maintenance Agency

Value	Definition (Notes) [Source]
AA_COUNTY	Anne Arundel County

BALTIMORE_CITY	Baltimore City
FAA	Federal Aviation Administration
MAA	Maryland Aviation Administration
OTHER	Other
PRIVATE	Private
SHA	Maryland State Highway Administration
UNKNOWN	Unknown

CodeHydrantType

Used by Attributes: Fill Point - Hydrant Type;Fire Connection Point - Hydrant Type;Hydrant - Hydrant Type;Hydrant - Hydrant Type

Value	Definition (Notes) [Source]
AIRPORT	airport hydrant [SDSFIE V1.4]
BUILDING	building hydrant [SDSFIE V1.4]
DRINKFOUNT	drinking fountain [SDSFIE V1.4]
DRYBARREL	dry barrel [SDSFIE V1.4]
FREEZEPROOF	freeze proof [SDSFIE V1.4]
FUEL	fuel hydrant [SDSFIE V1.4]
NATGAS	natural gas hydrant [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
STREETWASH	street washer [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WASHRACK	wash rack hydrant [SDSFIE V1.4]
WATER	water hydrant [SDSFIE V1.4]
WETBARREL	wet barrel [SDSFIE V1.4]
YARD	yard hydrant [SDSFIE V1.4]
ELEVATED	connection on elevated roadway with valve on lower level
UNDERGROUND	hydrant contained in underground vault
WALL	hydrant is wall-mounted connection inside building

CodeInlets

Used by Attributes: Inlet - Inlet St;Inlet - Inlet St;Inlet - Inlet Step

Value	Definition (Notes) [Source]
AC_CONDENSATE	air conditioner condensate [SDSFIE V2.3 Cherry Point]
BWV_DRAIN	backwater valve drain [SDSFIE V2.3 Cherry Point]
CATCH_BASIN	catch basin [SDSFIE V2.3 Cherry Point]
CONDENSATE_DRAIN	condensate drain [SDSFIE V2.3 Cherry Point]
CURB_INLET	curb opening inlet [SDSFIE V2.1 FGDC Utilities Classification]
DRAIN	drain [SDSFIE V2.3 Cherry Point]
DROP_INLET	drop inlet [SDSFIE V2.1 FGDC Utilities Classification]
GRATECRBOPEN	combined grate and curb opening inlet [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
ROOF_DRAIN	roof drain [SDSFIE V2.3 Cherry Point]
STANDARDA	inlet standard type A inlet [SDSFIE V1.4]
STANDARDB	inlet standard type B inlet [SDSFIE V1.4]
STANDARDC	inlet standard type C inlet [SDSFIE V1.4]
STANDARDD	inlet standard type D inlet [SDSFIE V1.4]
SURFACE_LINEAR	surface linear [SDSFIE V2.1 FGDC Utilities Classification]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WASTE_DRAIN	waste drain [SDSFIE V2.3 Cherry Point]
WEIRINLET	weir inlet [SDSFIE V1.4]

CodeJunctionType

Used by Attributes: Access Point - Junction Type;Air Eliminator - Junction Type;Air Pressure Device - Junction Type;Amplifier - Junction Type;Anchor - Junction Type;Anode - Junction Type;Anode - Junction Type;Anode - Junction Type;Anode - Junction Type;Anode - Junction Type;Anode - Junction Type;Anode Test Station - Junction Type;Anode Test Station - Junction Type;Anode Test Station - Junction Type;Anode Test Station - Junction Type;Anode Test Station - Junction Type;Anode Test Station - Junction Type;Antenna Site - Junction Type;Attenuator - Junction Type;Cable Ladder - Junction Type;Capacitor - Junction Type;Culvert End - Junction Type;DbSplice - Junction Type;Device - Junction Type;Device - Junction Type;Discharge Point - Junction Type;Discharge Point - Junction Type;Discharge Point - Junction Type;Discharge Point - Junction Type;Disposal Tank - Junction Type;Downspout - Junction Type;Downspout - Junction Type;Drain Separator - Junction Type;Drinking Water Sample Point - Junction Type;Equipment - Junction Type;Farm Site - Junction Type;Fill Point - Junction Type;Filter Strainer - Junction Type;Fire Connection Point - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Fitting - Junction Type;Flow Control Device - Junction Type;Flow Control Device - Junction Type;Gate - Junction Type;Generator - Junction Type;Grease Trap - Junction Type;Grit Chamber - Junction Type;Grit Chamber - Junction Type;Ground Point - Junction Type;Ground Point - Junction Type;Head Bolt Outlet - Junction Type;Headwall - Junction Type;Headwall - Junction Type;Hydrant - Junction Type;Hydrant - Junction Type;Impedance Matching Point - Junction Type;Inlet - Junction Type;Inlet - Junction Type;Inlet - Junction Type;Inlet - Junction Type;Intake - Junction Type;Internet Center - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Junction - Junction Type;Light - Junction Type;Light - Junction Type;Load Capacitor - Junction Type;Load Coil - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Marker - Junction Type;Media Converter - Junction Type;Meter - Junction Type;Meter - Junction Type;Meter - Junction Type;Meter - Junction Type;Meter - Junction Type;Meter - Junction Type;Meter - Junction Type;Motor - Junction Type;Network Systems Site - Junction Type;Neutralizer - Junction Type;Neutralizer - Junction Type;Oil Water Separator - Junction Type;Oil Water Separator - Junction Type;Oil Water Separator - Junction Type;Oil Water Separator - Junction Type;Path Node Site - Junction Type;Pedestal - Junction Type;Pedestal Site - Junction Type;Pig Launch Point - Junction Type;Pressure Reducing Station - Junction Type;Pullbox Site - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump - Junction Type;Pump Booster Station - Junction Type;Pump Ejector Station - Junction Type;Pump Station - Junction Type;Pump Station - Junction Type;Pump Station - Junction Type;Pump Station - Junction Type;Pumpstation Ejector - Junction Type;Radar Site - Junction Type;Radio - Junction Type;Radio Receiver - Junction Type;Radio Transmitter - Junction Type;Rect Point - Junction Type;Rectifier - Junction Type;Rectifier - Junction Type;Rectifier - Junction Type;Rectifier - Junction Type;Rectifier - Junction Type;Reducer - Junction Type;Refinery Site - Junction Type;Regulator - Junction Type;Regulator - Junction Type;Regulator Reducer - Junction Type;Regulator Reducer - Junction Type;Relay Station - Junction Type;Repeater - Junction Type;Reservoir - Junction Type;Reservoir - Junction Type;Riser - Junction Type;Riser - Junction Type;Satellite - Junction Type;Segmented Cable Point - Junction Type;Sensor - Junction Type;Septic Tank - Junction Type;Service Area - Junction Type;Service Loop Point - Junction Type;Source - Junction Type;Source - Junction Type;Source Site - Junction Type;Speaker - Junction Type;Splice - Junction Type;Splice - Junction Type;Splitter - Junction Type;Stilling Basin - Junction Type;Storm Ceptor - Junction Type;Storm Filter - Junction Type;Substation - Junction Type;Switch - Junction Type;Tank - Junction Type;Tank - Junction Type;Tank - Junction Type;Tank - Junction Type;Tank - Junction Type;Tank Area - Junction Type;Telephone - Junction Type;Telephone Booth - Junction Type;Terminal - Junction Type;Terminator - Junction Type;Transformer Vault - Junction Type;Transformr Bank - Junction Type;Treatment Plant - Junction Type;Treatment Unit - Junction Type;Utility Electric Utility Site - Junction Type;Utility Pole Guy - Junction Type;Utility Pole Tower Site - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve - Junction Type;Valve Pit - Junction Type;Vault - Junction Type;Vault - Junction Type;Vent - Junction Type;Vertical Site - Junction Type;Video Site - Junction Type;Voice Switch - Junction Type

Value	Definition (Notes) [Source]
NEITHER	A junction feature that neither pushes or pulls flow away or towards itself.
SINK	A junction feature that pulls flow toward itself through the edges of a geometric network [ESRI]
SOURCE	A junction feature that pushes flow away from itself through the edges of a geometric network [ESRI]

CodeJuncType

Used by Attributes: Comm Junction – JuncType; Deicing Junction – JuncType; Electrical Junction - JuncType

Value	Definition (Notes) [Source]
UNKNOWN	UNKNOWN

MANHOLE	MANHOLE
HANDHOLE	HANDHOLE
SWITCHBOX	SWITCHBOX

CodeLaboratory

Used by Attributes: Lagoon - Lab Name;Lagoon - Lab Name;Storage Area - Lab Name

Value	Definition (Notes) [Source]
LAW_ENG	Law Engineering [SDSFIE V1.4]
LAW_ENV	Law Environmental [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WES	Waterways Experiment Station [SDSFIE V1.4]

CodeLaboratoryType

Used by Attributes: Lagoon - Lab Type;Lagoon - Lab Type;Storage Area - Lab Type

Value	Definition (Notes) [Source]
CHEMICAL	chemical testing laboratory [SDSFIE V1.4]
ENVIRONMENTAL	environmental testing laboratory [SDSFIE V1.4]
GEOTECHNICAL	geotechnical (soils and rock) testing laboratory [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
STRUCTURAL	structural testing laboratory [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeLightingConfigurationType

Used by Attributes: Disposal Tank - Lighting Type;Septic Tank - Lighting Type;Tank - Lighting Type;Tank - Lighting Type;Tank - Lighting Type;Tank - Lighting Type;Tank - Lighting Type;Tank Area - Lighting Type

Value	Definition (Notes) [Source]
ALSF-1	High Intensity Approach Lighting System - Configuration 1
ALSF-2	High Intensity Approach Lighting System - Configuration 2
APAP	Alignment of Element Systems
APBN	Airport Rotating Beacon
CLRBAR	Taxiway Clearance Bar Lights
CODEBEACON	Code Beacon
COURSE	Course Lights
F	Fixed
FL	Flashing (Sea Plane Navigation Buoy use only)
FL (2)	Group Flashing (Sea Plane Navigation Buoy use only)
FL (2+1)	Composite Group-Flashing (Sea Plane Navigation Buoy use only)
HLL	Hover Lane Light
HLLL	Hover Lane Limit Light
HPIL	Helipad Perimeter Inset Light
HPPEL	Helipad Perimeter Light (Elevated)
HPPLSF	Helipad Perimeter Light (Semiflush)
ISO	Isophase (Sea Plane Navigation Buoy use only)
L-804	Unidirectional elevated runway guard lights
L-850A	Bi directional or unidirectional runway in pavement light used for runway centerline, Land and Hold Short Operations (LAHSO).
L-850B	Unidirectional runway in pavement light used for runway touchdown zone and medium intensity approach light system applications.
L-850C	Bi directional runway in pavement light used for runway edge lights and displaced threshold applications.
L-850D	Bi directional or unidirectional runway in pavement lights used for runway threshold or runway end light applications.
L-850E	Unidirectional runway in pavement light used for runway threshold light and Medium

	Intensity Approach Light System applications
L-850F	Unidirectional runway in pavement lights white flashing lights used for LAHSO
L-852A	Bi directional or unidirectional taxiway centerline in pavement lights used for the straight sections of taxiways where operations are permitted when the Runway Visual Range (RVR) is greater than or equal to 1200 feet.
L-852B	Bi directional or unidirectional taxiway centerline in pavement lights for curved sections of taxiways where operations are permitted when the Runway Visual Range (RVR) is greater than or equal to 1200 feet.
L-852C	bi directional or unidirectional taxiway centerline in pavement lights for straight portions of taxiways where operations are permitted when the Runway Visual Range (RVR) is less than 1200 feet.
L-852D	Bi directional or unidirectional taxiway centerline in pavement lights used for curved portions of taxiways where operations are permitted when the Runway Visual Range is less than 1200 feet.
L-852E	Omni directional taxiway intersection in pavement lights where operations are permitted when the Runway Visual Range is greater than or equal to 1200 feet.
L-852E/F	Runway Guard Light in-pavement
L-852F	Omni directional taxiway intersection in pavement lights where operations are permitted when the Runway Visual Range is less than 1200 feet.
L-852G	Unidirectional Runway Guard in pavement lights
L-852G/S	Combination Runway Guard/Stop bar light in-pavement
L-852J	Bi directional taxiway centerline in pavement lights for the curved portions of taxiways where operations are permitted when the Runway Visual Range is greater than or equal to 1200 feet.
L-852K	Bi directional taxiway centerline in pavement lights for the curved portions of taxiway where operation are permitted when the Runway Visual Ranger is less than 1200 feet.
L-852S	Unidirectional in pavement Stop Bar lights
L-852T	Omni directional in pavement taxiway edge and Apron edge lights
L-853	Reflective Marker
L-854	Radio Controller (Pilot Controlled Lights)
L-860	Omni directional elevated runway edge lights for Visual Flight Rules (VFR) operations.
L-860E	Bi directional or unidirectional elevated runway threshold or runway end lights for Visual Flight Rules operations.
L-861	Omni directional or bi directional elevated runway edge or displaced threshold lights for non-precision Instrument Flight Rules (IFR) operations.
L-861E	Bi directional or unidirectional elevated runway threshold or runway end lights for non-precision Instrument Flight Rule operations.
L-861SE	Bi directional and unidirectional elevated runway threshold, runway end, and displaced threshold lights for non-precision Instrument Flight Rule operations
L-861T	Omni directional elevated taxiway and apron edge lights.
L-862	Bi directional elevated runway edge, threshold, and displaced threshold lights for precision Instrument Flight Rule operations.
L-862E	Bi directional or unidirectional elevated runway threshold, runway end, and displaced threshold lights for precision Instrument Flight Rule operations.
L-862S	Unidirectional elevated stop bar lights
L-880/L881	Precision Approach Path Indicator
LDIN	Lead In Lighting System
MALS	Medium Intensity Approach Lighting System
MALSF	Medium Intensity Approach Lighting System with Sequenced Flashing Lights
MALSR	Medium Intensity Approach Lighting System with Runway Alignment Indicator Lights (RAIL)
MO (A)	Morse Code (Sea Plane Navigation Buoy use only)
NONE	No lights
OBSCAT	Catenary Lighting
OBSDUAL	A combination of OBSRED and OBSWHT
OBSRED	Aviation red Obstruction Lights
OBSWHITE	Flashing White Obstruction Lights
OC	Occulting (Sea Plane Navigation Buoy use only)
ODALS	Omnidirectional Approach Lighting System
OTHER	Other
PAPI2	Precision Approach Path Indicator with 2 lights
PAPI4	Precision Approach Path Indicator with 4 lights
PORTABLE	Portable Lights
PVASI	Pulsating visual Approach Slope Indicator
Q	Quick (Flashing) (Sea Plane Navigation Buoy use only)
RAIL	Runway Alignment Indicator Lights
REIL	Runway End Identifier Lights
RWSL	Runway Status Lights
SALS	Short Approach lighting System
SMGCS	Surface Movement Guidance Control System

SSALF	Short Simplified Approach Light System with Sequenced Flashing Lights
SSALR	Simplified Short Approach Lighting System with Runway Alignment Indicator
TRCV	TriColor VASI
T-VASI	Visual Approach Slope Indicator
TWYON_OFFLGT	Taxiway Lead on/off lights
VASI-12	Visual Approach Slope Indicator with 2 bars and 12 boxes
VASI-16	Visual Approach Slope Indicator with 3 bars and 16 boxes
VASI-2	Visual Approach Slope Indicator with 2 bars
VASI-2-2	Visual Approach Slope Indicator with 2 bars and 2 boxes
VASI-3	Visual Approach Slope Indicator with 3 bars

CodeLightWatts

Used by Attributes: Light - Watts

Value	Definition (Notes) [Source]
100	100w. [SDSFIE V2.4 USMC]
1000	1000w. [SDSFIE V2.4 USMC]
150	150w. [SDSFIE V2.4 USMC]
175	175w. [SDSFIE V2.4 USMC]
200	200w. [SDSFIE V2.4 USMC]
250	250w. [SDSFIE V2.4 USMC]
400	400w. [SDSFIE V2.4 USMC]
7	7w [SDSFIE V1.9]
70	70w [SDSFIE V1.9]

CodeLoadCoilSystem

Used by Attributes: Load Coil - Ldcsym

Value	Definition (Notes) [Source]
B88	B88 - 88 Mh Coil Spaced Every 3,000 Feet. [SDSFIE V2.5 AIR FORCE]
D66	D66 - 66 Mh Coil Spaced Every 4,500 Feet. [SDSFIE V2.5 AIR FORCE]
D66DSL	D66DSL - 66 Mh Coil Spaced Every 4,500 Feet. Permits ADSL Services. [SDSFIE V2.5 AIR FORCE]
D88	D88 - 88 Mh Coil Spaced Every 4,500 Feet. [SDSFIE V2.5 AIR FORCE]
H88	H88 - 88 Mh Coil Spaced Every 6,000 Feet. [SDSFIE V2.5 AIR FORCE]
H88DSL	H88DSL - 88 Mh Coil Spaced Every 6,000 Feet. Permits ADSL Services. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeLoadsCoilCaseType

Used by Attributes: Load Coil - Ldccas

Value	Definition (Notes) [Source]
124C	124C Case. [SDSFIE V2.5 AIR FORCE]
235A	235A Case. [SDSFIE V2.5 AIR FORCE]
236C	236C Case. [SDSFIE V2.5 AIR FORCE]
723	723 Aerial Load Coil Case. [SDSFIE V2.5 AIR FORCE]
724	724 Aerial Load Coil Case. [SDSFIE V2.5 AIR FORCE]
772	772 Aerial Load Coil Case. [SDSFIE V2.5 AIR FORCE]
NREC	Non-reenterable factory sealed case designed to be placed within an enclosure. [SDSFIE V2.5 AIR FORCE]
NREX	Non-reenterable factory sealed case designed to be direct buried or exposed to weather. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
REC	Coils are assembled in a case that can be opened for maintenance, designed to be placed in an enclosure. [SDSFIE V2.5 AIR FORCE]

TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeManholeCoverType

Used by Attributes: Junction - Cover Material

Value	Definition (Notes) [Source]
MRND25	Round (25 centimeter diameter). [SDSFIE V2.5 AIR FORCE]
MRND40	Round (40 centimeter diameter). [SDSFIE V2.5 AIR FORCE]
MRND45	Round (45 centimeter diameter). [SDSFIE V2.5 AIR FORCE]
REC	Rectangular (24 inch by 36 inch) [SDSFIE V2 Austin and Pitts]
RND24	Round (24 inch diameter) [SDSFIE V2 Austin and Pitts]
RND27	Round (27 inch diameter) [SDSFIE V2 Austin and Pitts]
RND28	Round (28 inch diameter) [SDSFIE V2 Austin and Pitts]
RND30	Round (30 inch diameter) [SDSFIE V2 Austin and Pitts]
RND36	Round (36 inch diameter) [SDSFIE V2 Austin and Pitts]
RND38	Round (38 inch diameter) [SDSFIE V2 Austin and Pitts]
RND42	Round (42 inch diameter) [SDSFIE V2 Austin and Pitts]
RND48	Round (48 inch diameter) [SDSFIE V2 Austin and Pitts]

CodeManholeLinerType

Used by Attributes: Junction - Liner Type;Junction - Liner Type;Neutralizer - Liner Type;Neutralizer - Liner Type

Value	Definition (Notes) [Source]
GLASS	glass liner [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PLASTIC	plastic liner [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeManholeMaterial

Used by Attributes: Junction - Apron Trough Material;Junction - Corbel Walls Material

Value	Definition (Notes) [Source]
temp	temp

CodeMaritimeMgmtType

Used by Attributes: Media Converter - Mtimzone

Value	Definition (Notes) [Source]
CZ	The Contiguous Zone is a U.S. maritime boundary extending to 24 nautical miles from the baseline. [SDSFIE V2.5 NAVFAC]
EEX	The Exclusive Economic Zone is an area beyond and adjacent to the territorial sea. [SDSFIE V2.5 NAVFAC]
FZ	The Fishing Zone area as defined in the Fisheries Management Act 1991 (FMA). [SDSFIE V2.5 NAVFAC]
HS	High Seas, International Waters, meaning the open seas of the world outside the territorial waters of any nation. [SDSFIE V2.5 NAVFAC]
IW	Internal Waters. [SDSFIE V2.5 NAVFAC]
JDZ	Joint Development Zones. [SDSFIE V2.5 NAVFAC]
MZ	Military Zones. [SDSFIE V2.5 NAVFAC]
SZ	Special Zones. [SDSFIE V2.5 NAVFAC]
TS	The Territorial Sea is U.S. maritime boundary extending to 12 nautical miles as measured from the baseline. [SDSFIE V2.5 NAVFAC]

CodeMarkingFeatureType

Used by Attributes: Disposal Tank - markingFeatureType;Septic Tank - markingFeatureType;Tank - markingFeatureType;Tank - markingFeatureType;Tank - markingFeatureType;Tank - markingFeatureType;Tank - markingFeatureType;Tank Area - markingFeatureType

Value	Definition (Notes) [Source]
AIMING_POINT	Runway Aiming Point (Geometry Type: Polygon) [Source: AC 150/5340-1]
ALTBAND	lternating bands of aviation orange and white [Source AC 70/7640-1]
APRON_SIGN	Surface painted apron position/entrance sign (Geometry Type: Polygon) [Source: AC 150/5340-1]
ARROW	Arrows identify the displaced threshold area to provide centerline guidance for takeoffs and rollouts (Geometry Type: Line) [Source: AC 150/5340-1]
ARROW_HEAD	Arrow heads are used in conjunction with a threshold bar to further highlight the beginning of a runway (Geometry Type: Line) [Source: AC 150/5340-1]
CHECKERBOARD	Checkerboard obstruction marking pattern [Source AC 70/7640-1]
CHEVRON	A marking used to designate blast pads and other areas that are not suitable for aircraft (Geometry Type: Line) [Source: AC 150/5340-1]
DEMARCATION	Demarcation Bar (Geometry Type: Line) [Source: AC 150/5340-1]
DIR_SIGN	Surface painted taxiway direction signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
GATE_LINE	All painted taxilines covering a parking stand area are regarded as stand guidance lines and will be individual objects in the database. There may be several stand guidance taxilines leading to an aircraft stand to accommodate different aircraft types.
GATE_SIGN	Surface painted gate position signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
HOLD_SIGN	Surface painted holding position signs (Geometry Type: AC 150/5340-1]
ILS_HOLD	Holding position markings for Instrument Landing Systems (Geometry Type: Polygon) [Source: AC 150/5340-1]
INTERSECTION_HOLD	Holding position marking for taxiway/taxiway intersections (Geometry Type: Line) [Source: AC 150/5340-1]
LAHSO	Marking associated with a Land And Hold Short Operations (LAHSO)
LOCATION_SIGN	Surface painted taxiway location signs (Geometry Type: Polygon) [Source: AC 150/5340-1]
NON_MOVE_AREA	Non-movement area marking (Geometry Type: Line) [Source: AC 150/5340-1]
NONE	No marking(s)
OTHER	Other markings not listed
OTHER_LINE	Other markings suitable for representation as a line
OTHER_POLYGON	Other markings suitable for representation as a polygon
PERM_CLOSED	Markings for permanently closed runways and taxiways (Geometry Type: Polygon) [Source: AC 150/5340-1]
POS_SIGN	Geographic position markings (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_CL	Runway Centerline (Geometry Type: Line) [Source: AC150/5340-1]
RWY_HOLD	Runway holding position markings on Runways (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_ID	Runway Designation Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
RWY_SHD	Runway shoulder markings (Geometry Type: Line) [Source: AC 150/5340-1]
RWY_THRSH	Runway Threshold Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
SIDE_STRP	Runway Side Stripe Marking (Geometry Type: Line) [Source: AC 150/5340-1]
SOLID	Solid pattern obstruction marking [Source AC 70/7640-1]
TDZ_MARK	Runway Touchdown Zone Marking (Geometry Type: Polygon) [Source: AC 150/5340-1]
TEMP_CLOSED	Markings for temporarily closed runways and taxiways (Geometry Type: Line) [Source: AC 150/5340-1]
THRSH_BAR	Runway Threshold Bar (Geometry Type: Polygon) [Source: AC 150/5340-1]
TIEDOWN	Aircraft tiedown
TWY_CL	Taxiway Centerline (Geometry Type: Line) [Source: AC 150/5340-1]
TWY_EDGE	Taxiway edge marking (Geometry Type: Line) [Source: AC 150/5340-1]
TWY_HOLD	Runway hold position markings on taxiways (Geometry Type: Polygon) [Source: AC 150/5340-1]
TWY_SHD	Taxiway shoulder marking (Geometry Type: Line) [Source: AC 150/5340-1]
VEHICLE	Vehicle roadway markings (Geometry Type: Line) [Source: AC 150/5340-1]

CodeMaxcellType

Used by Attributes: Media Converter - Maxcellt

Value	Definition (Notes) [Source]
MXC_1_25_1	Standard 1.25 Inch 1 Cell (White - Teardrop) - 1.25 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXC_2_2	Standard 2 Inch 2 Cell (Purple) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXC_2_3	Standard 2 Inch 3 Cell (Yellow) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXC_3_3	Standard 3 Inch 3 Cell (Black, Red, or Blue) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXC_4_3	Standard 4 Inch 3 Cell (Green) - 1.25 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXD_1_25_1	Detachable 1.25 Inch 1 Cell (White - Teardrop) - 1.25 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXD_2_2	Detachable 2 Inch 2 Cell (Purple) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXD_2_3	Detachable 2 Inch 3 Cell (Yellow) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXD_3_3	Detachable 3 Inch 3 Cell (Black, Red, or Blue) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXD_4_3	Detachable 4 Inch 3 Cell (Green) - 1.25 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXP_1_25_1	Plenum 1.25 Inch 1 Cell (White - Teardrop) - 1.25 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXP_2_2	Plenum 2 Inch 2 Cell (Purple) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXP_2_3	Plenum 2 Inch 3 Cell (Yellow) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
MXP_3_3	Plenum 3 Inch 3 Cell (Black, Red, or Blue) - 1 Inch Cable OD Max. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeMediaConverter

Used by Attributes: Media Converter - Mcnvty

Value	Definition (Notes) [Source]
COAX_TO_MM	Coaxial Cable to Multi Mode Fiber. [SDSFIE V2.5 AIR FORCE]
COAX_TO_SM	Coaxial Cable to Single Mode Fiber. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
SM_TO_MM	Single Mode Fiber to Multi Mode Fiber. [SDSFIE V2.5 AIR FORCE]
STP_TO_MM	Shielded Twisted Pair to Multi Mode Fiber. [SDSFIE V2.5 AIR FORCE]
STP_TO_SM	Shielded Twisted Pair to Single Mode Fiber. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
UTP_TO_MM	Unshielded Twisted Pair to Multi Mode Fiber. [SDSFIE V2.5 AIR FORCE]
UTP_TO_SM	Unshielded Twisted Pair to Single Mode Fiber. [SDSFIE V2.5 AIR FORCE]

CodeMediaType

Used by Attributes: Equipment - Media Type;Segmented Cable Point - Media Type

Value	Definition (Notes) [Source]
COPPER	Copper. [SDSFIE V2.3 Tinker Air Force Base]
FIBER_OPTIC	Fiber Optics. [SDSFIE V2.31 Air Force]
MICROWAVE	Microwave. [SDSFIE V2.31 Air Force]
MULTI_MODE_FIBER	Multi-Mode Fiber [SDSFIE V2.3 Tinker Air Force Base]
SINGLE_MODE_FIBE	Single Mode Fiber. [SDSFIE V2.3 Tinker Air Force Base]

CodeNavigationLineType

Used by Attributes: Cable - Cable Category

Value	Definition (Notes) [Source]
CLEARING_LINE	Clearing Line [SDSFIE V2.2 S-57]
LD_LN_BEAR_A_TRA	Leading Line Bearing A Recommended Track [SDSFIE V2.2 S-57]
TRANSIT_LINE	Transit Line [SDSFIE V2.2 S-57]

CodeNetworkAffiliationType

Used by Attributes: Network Systems Site - Net Aff;Relay Station - Net Aff

Value	Definition (Notes) [Source]
ABC	ABC Network. [SDSFIE V2.31 HSIP]
CBL	CBL Network. [SDSFIE V2.31 HSIP]
CBS	CBS Network. [SDSFIE V2.31 HSIP]
FOX	FOX Network. [SDSFIE V2.31 HSIP]
NBC	NBC Network. [SDSFIE V2.31 HSIP]
PBS	PBS Network. [SDSFIE V2.31 HSIP]

CodeNetworkBandwidth

Used by Attributes: Media Converter - Netbw;Repeater - Netbw

Value	Definition (Notes) [Source]
0_3	300 bps - 300 Bits Per Second (Bell 103, ITU-T V.21). [SDSFIE V2.5 AIR FORCE]
1_1_2	1200 bps - 1200 Bits Per Second (Bell 212A, ITU-T V.22). [SDSFIE V2.5 AIR FORCE]
1_14_4	14.4K bps - 14.4K Bits Per Second (ITU-T V.32bis, V.33). [SDSFIE V2.5 AIR FORCE]
1_19_2	19.2K bps - 19.2K Bits Per Second (ITU-T V.34, V.32terbo) [SDSFIE V2.5 AIR FORCE]
1_2_4	2400 bps - 2400 Bits Per Second (ITU-T V.22bis). [SDSFIE V2.5 AIR FORCE]
1_28_8	28.8K bps - 28.8K Bits Per Second (ITU-T V.34). [SDSFIE V2.5 AIR FORCE]
1_33_6	33.6K bps - 33.6K Bits Per Second (ITU-T V.34). [SDSFIE V2.5 AIR FORCE]
1_38_4	38.4K bps - 38.4K Bits Per Second. [SDSFIE V2.5 AIR FORCE]
1_4_8	4800 bps - 4800 Bits Per Second (Bell 208 A/B, ITU-T V.29). [SDSFIE V2.5 AIR FORCE]
1_48_0	48K bps - 48K Bits Per Second. [SDSFIE V2.5 AIR FORCE]
1_56_0	56K bps - 56K Bits Per Second (ITU-T V.9x). [SDSFIE V2.5 AIR FORCE]
1_57_6	57.6K bps - 57.6K Bits Per Second. [SDSFIE V2.5 AIR FORCE]
1_64_0	64K bps - 64K Bits Per Second. [SDSFIE V2.5 AIR FORCE]
1_7_2	7200 bps - 7200 Bits Per Second (ITU-T V.29). [SDSFIE V2.5 AIR FORCE]
1_9_6	9600 bps - 9600 Bits Per Second (ITU-T V.29, V.32, V.22bis). [SDSFIE V2.5 AIR FORCE]
1115_2	115.2K bps - 115.2K Bits Per Second. [SDSFIE V2.5 AIR FORCE]
2_1_544_T_1	1.544 Mbps (T-1, DS-1). [SDSFIE V2.5 AIR FORCE]
2_10_BT	10 Mbps (10 BaseT Copper). [SDSFIE V2.5 AIR FORCE]
2_2_048_E_1	2.048 Mbps (E-1). [SDSFIE V2.5 AIR FORCE]
2_44_736_T_3	44.736 Mbps (T-3, DS-3). [SDSFIE V2.5 AIR FORCE]
2_51_84_OC1	51.84 Mbps (OC1). [SDSFIE V2.5 AIR FORCE]
2100_BTF	100 Mbps (100 BaseT Copper, 100 BaseF Fiber). [SDSFIE V2.5 AIR FORCE]
2155_52_OC3	155.52 Mbps (OC3c, OC3/STM-1). [SDSFIE V2.5 AIR FORCE]
2622_08_OC12	622.08 Mbps (OC12c, OC12/STM-4). [SDSFIE V2.5 AIR FORCE]
3_1_BTF	1 Gbps (1000 BaseT Copper, 1000 BaseF Fiber). [SDSFIE V2.5 AIR FORCE]
3_10_BF	10 Gbps (10000 BaseF Fiber). [SDSFIE V2.5 AIR FORCE]
3_2_488_OC48	2.488 Gbps (OC48c, OC48/STM-16). [SDSFIE V2.5 AIR FORCE]
3_39_81_OC768	39.81 Gbps (OC-768c, OC-768/STM-256). [SDSFIE V2.5 AIR FORCE]
3_40_OC48WDM	40 Gbps (OC48 WDM). [SDSFIE V2.5 AIR FORCE]
3_9_952_OC192	9.952 Gbps (OC192c, OC192/STM-64). [SDSFIE V2.5 AIR FORCE]
3160_OC3072	160 Gbps (OC-3072). [SDSFIE V2.5 AIR FORCE]
4_6_4_OC768DWDM	6.4 Tbps (OC-768 DWDM). [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeNetworkProtocol

Used by Attributes: Media Converter - Netprc

Value	Definition (Notes) [Source]
ADSL	Asymmetric Digital Subscriber Loop. [SDSFIE V2.5 AIR FORCE]
ATM	Asynchronous Transfer Mode. [SDSFIE V2.5 AIR FORCE]

DSL	Digital Subscriber Loop. [SDSFIE V2.5 AIR FORCE]
ETHERNET	Ethernet. [SDSFIE V2.5 AIR FORCE]
FDDI	Fiber Distributed Data Interface. [SDSFIE V2.5 AIR FORCE]
FIBERCHANNEL	Fiber Channel. [SDSFIE V2.5 AIR FORCE]
FRAMERELAY	Frame Relay. [SDSFIE V2.5 AIR FORCE]
ISDN	Integrated Services Digital Network. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
SONET	Synchronous Optical Network. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
TOKENRING	Token Ring. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeNozzleType

Used by Attributes: Hydrant - Nozzle Type

Value	Definition (Notes) [Source]
OVERWING	Jumbo VASI with a TCH to accommodate long-bodied or jumbo aircraft. [SDSFIE V2.4 Air Force]
SINGLE_PT	None. [SDSFIE V2.4 Air Force]
SINGLEPT_OVRWING	Not Applicable. [SDSFIE V2.4 Air Force]
UNKNOWN	PVASI (Pulsating VASI). [SDSFIE V2.4 Air Force]

CodeNumberLoadsCoilType

Used by Attributes: Load Coil - Ldc Type

Value	Definition (Notes) [Source]
632	633 Type 88 Mh Load Coil. [SDSFIE V2.5 AIR FORCE]
656	657 Type 66 Mh Load Coil. [SDSFIE V2.5 AIR FORCE]
662	663 Type 88 Mh Load Coil. [SDSFIE V2.5 AIR FORCE]
666	667 Type 66 Mh Load Coil. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodePathCont

Used by Attributes: Path Segment Line - Path Cnt

Value	Definition (Notes) [Source]
3	Fiber and Copper (twisted-pair). [SDSFIE V2.5 AIR FORCE]
4	Coax. [SDSFIE V2.5 AIR FORCE]
5	Coax and Fiber. [SDSFIE V2.5 AIR FORCE]
6	Coax and Copper (twisted-pair). [SDSFIE V2.5 AIR FORCE]
7	Coax, Copper (twisted-pair), Fiber. [SDSFIE V2.5 AIR FORCE]

CodePathType

Used by Attributes: Path Segment Line - Path Type

Value	Definition (Notes) [Source]
AERIAL	Above ground path between, poles, towers or buildings. [SDSFIE V2.5 AIR FORCE]
CABLE_BRIDGE	Bridge only used for cables. [SDSFIE V2.5 AIR FORCE]
CABLE_TROUGH	Pathway on top of ground for cables. [SDSFIE V2.5 AIR FORCE]
DIRECT_BURIED	Below ground path where soil has direct contact with cable. [SDSFIE V2.5 AIR FORCE]
DUCT	Single communications duct. [SDSFIE V2.5 AIR FORCE]
DUCTBANK	A container for multiple ducts. [SDSFIE V2.5 AIR FORCE]

ROAD_CROSSING	A duct for cables, usually under a road. [SDSFIE V2.5 AIR FORCE]
STUB_OUT	Short duct used with manholes and vaults. [SDSFIE V2.5 AIR FORCE]

CodePercentModifier

Used by Attributes: Path Segment Line - percent

Value	Definition (Notes) [Source]
0	Unknown. [SDSFIE V2.5 NAVFAC]
1	Bare. [SDSFIE V2.5 NAVFAC]
2	Sparse. [SDSFIE V2.5 NAVFAC]
3	Patchy. [SDSFIE V2.5 NAVFAC]
4	Continuous. [SDSFIE V2.5 NAVFAC]

CodePhoneType

Used by Attributes: Telephone - Phone Type

Value	Definition (Notes) [Source]
COURTESY	Courtesy [SDSFIE V2 Tinker Air Force Base]
EMERGENCY	Emergency [SDSFIE V2]
EXTENSION	Extension [SDSFIE V2 Tinker Air Force Base]
HOTLINE	Hotline [SDSFIE V2 Tinker Air Force Base]
OTHER	Other [SDSFIE V2]
PAYPHONE	Payphone [SDSFIE V2 Tinker Air Force Base]
TBD	To Be Determined [SDSFIE V2]
UNKNOWN	Unknown [SDSFIE V2]

CodePipeCategory

Used by Attributes: Source Site - Cat Pipe;Transmission Pipeline - Pipe Category

Value	Definition (Notes) [Source]
BUBBLER_SYSTEM	Bubbler System [SDSFIE V2.2 S-57]
INTAKE_PIPE	Intake Pipe [SDSFIE V2.2 S-57]
OUTFALL_PIPE	Outfall Pipe [SDSFIE V2.2 S-57]
SEWER	Sewer [SDSFIE V2.2 S-57]
SUPPLY_PIPE	Supply Pipe [SDSFIE V2.2 S-57]

CodePipeDiameter

Used by Attributes: Junction - effluentPipeDiameter;Junction - influentPipe1Diameter;Junction - influentPipe2Diameter;Junction - influentPipe3Diameter;Junction - influentPipe4Diameter;Junction - influentPipe5Diameter;Culvert Center Line - Openning Diameter;Air Pipe - Size;Downspout - Size;Downspout - Size;Fire Connection Point - Size;Fitting - Size;Fitting - Size;Fitting - Size;Fitting - Size;Fitting - Size;Fitting - Size;Fitting - Size;Fitting - Size;Flow Control Device - Size;Flow Control Device - Size;Gate - Size;Hydrant - Size;Intake Line - Size;Line - Size;Line - Size;Line - Size;Line - Size;Line - Size;Line - Size;Meter - Size;Meter - Size;Meter - Size;Meter - Size;Meter - Size;Meter - Size;Pipe Line - Size;Reducer - Size;Regulator - Size;Regulator Reducer - Size;Regulator Reducer - Size;Storm Trench Drain Line - Size;Transmission Pipeline Segment Line - Size;Valve - Size;Valve - Size;Valve - Size;Valve - Size;Valve - Valve Diameter;Valve - Valve Diameter;Valve - Valve Size

Value	Definition (Notes) [Source]
0.25	1/4 inch (0.25 inch) [SDSFIE V2]
0.5	1/2 inch (0.5 inch) [SDSFIE V2]
0.75	3/4 inch (0.75 inch) [SDSFIE V2]
1	1inch (1.0 inch) [SDSFIE V2]
1.25	1 1/4 inch (1.25 inches) [SDSFIE V2]

1.5	1 1/2 inch (1.5 inches) [SDSFIE V2]
1.75	1 3/4 inch (1.75 inches) [SDSFIE V2]
10	10 inch (10.0 inches) [SDSFIE V2]
12	12 Inch (12.0 inches) [SDSFIE V2]
14	14 Inch (14.0 inches) [SDSFIE V2 Cherry Point]
15	15 Inch (15.0 inches) [SDSFIE V2 Cherry Point]
16	16 Inch (16.0 inches) [SDSFIE V2 Cherry Point]
18	18 Inch (18.0 inches) [SDSFIE V2 Cherry Point]
2	2 inch (2.0 inches) [SDSFIE V2]
2.5	2 1/2 inch (2.5 inches) [SDSFIE V2]
20	20 Inch (20.0 inches) [SDSFIE V2]
21	21 Inch (21.0 inches) [SDSFIE V2 Cherry Point]
22	22 Inch (22.0 inches) [SDSFIE V2]
24	24 Inch (24.0 inches) [SDSFIE V2 Cherry Point]
28	28 Inch (28.0 inches) [SDSFIE V2]
3	3 inch (3.0 inches) [SDSFIE V2]
30	30 Inch (30.0 inches) [SDSFIE V2 Cherry Point]
32	32 Inch (32.0 inches) [SDSFIE V2]
36	36 Inch (36.0 inches) [SDSFIE V2]
4	4 inch (4.0 inches) [SDSFIE V2]
42	42 Inch (42.0 inches) [SDSFIE V2]
48	48 Inch (48.0 inches) [SDSFIE V2]
5	5 Inch (5.0 inches) [SDSFIE V2 Cherry Point]
6	6 inch (6.0 inches) [SDSFIE V2]
60	60 Inch (60.0 inches) [SDSFIE V2]
64_INCH	64 Inch (64.0 inches). [SDSFIE V2.5 AIR FORCE]
65_INCH	65 Inch (65.0 inches). [SDSFIE V2.5 AIR FORCE]
66_INCH	66 Inch (66.0 inches). [SDSFIE V2.5 AIR FORCE]
67_INCH	67 Inch (67.0 inches). [SDSFIE V2.5 AIR FORCE]
72	72 Inch (72.0 inches) [SDSFIE V2]
8	8 inch (8.0 inches) [SDSFIE V2]
84_INCH	84 Inch (84.0 inches). [SDSFIE V2.5 AIR FORCE]
85_INCH	85 Inch (84.0 inches). [SDSFIE V2.5 AIR FORCE]
OTHER	other [SDSFIE V1.4]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodePipelineLocationType

Used by Attributes: Line - Location Type;Line - Piplty;Line - Piplty;Line - Piplty

Value	Definition (Notes) [Source]
ABOVE_GROUND	above ground [SDSFIE V1.8 USGS]
ELEVATED	elevated [SDSFIE V1.8 USGS]
SUBMERGED	submerged [SDSFIE V1.8 USGS]
TBD	to be determined [SDSFIE V1.8 USGS]
UNDERGROUND	underground [SDSFIE V1.8 USGS]
UNKNOWN	unknown [SDSFIE V1.8 USGS]

CodePipelineProduct

Used by Attributes: Transmission Pipeline - Commodity 1;Transmission Pipeline - Commodity 2;Transmission Pipeline - Commodity 3;Pump Booster Station - Prodct;Transmission Pipeline - Product Descriminator

Value	Definition (Notes) [Source]
AA	Anhydrous Ammonia [SDSFIE V2.1 DOT - NPMS]
BAUXITE	BAUXITE [SDSFIE V2.2 S-57]
CEMENT	CEMENT [SDSFIE V2.2 S-57]
CHEMICALS	Chemicals - type unspecified [SDSFIE V2.2 S-57]
CO2	Carbon Dioxide [SDSFIE V2.1 DOT - NPMS]
COAL	COAL [SDSFIE V2.2 S-57]
COKE	COKE [SDSFIE V2.2 S-57]
CRD	Crude or unprocessed oil. [SDSFIE V2.3 DOT - NPMS]
DRINKING_WATER	DRINKING_WATER [SDSFIE V2.2 S-57]

EMP	empty [SDSFIE V2.1 DOT - NPMS]
GAS	Gas - type not specified [SDSFIE V2.2 S-57]
GRAIN	GRAIN [SDSFIE V2.2 S-57]
HG	Hydrogen Gas [SDSFIE V2.1 DOT - NPMS]
HVL	Highly Volatile Liquid [SDSFIE V2.1 DOT - NPMS]
IRON_INGOTS	IRON_INGOTS [SDSFIE V2.5 S-57CENTER]
LIQUIF_PETROGAS	LIQUIFIED_PETROLEUM_GAS [SDSFIE V2.2 S-57]
LIQUIFIED_NATGAS	LIQUIFIED_NATURAL_GAS [SDSFIE V2.2 S-57]
LPG	Liquefied Petroleum Gas [SDSFIE V2.1 DOT - NPMS]
MILK	MILK [SDSFIE V2.2 S-57]
NG	Natural Gas [SDSFIE V2.1 DOT - NPMS]
NGL	Natural Gas Liquids [SDSFIE V2.1 DOT - NPMS]
OIL	OIL [SDSFIE V2.2 S-57]
ORE	ORE [SDSFIE V2.2 S-57]
PRD	Product is not known. [SDSFIE V2.1 DOT - NPMS]
SALT	SALT [SDSFIE V2.2 S-57]
SAND	SAND [SDSFIE V2.2 S-57]
SAWDUST_WOODCHIP	SAWDUST_WOODCHIPS [SDSFIE V2.2 S-57]
SCRAP_METAL	SCRAP_METAL [SDSFIE V2.2 S-57]
STONE	STONE [SDSFIE V2.2 S-57]
TIMBER	TIMBER [SDSFIE V2.2 S-57]
WATER	Water - potable or otherwise. [SDSFIE V2.2 S-57]
WINE	WINE [SDSFIE V2.2 S-57]

CodePipeMaterial

Used by Attributes: Ductbank - Duct Material;Ductbank - ductMat;Junction - effluentPipeMaterial;Junction - influentPipe1Material;Junction - influentPipe2Material;Junction - influentPipe3Material;Junction - influentPipe4Material;Junction - influentPipe5Material;Air Pipe - Material;Culvert Center Line - Material;Disposal Tank - Material;Downspout - Material;Downspout - Material;Ductbank - Material;Filtration Bed - Material;Fitting - Material;Fitting - Material;Fitting - Material;Fitting - Material;Fitting - Material;Fitting - Material;Fitting - Material;Fitting - Material;Gate - Material;Grease Trap - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Junction - Material;Lagoon - Material;Lagoon - Material;Line - Material;Line - Material;Line - Material;Line - Material;Line - Material;Line - Material;Line - Material;Line - Material;Neutralizer - Material;Neutralizer - Material;Septic Tank - Material;Sludge Bed - Material;Storm Trench Drain Line - Material;Tank - Material;Tank - Material;Tank - Material;Tank - Material;Tank - Material;Vault - Material;Vault - Pipe Material;Oil Water Separator Diversion Vault - pipeMaterial

Value	Definition (Notes) [Source]
ABS	acrylonitrile butadiene styrene [SDSFIE V1.4]
ALUMINUM	Aluminum [SDSFIE V1.4]
ARMORED_GLASS	Armored-glass. [SDSFIE V2]
ASBESTCEMENT	asbestos cement [SDSFIE V1.4]
BLACK_FE	black iron [SDSFIE V1.4]
BRICK	brick [SDSFIE V1.4]
BUILTUP	builtup [SDSFIE V1.4]
CANVAS	canvas [SDSFIE V1.4]
CARDBOARD	cardboard [SDSFIE V1.4]
CASTIRON	cast iron [SDSFIE V1.4]
CEMENT	cement [SDSFIE V1.4]
CEMENTBLOCK	cement block [SDSFIE V1.4]
CINDERBLOCK	cinder block [SDSFIE V1.4]
CIS	Concrete Cast inSitu/Cast in Place [SDSFIE V2 Tinker Air Force Base]
COATWRAPSTEL	coated and wrapped steel [SDSFIE V1.4]
COMBINATION	combination of materials [SDSFIE V1.4]
COMPO	Composolite [SDSFIE V2 Tinker Air Force Base]
COMPOSOLITE	Composolite [SDSFIE V2 Tinker Air Force Base]
CONCRETBLOCK	concrete block [SDSFIE V1.4]
CONCRETE	concrete [SDSFIE V1.4]
CONCRETEPILE	concrete pile [SDSFIE V1.4]
CONCRT_AND_STEEL	Concrete and Steel. [SDSFIE V2.31 Air Force]
CONCRT_AND_WOOD	Concrete and Wood. [SDSFIE V2.31 Air Force]
COPPER	Copper [SDSFIE V1.4]
CORR_METAL	corrugated metal [SDSFIE V1.4]
CORR_STEEL	corrugated steel [SDSFIE V1.4]

CORRALBITMEN	corrugated Aluminum with bituminous coating [SDSFIE V1.4]
CORRALPAVINV	corrugated Aluminum with paved invert [SDSFIE V1.4]
CORRMETLBITM	corrugated metal with bituminous coating [SDSFIE V1.4]
CORRMETPAVIN	corrugated metal with paved invert [SDSFIE V1.4]
CORRSTELBITM	corrugated steel with bituminous coating [SDSFIE V1.4]
CORRSTELPAVI	corrugated steel with paved invert [SDSFIE V1.4]
CORRUGATEDAL	corrugated Aluminum [SDSFIE V1.4]
CRESOTEDWOOD	creosoted wood [SDSFIE V1.4]
DUCTILEFE	ductile iron [SDSFIE V1.4]
EARTHEN	earthen, dirt [SDSFIE V1.4]
FEPT_STEEL	FEP Teflon-lined steel. [SDSFIE V2]
FIBER	fiber [SDSFIE V1.4]
FIBERGLASS	fiberglass [SDSFIE V1.4]
FRP	Fiberglass reinforced polyester. [SDSFIE V2]
FRV	Fiberglass Reinforced Vinylester. [SDSFIE V2]
GALVANIZEDFE	galvanized iron [SDSFIE V1.4]
GALVNIZSTEEL	galvanized steel [SDSFIE V1.4]
GLASS	glass [SDSFIE V1.4]
GLASS_LINED	Glass-lined [SDSFIE V2]
GLASS_REIN_PLAS	Glass Reinforced Plastic [SDSFIE V2.2 S-57]
GLASSBLOCK	glass block [SDSFIE V1.4]
GRASS	grass [SDSFIE V1.4]
HARD_SURFACED	Hard Surfaced [SDSFIE V2.2 S-57]
HASTELLOY	Hastelloy [SDSFIE V2]
HDPE	High Density Polyethylene (HDPE) [SDSFIE V2]
HELIWOUND	helically wound [SDSFIE V1.4]
HIDES	hides [SDSFIE V1.4]
INCONEL	Inconel [SDSFIE V2]
INSULATCONCR	insulating concrete [SDSFIE V1.4]
KYN_STEEL	Kynar-lined steel. [SDSFIE V2]
LOGS	logs [SDSFIE V1.4]
LOOSE_BOULDERS	Loose Boulders [SDSFIE V2.2 S-57]
MASNRY_AND_STEEL	Masonry and Steel. [SDSFIE V2.31 Air Force]
MASONRY	MASONRY [SDSFIE V2.2 S-57]
MASONRY_AND_WOOD	Masonry and Wood. [SDSFIE V2.31 Air Force]
METAL	metal conduit [SDSFIE V1.4]
MONEL	Monel [SDSFIE V2]
MULTIPLECLAY	multiple clay [SDSFIE V1.4]
MULTIPLETILE	multiple tile [SDSFIE V1.4]
NICKEL	Nickel [SDSFIE V2]
OTHER	other [SDSFIE V1.4]
OTHERMASONRY	other [SDSFIE V1.4]
PAINTED	Painted [SDSFIE V2.2 S-57]
PFA	PFA Teflon-lined. [SDSFIE V2]
PLASTIC	plastic [SDSFIE V1.4]
POLYETHYLENE	polyethylene [SDSFIE V1.4]
POLYSTYRENE	polystyrene [SDSFIE V1.4]
PPE_STEEL	Polypropylene-lined steel. [SDSFIE V2]
PRECAST	precast [SDSFIE V1.4]
PRESTRESSED	prestressed [SDSFIE V1.4]
PTFE	PTFE Teflon-lined. [SDSFIE V2]
PVC	polyvinyl chloride [SDSFIE V1.4]
REINFORCONCR	reinforced concrete [SDSFIE V1.4]
REINFPLASMOR	reinforced plastic mortar [SDSFIE V1.4]
RUB_STEEL	Rubber-lined steel. [SDSFIE V2]
SARAN_LINED	Saran lined [SDSFIE V2]
SHEETMETAL	sheet metal [SDSFIE V1.4]
SINGLE_CLAY	single clay [SDSFIE V1.4]
SINGLE_TILE	single tile [SDSFIE V1.4]
SNOW	snow [SDSFIE V1.4]
STAINLESS_STEEL	Stainless steel [SDSFIE V2]
STEEL	steel [SDSFIE V1.4]
STEEL_AND_WOOD	Steel and Wood. [SDSFIE V2.31 Air Force]
STEEL_WRAPED	steel wrapped [SDSFIE V1.4]
STEELPILE	steel pile [SDSFIE V1.4]
STONE	stone [SDSFIE V1.4]
STYROFOAM	Styrofoam [SDSFIE V1.4]
TAN_STEEL	Tantalum-lined steel [SDSFIE V2]
TBD	to be determined [SDSFIE V1.4]

TERRACOTTA	terra cotta [SDSFIE V1.4]
TILE	tile [SDSFIE V1.4]
TILE_RESIN	tile resin [SDSFIE V1.4]
TITANIUM	Titanium [SDSFIE V2]
UNEARTHEN	Unearthen. [SDSFIE V2.4 USGS]
UNKNOWN	unknown [SDSFIE V1.4]
UNSURFACED	Unsurfaced [SDSFIE V2.2 S-57]
VITRIFIDCLAY	vitrified clay [SDSFIE V1.4]
WOOD	wood [SDSFIE V1.4]
WOODENPILE	wooden pile [SDSFIE V1.4]
WROUGHT_FE	wrought iron [SDSFIE V1.4]
ZIRCONIUM	Zirconium [SDSFIE V2]

CodePlacementOfAirPreType

Used by Attributes: Air Pressure Device - Placement

Value	Definition (Notes) [Source]
EXTENDED	Extended and not in or on cable sheath. [SDSFIE V2.5 AIR FORCE]
ON_BYPASS	On the bypass. [SDSFIE V2.5 AIR FORCE]
ON_CASE	On the case. [SDSFIE V2.5 AIR FORCE]
ON_SHEATH	On or in sheath. [SDSFIE V2.5 AIR FORCE]
ON_SLEEVE	On the lead sleeve. [SDSFIE V2.5 AIR FORCE]
ON_STUB	Located on a stub and not in or on the cable sheath. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodePoleClassificationType

Used by Attributes: Utility Pole Tower Site - P Class

Value	Definition (Notes) [Source]
CLASS_1	Class 1, MHBL 4500, Minimum Top Circumference 27 [SDSFIE V1.75]
CLASS_2	Class 2, MHBL 3700, Minimum Top Circumference 25 [SDSFIE V1.75]
CLASS_3	Class 3, MHBL 3000, Minimum Top Circumference 23 [SDSFIE V1.75]
CLASS_4	Class 4, MHBL 2400, Minimum Top Circumference 21 [SDSFIE V1.75]
CLASS_5	Class 5, MHBL 1900, Minimum Top Circumference 19 [SDSFIE V1.75]
CLASS_6	Class 6, MHBL 1500, Minimum Top Circumference 17 [SDSFIE V1.75]
CLASS_7	Class 7, MHBL 1200, Minimum Top Circumference 15 [SDSFIE V1.75]

CodePoleCondition

Used by Attributes: Fire Connection Point - Condition;Gate - Condition;Grease Trap - Condition;Junction - Condition;Pressure Reducing Station - Condition;Pump Booster Station - Condition;Pump Ejector Station - Condition;Pump Station - Condition;Pump Station - Condition;Pump Station - Condition;Pump Station - Condition;Pumpstation Ejector - Condition;Septic Tank - Condition;Storage Area - Condition;Telephone - Condition;Transformr Bank - Condition;Treatment Plant - Condition;Treatment Unit - Condition;Treatment Unit - Condition;Utility Pole Tower Site - Condition

Value	Definition (Notes) [Source]
BOARDEDUP	boarded up [SDSFIE V1.4]
BROKENNOUSE	broken and unusable [SDSFIE V1.4]
BURNTNOUSE	burnt and not useable [SDSFIE V1.4]
BURNTUSEABLE	burnt but useable [SDSFIE V1.4]
CONDEMNED	condemned [SDSFIE V1.4]
CRACKED	cracked but useable [SDSFIE V2.1 FGDC Utilities Classification]
DAMAGED	damaged [SDSFIE V1.4]
DAMAGEHEVUSE	heavily damage, but useable [SDSFIE V1.4]
DAMAGELITUSE	light damage, but useable [SDSFIE V1.4]
DAMAGEMODUSE	moderate damage, but useable [SDSFIE V1.4]

DAMAGHEVNO	heavy damage, and unusable [SDSFIE V1.4]
DAMAGLITNO	light damage, and unusable [SDSFIE V1.4]
DAMAGMODNO	moderate damage, and unusable [SDSFIE V1.4]
DANGEROUS	dangerous to use [SDSFIE V1.4]
FAIR	fair or medium condition [SDSFIE V1.4]
FAIRESTIMATED	Estimated in fair condition. [SDSFIE V2.31 Air Force]
GOOD	good condition [SDSFIE V1.4]
GOODESTIMATED	Estimated in good condition. [SDSFIE V2.31 Air Force]
GOODNOTNEW	good, but not new [SDSFIE V1.4]
HABITABLE	habitable [SDSFIE V1.4]
HABITABLENO	not habitable [SDSFIE V1.4]
MINORUSE	minor use [SDSFIE V1.4]
NEWLYBUILT	newly built [SDSFIE V1.4]
NEWUNFINISH	newly built, but not yet finished [SDSFIE V1.4]
NOTRESPASSNG	no trespassing [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
POOR	poor or unsuitable condition [SDSFIE V1.4]
POORESTIMATED	Estimated in poor condition. [SDSFIE V2.31 Air Force]
QUARANTINED	quarantined [SDSFIE V1.4]
RADIOACTIVE	radioactive [SDSFIE V1.4]
SERVICEABLE	Servicable
SPLINTER	splintered but useable [SDSFIE V2.1 FGDC Utilities Classification]
TBD	to be determined [SDSFIE V1.4]
UNDERCONSTRUCT	Planned or under construction. [SDSFIE V2.31 Air Force]
UNKNOWN	unknown [SDSFIE V1.4]
UNSERVICEABLE	Unserviceable or not a weight bearing surface. [SDSFIE V2.31 Air Force]
UNUSEABLE	unusable [SDSFIE V2.1 FGDC Utilities Classification]
USEABLE	useable [SDSFIE V1.4]
USEABLENO	not useable [SDSFIE V1.4]

CodePoleTreatmentType

Used by Attributes: Utility Pole Tower Site - Treat Type

Value	Definition (Notes) [Source]
CREOSOTE	The pole has been treated with creosote. [SDSFIE V1.6]
OTHER	Other, Not otherwise listed [SDSFIE V1.6]
PAINT	The pole has been painted to prevent corrosion. [SDSFIE V1.6]
TBD	To be determined [SDSFIE V1.6]
UNKNOWN	Unknown [SDSFIE V1.6]

CodePosAccuracyQuality

Used by Attributes: Transmission Pipeline Segment Line - Pos Acc

Value	Definition (Notes) [Source]
EXCELLENT	Excellent (0 to 50 feet). [SDSFIE V2.1 DOT - NPMS]
GOOD	Good (301 to 500 feet). [SDSFIE V2.1 DOT - NPMS]
POOR	Poor (501 to 1000 feet). [SDSFIE V2.1 DOT - NPMS]
UNKNOWN	Unknown [SDSFIE V2.1 DOT - NPMS]
VERY_GOOD	Very Good (51 to 300 feet). [SDSFIE V2.1 DOT - NPMS]

CodePowerUseType

Used by Attributes: Relay Station - Power

Value	Definition (Notes) [Source]
AC	Alternating Current [SDSFIE V2.3 Tinker Air Force Base]
DC	Direct Current [SDSFIE V2.3 Tinker Air Force Base]

CodeProgress

Used by Attributes: Access Coverage Area - collectionProgress;Access Point - collectionProgress;Air Pipe - collectionProgress;Air Pressure Device - collectionProgress;Amplifier - collectionProgress;Anchor - collectionProgress;Anode - collectionProgress;Anode - collectionProgress;Anode - collectionProgress;Anode Test Station - collectionProgress;Anode Test Station - collectionProgress;Anode Test Station - collectionProgress;Antenna Line - collectionProgress;Antenna Site - collectionProgress;Attenuator - collectionProgress;Bus Line - collectionProgress;Cable - collectionProgress;Cable Bridge Line - collectionProgress;Cable Ladder - collectionProgress;Cable Rack Line - collectionProgress;Cable Tray Line - collectionProgress;Cable Trough Line - collectionProgress;Capacitor - collectionProgress;Coaxial Line - collectionProgress;DbSplice - collectionProgress;Device - collectionProgress;Device - collectionProgress;Discharge Point - collectionProgress;Drain Separator - collectionProgress;Ductbank - collectionProgress;Ductbank - collectionProgress;Equipment - collectionProgress;Fiberoptic Line - collectionProgress;Fill Point - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Fitting - collectionProgress;Generator - collectionProgress;Grit Chamber - collectionProgress;Ground Point - collectionProgress;Ground Point - collectionProgress;Groundplane Area - collectionProgress;Groundwave Area - collectionProgress;Head Bolt Outlet - collectionProgress;Headwall - collectionProgress;Headwall Line - collectionProgress;Impedance Matching Point - collectionProgress;Inlet - collectionProgress;Internet Center - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Junction - collectionProgress;Lagoon - collectionProgress;Light - collectionProgress;Line - collectionProgress;Line Of Sight Line - collectionProgress;Load Capacitor - collectionProgress;Load Coil - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Marker - collectionProgress;Media Converter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Meter - collectionProgress;Motor - collectionProgress;Multihop Area - collectionProgress;Network Systems Site - collectionProgress;Neutralizer - collectionProgress;Oil Water Separator - collectionProgress;Other Cable - collectionProgress;Path Node Site - collectionProgress;Path Segment Line - collectionProgress;Pedestal - collectionProgress;Pedestal Site - collectionProgress;Pipe Line - collectionProgress;Pullbox Site - collectionProgress;Pump - collectionProgress;Pump - collectionProgress;Pump - collectionProgress;Pump Station - collectionProgress;Pumpstation Ejector - collectionProgress;Radar Site - collectionProgress;Radio - collectionProgress;Radio Receiver - collectionProgress;Radio Transmitter - collectionProgress;Rect Point - collectionProgress;Rectifier - collectionProgress;Rectifier - collectionProgress;Reducer - collectionProgress;Refinery Site - collectionProgress;Regulator - collectionProgress;Regulator - collectionProgress;Relay Station - collectionProgress;Repeater - collectionProgress;Riser - collectionProgress;Riser - collectionProgress;Satellite - collectionProgress;Segmented Cable - collectionProgress;Segmented Cable Point - collectionProgress;Sensor - collectionProgress;Service Loop Point - collectionProgress;Source - collectionProgress;Speaker - collectionProgress;Splice - collectionProgress;Splice - collectionProgress;Splitter - collectionProgress;Storage Area - collectionProgress;Substation - collectionProgress;Switch - collectionProgress;Tank - collectionProgress;Tank Area - collectionProgress;Telephone - collectionProgress;Telephone Booth - collectionProgress;Terminal - collectionProgress;Terminator - collectionProgress;Transformer Vault - collectionProgress;Transformr Bank - collectionProgress;Transmission Pipeline - collectionProgress;Transmission Pipeline Segment Line - collectionProgress;Treatment Plant - collectionProgress;Twisted Pair Line - collectionProgress;Utility Electric Utility Site - collectionProgress;Utility Pole Guy - collectionProgress;Utility Pole Guy Line - collectionProgress;Utility Pole Tower Site - collectionProgress;Valve - collectionProgress;Valve - collectionProgress;Valve - collectionProgress;Valve Pit - collectionProgress;Vertical Site - collectionProgress;Video Site - collectionProgress;Voice Switch - collectionProgress;Waveguide Line - collectionProgress

Value	Definition (Notes) [Source]
temp	temp

CodeProjectType

Used by Attributes: Access Coverage Area - Disposition;Access Point - Disposition;Air Eliminator - Disposition;Air Pipe - Disposition;Air Pressure Device - Disposition;Amplifier - Disposition;Anchor - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Anode Test Station - Disposition;Antenna Line - Disposition;Antenna Site - Disposition;Attenuator - Disposition;Bus Line - Disposition;Cable - Disposition;Cable - Disposition;Cable Bridge Line - Disposition;Cable Ladder - Disposition;Cable Rack Line - Disposition;Cable Tray Line - Disposition;Cable Trough Line - Disposition;Capacitor - Disposition;Coaxial Line - Disposition;Culvert Center Line - Disposition;Culvert End - Disposition;DbSplice - Disposition;Device - Disposition;Device - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Discharge Point - Disposition;Disposal Tank - Disposition;Downspout - Disposition;Downspout - Disposition;Drain Field - Disposition;Drain Separator - Disposition;Drainage Basin - Disposition;Drainage Basin - Disposition;Drainage Divide - Disposition;Drainage Divide Line - Disposition;Drinking Water Sample Point -

Disposition;Ductbank - Disposition;Ductbank - Disposition;Ductbank - Disposition;Equipment - Disposition;Farm Site - Disposition;Fiberoptic Line - Disposition;Fill Point - Disposition;Filter Strainer - Disposition;Filtration Bed - Disposition;Fire Connection Point - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Fitting - Disposition;Flow Control Device - Disposition;Flow Control Device - Disposition;Gate - Disposition;Generator - Disposition;Glycol Recovery Pit - Disposition;Grease Trap - Disposition;Grit Chamber - Disposition;Grit Chamber - Disposition;Ground Point - Disposition;Ground Point - Disposition;Groundplane Area - Disposition;Groundwave Area - Disposition;Head Bolt Outlet - Disposition;Headwall - Disposition;Headwall - Disposition;Headwall Line - Disposition;Headwall Line - Disposition;Hydrant - Disposition;Hydrant - Disposition;Impedance Matching Point - Disposition;Inlet - Disposition;Inlet - Disposition;Inlet - Disposition;Inlet - Disposition;Intake - Disposition;Intake Line - Disposition;Internet Center - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Junction - Disposition;Lagoon - Disposition;Lagoon - Disposition;Lift Station - Disposition;Light - Disposition;Light - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line - Disposition;Line Clean Out - Disposition;Line Of Sight Line - Disposition;Load Capacitor - Disposition;Load Coil - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Marker - Disposition;Media Converter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Meter - Disposition;Motor - Disposition;Multihop Area - Disposition;Network Systems Site - Disposition;Neutralizer - Disposition;Neutralizer - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator - Disposition;Oil Water Separator Diversion Vault - disposition;Open Drainage Area - Disposition;Open Drainage Line - Disposition;Other Cable - Disposition;Path Node Site - Disposition;Path Segment Line - Disposition;Pedestal - Disposition;Pedestal Site - Disposition;Pig Launch Point - Disposition;Pipe Line - Disposition;Plant Area - Disposition;Pressure Reducing Station - Disposition;Pullbox Site - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump - Disposition;Pump Booster Station - Disposition;Pump Ejector Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pump Station - Disposition;Pumpstation Ejector - Disposition;Radar Site - Disposition;Radio - Disposition;Radio Receiver - Disposition;Radio Transmitter - Disposition;Rect Point - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Rectifier - Disposition;Reducer - Disposition;Refinery Site - Disposition;Regulator - Disposition;Regulator - Disposition;Regulator Reducer - Disposition;Regulator Reducer - Disposition;Relay Station - Disposition;Repeater - Disposition;Reservoir - Disposition;Reservoir - Disposition;Reservoir - Disposition;Riser - Disposition;Riser - Disposition;Satellite - Disposition;Segmented Cable - Disposition;Segmented Cable Point - Disposition;Sensor - Disposition;Septic Tank - Disposition;Service Area - Disposition;Service Loop Point - Disposition;Sludge Bed - Disposition;Source - Disposition;Source - Disposition;Source Site - Disposition;Speaker - Disposition;Splice - Disposition;Splice - Disposition;Splitter - Disposition;Stilling Basin - Disposition;Storage Area - Disposition;Storm Ceptor - disposition;Storm Filter - disposition;Storm Trench Drain Line - disposition;Substation - Disposition;Switch - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank - Disposition;Tank Area - disposition;Telephone - Disposition;Telephone Booth - Disposition;Terminal - Disposition;Terminator - Disposition;Transformer Vault - Disposition;Transformr Bank - Disposition;Transmission Pipeline - Disposition;Transmission Pipeline Segment Line - Disposition;Treatment Plant - Disposition;Treatment Plant - Disposition;Treatment Plant - Disposition;Treatment Unit - Disposition;Treatment Unit - Disposition;Twisted Pair Line - Disposition;Utility Electric Utility Site - Disposition;Utility Pole Guy - Disposition;Utility Pole Guy Line - Disposition;Utility Pole Tower Site - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve - Disposition;Valve Pit - Disposition;Vault - Disposition;Vault - Disposition;Vault - disposition;Vent - Disposition;Vertical Site - Disposition;Video Site - Disposition;Voice Switch - Disposition;Waveguide Line - Disposition

Value	Definition (Notes) [Source]

CodePumpArea

Used by Attributes: Hydrant – Fire Pump Area

Value	Definition (Notes) [Source]
WHITE_AREA_MER_2	White Area MER 2 Fire Pump
RED_AREA_A_PIER	Red Area A Pier Fire Pump
YELLOW_AREA_B_PIER	Yellow Area B Pier Fire Pump
GREEN_AREA_E_PIER	Green Area E Pier Fire Pump
BLUE_AREA_HRLY_GARAGE	Blue Area Hourly Garage Pump
NA	Not applicable
UNKNOWN	Unknown

CodePumpSta

Used by Attributes: Pump Booster Station - Design;Capacitor - Install Type;Device - Install Type;Flow Control Device - Install Type;Meter - Install Type;Meter - Install Type;Meter - Install Type;Meter - Install Type;Meter - Install Type;Meter - Install Type;Regulator - Install Type;Flow Control Device - Installation Type;Pump Station - Sta Type;Pump Booster Station - Station Type

Value	Definition (Notes) [Source]
BOOSTER	booster station [SDSFIE V2.1 FGDC Utilities Classification]
DOUBLE_POLE	double pole [SDSFIE V2.1 FGDC Utilities Classification]
DOWN_GUY	A wire guy running from the top of a pole to an anchor in the ground. [SDSFIE V2.1 FGDC Utilities Classification]
EJECTOR	ejector system [SDSFIE V1.6]
FAUCET	faucet [SDSFIE V2.1 FGDC Utilities Classification]
HYDRANT	hydrant [SDSFIE V2.1 FGDC Utilities Classification]
METER	meter [SDSFIE V1.4]
OPEN_DRAINAGE	The channel is part of an unaltered drainage system [SDSFIE V2.1 FGDC Utilities Classification]
PARSHALL_FLUME	parshall flume meter [SDSFIE V1.4]
PAVED_DITCH	The channel has a concrete or other paved surface [SDSFIE V2.1 FGDC Utilities Classification]
POLE	pole [SDSFIE V2.1 FGDC Utilities Classification]
PRESS_REDUCE	pressure reducer station [SDSFIE V2.1 FGDC Utilities Classification]
PUMP	pump station [SDSFIE V2.1 FGDC Utilities Classification]
RISER_POLE	riser pole [SDSFIE V2.1 FGDC Utilities Classification]
SPAN_GUY	A wire guy running from the top of a pole to the top of the adjacent pole [SDSFIE V2.1 FGDC Utilities Classification]
SPRINKLER	sprinkler head [SDSFIE V2.1 FGDC Utilities Classification]
TBD	To Be Determined [SDSFIE V2.1]
TOWER	tower [SDSFIE V2.1 FGDC Utilities Classification]
UNKNOWN	Unknown [SDSFIE V2.1]
UNPAVED_DITCH	The channel has no constructed or prepared surface [SDSFIE V2.1 FGDC Utilities Classification]

CodeRadio

Used by Attributes: Radar Site - Rad Type;Relay Station - Rad Type

Value	Definition (Notes) [Source]
HF	High Frequency. [SDSFIE V2.3 Tinker Air Force Base]
LF	Low Frequency. [SDSFIE V2.3 Tinker Air Force Base]
UHF	Ultra High Frequency. [SDSFIE V2.3 Tinker Air Force Base]
VHF	Very High Frequency. [SDSFIE V2.3 Tinker Air Force Base]

CodeRadioType

Used by Attributes: Relay Station - Radio Type

Value	Definition (Notes) [Source]
BASE_STATION	Base Station Type. [SDSFIE V2.3 Tinker Air Force Base]
MOBILE	Mobile Type. [SDSFIE V2.3 Tinker Air Force Base]
PORTABLE	Portable Type. [SDSFIE V2.3 Tinker Air Force Base]
REPEATOR	Repeator Type. [SDSFIE V2.3 Tinker Air Force Base]

CodeReservoirType

Used by Attributes: Reservoir - Res Type;Reservoir - Res Type

Value	Definition (Notes) [Source]
CONSERVATION	The reservoir is used primarily for water conservation and storage. [SDSFIE V1.6]
FLOOD_CONTROL	The reservoir is used primarily for control of excessive rain fall to temporarily store excessive water. [SDSFIE V1.6]
LAGOON	lagoon [SDSFIE V1.4]
LAKE	lake [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
POND	pond [SDSFIE V1.4]
RECREATION	Recreation [SDSFIE V1.9 REEGIS]
TANK	tank [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeRockStrength

Used by Attributes: Marker - Rock Cnd

Value	Definition (Notes) [Source]
HIGH	high dry strength/toughness [SDSFIE V1.4]
LOW	low dry strength/toughness [SDSFIE V1.4]
MEDIUM	medium dry strength/toughness [SDSFIE V1.4]
NONE	very weak, no strength, probably should class as soil [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VERYHIGH	very high dry strength/toughness [SDSFIE V1.4]

CodeSewageTestType

Used by Attributes: Lagoon - Test Type;Lagoon - Test Type;Storage Area - Test Type

Value	Definition (Notes) [Source]
BOD	biological O2 dissolved [SDSFIE V1.4]
COD	chemical O2 dissolved [SDSFIE V1.4]
DO	dissolved O2 [SDSFIE V1.4]
FC	fecal coliform [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SS	suspended solids [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TC	total coliform bacteria [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeSheathInsulateType

Used by Attributes: Cable - Cbl Sht;Fiberoptic Line - Cbl Sht;Other Cable - Cbl Sht;Segmented Cable Point - Cbl Sht;Twisted Pair Line - Cbl Sht;Utility Pole Guy - Cbl Sht;Waveguide Line - Cbl Sht;Coaxial Line - Chl Sht;Anode Test Station - Install Type;Anode Test Station - Install Type;Anode Test Station - Install Type;Anode Test Station - Install Type;Anode Test Station - Install Type;Anode Test Station - installType;Cable - Insul Material

Value	Definition (Notes) [Source]
ALPETH	Aluminum Polyethylene [SDSFIE V2 Austin and Pitts]
ARP	Aluminum Rodent Protected Polyethylene [SDSFIE V2 Austin and Pitts]
ASBEST_SIL	asbestos-silicone bond [SDSFIE V1.4]
ASBESTOS	asbestos [SDSFIE V1.4]
AT	Aerial Tape Armor [SDSFIE V2 Austin and Pitts]
BT	Buried Tape Armor [SDSFIE V2 Austin and Pitts]
CAMBRIC_PB_COV	varnished cambric, Pb covered [SDSFIE V1.4]
CELLULOSE	cellulose-acetate fiber [SDSFIE V1.4]
COTTON_YARN	cotton yarn [SDSFIE V1.4]

CP	Corrosion Protection [SDSFIE V2 Austin and Pitts]
CPNM	Cross Ply Non Metallic [SDSFIE V2 Austin and Pitts]
DA	Double Wire Armor [SDSFIE V2 Austin and Pitts]
DJ	Jacketed Double Wire Armor [SDSFIE V2 Austin and Pitts]
DOUBLE_TAPE	double tape armored [SDSFIE V1.4]
F_FILLED	Foam Filled. [SDSFIE V2.5 AIR FORCE]
FIBER_PAPER	polyimide fiber paper [SDSFIE V1.4]
GLASS_FIBER	glass fiber-organic bond [SDSFIE V1.4]
GLASS_ORGANIC	glass/polyesterfib-organic bond [SDSFIE V1.4]
GLASS_SILICONE	glass/polyesterfib-silicone bond [SDSFIE V1.4]
GT	Gopher Tape Armor [SDSFIE V2 Austin and Pitts]
JP	Jute Protection [SDSFIE V2 Austin and Pitts]
JUTE	jute protected [SDSFIE V1.4]
KP	Kevlar Polyethylene [SDSFIE V2 Austin and Pitts]
KPSP	Kevlar Polyethylene Corrugated Steel [SDSFIE V2 Austin and Pitts]
LA	Light Armor [SDSFIE V2 Austin and Pitts]
LJ	Jacketed Light Wire Armor [SDSFIE V2 Austin and Pitts]
MG	Modified Gopher Tape Armor [SDSFIE V2 Austin and Pitts]
MP	Mechanical Protection [SDSFIE V2 Austin and Pitts]
NEOPRENE	neoprene [SDSFIE V1.4]
NONE	No outer sheath protection [SDSFIE V2 Austin and Pitts]
OPEN_WIRE	open wire [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PAP	Polyethylene Fused Aluminum [SDSFIE V2 Austin and Pitts]
PAPER	paper [SDSFIE V1.4]
PAPER_PB_COV	paper insulated Pb covered [SDSFIE V1.4]
PB_ARMOR	Pb armored [SDSFIE V1.4]
PB_COVER	Pb covered [SDSFIE V1.4]
PLASTIC_CLAD	plastic clad [SDSFIE V1.4]
PLASTIC_FOAM	Plastic, Foam Filled. [SDSFIE V2.5 AIR FORCE]
PLASTIC_GEL	plastic, gel-filled [SDSFIE V1.4]
POLY_CROSS	polyethylene (XLPE), cross-linked [SDSFIE V1.4]
POLY_FOAM	polyethylene (PE), foamed [SDSFIE V1.4]
PPP	polypropylene (PPP) [SDSFIE V1.4]
PVC	polyvinyl chloride [SDSFIE V1.4]
QUAD_TAPE	quad tape, armored [SDSFIE V1.4]
RPS	Rodent Protection Shield Polyethylene [SDSFIE V2 Austin and Pitts]
RUBBER_BUT	rubber-butyl [SDSFIE V1.4]
RUBBER_EPT	rubber-EPT [SDSFIE V1.4]
RUBBER_NBR	rubber-NBR [SDSFIE V1.4]
SA	Single Wire Armor [SDSFIE V2 Austin and Pitts]
SHIELDED	shielded [SDSFIE V1.4]
SJ	Jacketed Single Wire Armor [SDSFIE V2 Austin and Pitts]
SUBDA	Submarine Double Wire Armor [SDSFIE V2 Austin and Pitts]
SUBDJ	Submarine Jacketed Double Wire Armor [SDSFIE V2 Austin and Pitts]
TAPE_ARMOR	tape armored [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TFE	polytetrafluroethylene (TFE) [SDSFIE V1.4]
UM	Unsoldered Mechanical Protection [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
WEATHERPROOF	weatherproofed [SDSFIE V1.4]
WIRE_ARMOR	single wire, armored [SDSFIE V1.4]

CodeShoreBufferType

Used by Attributes: Segmented Cable Point - Buffer Type

Value	Definition (Notes) [Source]
CRITICAL_AREA	The area that is 1000 feet landward of the mean high tide coastline and any tidal waterways. [SDSFIE V1.75]
NO_BUILD_ZONE	The area that is 100 feet landward of the mean high tide coastline and any tidal waterways. [SDSFIE V1.75]

CodeSoilConsistency

Used by Attributes: Lagoon - Soil Cdn;Lagoon - Soil Cdn;Marker - Soil Cnd

Value	Definition (Notes) [Source]
FIRM	firm [SDSFIE V1.4]
HARD	hard [SDSFIE V1.4]
MEDIUMFIRM	medium firm [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SOFT	soft [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VERYHARD	very hard [SDSFIE V1.4]
VERYSOFT	very soft [SDSFIE V1.4]

CodeSoilsErosionK

Used by Attributes: Lagoon - Soil Ero;Lagoon - Soil Ero

Value	Definition (Notes) [Source]
0.02	0.02 [SDSFIE V1.7 FGDC Soils Classification]
0.05	0.05 [SDSFIE V1.7 FGDC Soils Classification]
0.10	0.10 [SDSFIE V1.7 FGDC Soils Classification]
0.17	0.17 [SDSFIE V1.7 FGDC Soils Classification]
0.20	0.20 [SDSFIE V1.7 FGDC Soils Classification]
0.24	0.24 [SDSFIE V1.7 FGDC Soils Classification]
0.28	0.28 [SDSFIE V1.7 FGDC Soils Classification]
0.32	0.32 [SDSFIE V1.7 FGDC Soils Classification]
0.37	0.37 [SDSFIE V1.7 FGDC Soils Classification]
0.43	0.43 [SDSFIE V1.7 FGDC Soils Classification]
0.49	0.49 [SDSFIE V1.7 FGDC Soils Classification]
0.55	0.55 [SDSFIE V1.7 FGDC Soils Classification]
0.64_OR_MORE	0.64 or more [SDSFIE V1.7 FGDC Soils Classification]
0_02	0.02 [SDSFIE V1.4 FGDC Soils Classification]
0_05	0.05 [SDSFIE V1.4 FGDC Soils Classification]
0_10	0.10 [SDSFIE V1.4 FGDC Soils Classification]
0_15	0.15 [SDSFIE V1.8 FGDC Soils Classification]
0_17	0.17 [SDSFIE V1.4 FGDC Soils Classification]
0_20	0.20 [SDSFIE V1.4 FGDC Soils Classification]
0_24	0.24 [SDSFIE V1.4 FGDC Soils Classification]
0_28	0.28 [SDSFIE V1.4 FGDC Soils Classification]
0_32	0.32 [SDSFIE V1.4 FGDC Soils Classification]
0_37	0.37 [SDSFIE V1.4 FGDC Soils Classification]
0_43	0.43 [SDSFIE V1.4 FGDC Soils Classification]
0_49	0.49 [SDSFIE V1.4 FGDC Soils Classification]
0_55	0.55 [SDSFIE V1.4 FGDC Soils Classification]
0_64_OR_MORE	0.64 or more [SDSFIE V1.4 FGDC Soils Classification]
TBD	to be determined [SDSFIE V1.4 FGDC Soils Classification]
UNKNOWN	unknown [SDSFIE V1.4 FGDC Soils Classification]

CodeSoilsFamily

Used by Attributes: Lagoon - Soil Fam;Lagoon - Soil Fam

Value	Definition (Notes) [Source]
ALTAVISTA	fine-loamy, mixed, thermic Aquic Hapludults [SDSFIE V1.4]
AUTRYVILLE	loamy, siliceous, thermic Arenic Paleudults [SDSFIE V1.4]
AYCOCK	fine-silty, siliceous, thermic Typic Paleudults [SDSFIE V1.4]
BLANEY	loamy, siliceous, thermic Arenic Hapludults [SDSFIE V1.4]
BRAGG	fine-loamy, siliceous, acid, thermic Typic Udorthents [SDSFIE V1.4]
BUTTERS	coarse-loamy, siliceous, thermic Typic Paleudults [SDSFIE V1.4]
BYARS	clayey, kaolinitic, thermic Umbric Paleaquults [SDSFIE V1.4]
CANDOR	sandy, siliceous, thermic Arenic Paleudults [SDSFIE V1.4]

CAPEFEAR	clayey, mixed, thermic Typic Umbraquults [SDSFIE V1.4]
CHEWACLA	fine-loamy, mixed, thermic Fluvaquentic Dystrochrepts [SDSFIE V1.4]
COXVILLE	clayey, kaolinitic, thermic Typic Paleaquults [SDSFIE V1.4]
CRAVEN	clayey, mixed, thermic Aquic Hapludults [SDSFIE V1.4]
CROATAN	loamy, siliceous, dysic, thermic Terric Medisaprists [SDSFIE V1.4]
DELOSS	fine-loamy, mixed, thermic Typic Umbraquults [SDSFIE V1.4]
DOGUE	clayey, mixed, thermic Aquic Hapludults [SDSFIE V1.4]
DOTHAN	fine-loamy, siliceous, thermic Plinthic Paleudults [SDSFIE V1.4]
DUNBAR	clayey, kaolinitic, thermic Aeric Paleaquults [SDSFIE V1.4]
DUPLIN	clayey, kaolinitic, thermic Aquic Paleudults [SDSFIE V1.4]
DYSTROCHREPT	loamy, thermic Dystrochrepts [SDSFIE V1.4]
EXUM	fine-silty, siliceous, thermic Aquic Paleudults [SDSFIE V1.4]
FACEVILLE	clayey, kaolinitic, thermic Typic Paleudults [SDSFIE V1.4]
FUQUAY	loamy, siliceous, thermic Arenic Plinthic Paleudults [SDSFIE V1.4]
GILEAD	clayey, kaolinitic, thermic Aquic Hapludults [SDSFIE V1.4]
GOLDSBORO	fine-loamy, siliceous, thermic Aquic Paleudults [SDSFIE V1.4]
GRANTHAM	fine-silty, siliceous, thermic Typic Paleaquults [SDSFIE V1.4]
JOHNSTON	coarse-loamy, siliceous, acid, thermic Cumulic Humaquepts [SDSFIE V1.4]
KALMIA	fine-loamy over sandy or sandy skeletal, siliceous, thermic Typic Hapludults [SDSFIE V1.4]
KENANSVILLE	loamy, siliceous, thermic Arenic Hapludults [SDSFIE V1.4]
KUREB	thermic, uncoated Spodic Quartzipsamments [SDSFIE V1.4]
LAKELAND	thermic, coated Typic Quartzipsamments [SDSFIE V1.4]
LENOIR	clayey, mixed, thermic Aeric Paleaquults [SDSFIE V1.4]
LEON	sandy, siliceous, thermic Aeric Haplaquods [SDSFIE V1.4]
LYNCHBURG	fine-loamy, siliceous, thermic Aeric Paleaquults [SDSFIE V1.4]
LYNNHAVEN	sandy, siliceous, thermic Typic Haplaquods [SDSFIE V1.4]
MCCOLL	clayey, kaolinitic, thermic Typic Fragiaquults [SDSFIE V1.4]
NAHUNTA	fine-silty, siliceous, thermic Aeric Paleaquults [SDSFIE V1.4]
NORFOLK	fine-loamy, siliceous, thermic Typic Paleudults [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PACTOLUS	thermic, coated Aquic Quartzipsamments [SDSFIE V1.4]
PANTEGO	fine-loamy, siliceous, thermic Umbric Paleaquults [SDSFIE V1.4]
RAINS	fine-loamy, siliceous, thermic Typic Paleaquults [SDSFIE V1.4]
ROANOKE	clayey, mixed, thermic Typic Ochraquults [SDSFIE V1.4]
STALLINGS	coarse-loamy, siliceous, thermic Aeric Paleaquults [SDSFIE V1.4]
TARBORO	mixed, thermic Typic Udipsamments [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TORHUNTA	coarse-loamy, siliceous, acid, thermic Typic Humaquepts [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VAUCLUSE	fine-loamy, siliceous, thermic Typic Hapludults [SDSFIE V1.4]
WAGRAM	loamy, siliceous, thermic Arenic Paleudults [SDSFIE V1.4]
WAHEE	clayey, mixed, thermic Aeric Ochraquults [SDSFIE V1.4]
WICKHAM	fine-loamy, mixed, thermic Typic Hapludults [SDSFIE V1.4]
WOODINGTON	coarse-loamy, siliceous, thermic Typic Paleaqults [SDSFIE V1.4]

CodeSoilsTexture

Used by Attributes: Lagoon - Soil Tex;Lagoon - Soil Tex

Value	Definition (Notes) [Source]
ASHY	Ashy [SDSFIE V1.8 FGDC Soils Classification]
BOLDGRAVEL	boulder gravel [SDSFIE V1.4]
BY	Bouldery [SDSFIE V1.8 FGDC Soils Classification]
BYV	Very bouldery [SDSFIE V1.8 FGDC Soils Classification]
BYX	Extremely bouldery [SDSFIE V1.8 FGDC Soils Classification]
C/SS	Clay/Sand with Stone. [SDSFIE V2.4 Army]
CB	Cobbly [SDSFIE V1.8 FGDC Soils Classification]
CBV	Very cobbly [SDSFIE V1.8 FGDC Soils Classification]
CBX	Extremely cobbly [SDSFIE V1.8 FGDC Soils Classification]
CLAY	clay [SDSFIE V1.4 FGDC Soils Classification]
CLAYLOAM	clay loam [SDSFIE V1.4 FGDC Soils Classification]
CN	Channery [SDSFIE V1.8 FGDC Soils Classification]
CNV	Very channery [SDSFIE V1.8 FGDC Soils Classification]
CNX	Extremely channery [SDSFIE V1.8 FGDC Soils Classification]
COARSANDYLOM	course sandy loam [SDSFIE V1.4 FGDC Soils Classification]
COARSESAND	coarse sand [SDSFIE V1.4 FGDC Soils Classification]
COARSESILT	coarse silt [SDSFIE V1.4]

COP	Coprogenous [SDSFIE V1.8 FGDC Soils Classification]
CORSCOBLGRAV	coarse cobble gravel [SDSFIE V1.4]
CORSPBLGRAVL	coarse pebble gravel [SDSFIE V1.4]
CS/CS	Clay-Sand/Clay-Silt. [SDSFIE V2.4 Army]
DIA	Diatomaceous [SDSFIE V1.8 FGDC Soils Classification]
FINCOBLGRAV	fine cobble gravel [SDSFIE V1.4]
FINEPBLGRAVL	fine pebble gravel [SDSFIE V1.4]
FINESAND	fine sand [SDSFIE V1.4 FGDC Soils Classification]
FINESANDYLOM	fine sandy loam [SDSFIE V1.4 FGDC Soils Classification]
FINESILT	fine silt [SDSFIE V1.4]
FL	Flaggy [SDSFIE V1.8 FGDC Soils Classification]
FLV	Very flaggy [SDSFIE V1.8 FGDC Soils Classification]
FLX	Extremely flaggy [SDSFIE V1.8 FGDC Soils Classification]
G/GS	Gravel/Gravel-Sand. [SDSFIE V2.4 Army]
GR	Gravelly [SDSFIE V1.8 FGDC Soils Classification]
GRAVEL	gravel [SDSFIE V1.4]
GRC	Coarse gravelly [SDSFIE V1.8 FGDC Soils Classification]
GRF	Fine gravelly [SDSFIE V1.8 FGDC Soils Classification]
GRM	Medium gravelly [SDSFIE V1.8 FGDC Soils Classification]
GRV	Very gravelly [SDSFIE V1.8 FGDC Soils Classification]
GRX	Extremely gravelly [SDSFIE V1.8 FGDC Soils Classification]
GS	Grassy [SDSFIE V1.8 FGDC Soils Classification]
GYP	Gypsiferous [SDSFIE V1.8 FGDC Soils Classification]
HB	Herbaceous [SDSFIE V1.8 FGDC Soils Classification]
HYDR	Hydrous [SDSFIE V1.8 FGDC Soils Classification]
LOAM	loam [SDSFIE V1.4 FGDC Soils Classification]
LOAMCOARSAND	loamy course sand [SDSFIE V1.4 FGDC Soils Classification]
LOAMFINESAND	loamy fine sand [SDSFIE V1.4 FGDC Soils Classification]
LS	loamy sand [SDSFIE V1.8 FGDC Soils Classification]
LVFS	loamy very fine sand [SDSFIE V1.8 FGDC Soils Classification]
MEDCOBLGRAVL	medium cobble gravel [SDSFIE V1.4]
MEDIUMSAND	medium sand [SDSFIE V1.4]
MEDIUMSILT	medium silt [SDSFIE V1.4]
MEDL	Medial [SDSFIE V1.8 FGDC Soils Classification]
MEDPEBLGRAVL	medium pebble gravel [SDSFIE V1.4]
MK	Mucky [SDSFIE V1.8 FGDC Soils Classification]
MR	Marly [SDSFIE V1.8 FGDC Soils Classification]
MS	Mossy [SDSFIE V1.8 FGDC Soils Classification]
OTHER	other [SDSFIE V1.4]
PBY	Parabouldery [SDSFIE V1.8 FGDC Soils Classification]
PBYV	Very parabouldery [SDSFIE V1.8 FGDC Soils Classification]
PBYX	Extremely parabouldery [SDSFIE V1.8 FGDC Soils Classification]
PCB	Paracobbly [SDSFIE V1.8 FGDC Soils Classification]
PCBV	Very paracobbly [SDSFIE V1.8 FGDC Soils Classification]
PCBX	Extremely paracobbly [SDSFIE V1.8 FGDC Soils Classification]
PCN	Parachannery [SDSFIE V1.8 FGDC Soils Classification]
PCNV	Very parachannery [SDSFIE V1.8 FGDC Soils Classification]
PCNX	Extremely parachannery [SDSFIE V1.8 FGDC Soils Classification]
PERMAFROST	permafrost [SDSFIE V1.4]
PF	Permanently frozen [SDSFIE V1.8 FGDC Soils Classification]
PFL	Paraflaggy [SDSFIE V1.8 FGDC Soils Classification]
PFLV	Very paraflaggy [SDSFIE V1.8 FGDC Soils Classification]
PFLX	Extremely paraflaggy [SDSFIE V1.8 FGDC Soils Classification]
PGR	Paragravelly [SDSFIE V1.8 FGDC Soils Classification]
PGRV	Very paragravelly [SDSFIE V1.8 FGDC Soils Classification]
PGRX	Extremely paragravelly [SDSFIE V1.8 FGDC Soils Classification]
PST	Parastony [SDSFIE V1.8 FGDC Soils Classification]
PSTV	Very parastony [SDSFIE V1.8 FGDC Soils Classification]
PSTX	Extremely parastony [SDSFIE V1.8 FGDC Soils Classification]
PT	Peaty [SDSFIE V1.8 FGDC Soils Classification]
ROCK	Rock. [SDSFIE V2.4 Army]
S	sand [SDSFIE V1.8 FGDC Soils Classification]
S/GS	Sand/Gravel Sand. [SDSFIE V2.4 Army]
S/SC	Silt/Silty-Clay. [SDSFIE V2.4 Army]
SANDYCLAY	sandy clay [SDSFIE V1.4 FGDC Soils Classification]
SANDYCLAYLOM	sandy clay loam [SDSFIE V1.4 FGDC Soils Classification]
SANDYLOAM	sandy loam [SDSFIE V1.4 FGDC Soils Classification]
SI	silt [SDSFIE V1.8 FGDC Soils Classification]
SILTYCLAY	silty clay [SDSFIE V1.4 FGDC Soils Classification]

SILTYLOAM	silty loam [SDSFIE V1.4 FGDC Soils Classification]
SLITYCLAYLOM	silty clay loam [SDSFIE V1.4 FGDC Soils Classification]
SR	Stratified [SDSFIE V1.8 FGDC Soils Classification]
SS/SC	Sand-Silt/Sand-Clay. [SDSFIE V2.4 Army]
ST	Stony [SDSFIE V1.8 FGDC Soils Classification]
STONES	stones [SDSFIE V1.4]
STV	Very stony [SDSFIE V1.8 FGDC Soils Classification]
STX	Extremely stony [SDSFIE V1.8 FGDC Soils Classification]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
VERYCOARSAND	very coarse sand [SDSFIE V1.4]
VERYFINESAND	very fine sand [SDSFIE V1.4 FGDC Soils Classification]
VERYFINESILT	very fine silt [SDSFIE V1.4]
VRYCRSPBGRVL	very coarse pebble gravel [SDSFIE V1.4]
VRYFINPBLGRV	very fine pebble gravel [SDSFIE V1.4]
VRYFINSANLOM	very fine sandy loam [SDSFIE V1.4 FGDC Soils Classification]
WD	Woody [SDSFIE V1.8 FGDC Soils Classification]

CodeSourceListFuelGas

Used by Attributes: Pump Booster Station - Fuel Source;Fill Point - Source;Line - Source;Meter - Source;Pump Station - Source

Value	Definition (Notes) [Source]
ARROYO	arroyo/draw/wash [SDSFIE V1.4]
ARTISAN_WELL	artisan well [SDSFIE V1.4]
BAYOU	bayou [SDSFIE V1.4]
CREEK	creek [SDSFIE V1.4]
DEEPWELL	deep well [SDSFIE V1.4]
DRY_PLAYA	dry playa [SDSFIE V1.4]
FUMAROLE	fumarole [SDSFIE V1.8 USGS]
GEOTHERMAL	geothermal well [SDSFIE V1.8 USGS]
GEYSER	geyser [SDSFIE V1.4]
GLACIER	glacier [SDSFIE V1.4]
GULF	gulf [SDSFIE V1.4]
HAIL	hail [SDSFIE V1.4]
ICEBERG	iceberg [SDSFIE V1.4]
LAKE	lake [SDSFIE V1.4]
MUD_POT	mud pot [SDSFIE V1.8 USGS]
OCEAN	ocean [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
POND	pond [SDSFIE V1.4]
RAINFALL	rainfall [SDSFIE V1.4]
RESERVOIR	reservoir [SDSFIE V1.4]
RIME	hoarfrost, dew, condensed fog [SDSFIE V1.4]
RIVER	river [SDSFIE V1.4]
RUNOFF	runoff [SDSFIE V1.4]
SLEET	sleet [SDSFIE V1.4]
SLOUGH	slough [SDSFIE V1.4]
SNOWFALL	snowfall [SDSFIE V1.4]
SPRING	spring [SDSFIE V1.4]
STREAM	stream [SDSFIE V1.4]
SWAMP	swamp [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
WET_PLAYA	wet playa [SDSFIE V1.4]

CodeSpeakerImpedance

Used by Attributes: Speaker - Spkimp

Value	Definition (Notes) [Source]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]

UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
VARIABLE	Variable (selectable). [SDSFIE V2.5 AIR FORCE]

CodeSplice

Used by Attributes: Splice - Spl Type

Value	Definition (Notes) [Source]
DROP_INSERT	DROP INSERT SPLICE [SDSFIE V2 Air Force]
HALFTAP_FOLDBACK	Halftap fold back splice. [SDSFIE V2 AIR FORCE]
HALFTAP_INLINE	halftap inline splice [SDSFIE V2]
JUNCTION_FOLDBAC	Junction fold back splice. [SDSFIE V2.5 AIR FORCE]
JUNCTION_INLINE	junction inline splice [SDSFIE V2]
LOAD_FOLDBACK	Load fold back splice. [SDSFIE V2.5 AIR FORCE]
LOAD_INLINE	load inline splice [SDSFIE V2]
MULTIPLE_INLINE	Multiple inline splice. [SDSFIE V2.5 AIR FORCE]
MULTIPLEFOLDBACK	Multiple fold back splice. [SDSFIE V2.5 AIR FORCE]
STRAIGHT_INLINE	straight inline splice [SDSFIE V2]
STRAIGHTFOLDBACK	Straight inline splice. [SDSFIE V2.5 AIR FORCE]

CodeSpliceCaseEncapsulate

Used by Attributes: DbSplice - Ecs Type;Splice - Ecs Type

Value	Definition (Notes) [Source]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
RE	Reenterable compound. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeSpliceCaseMat

Used by Attributes: DbSplice - Cas Material;Splice - Cas Material

Value	Definition (Notes) [Source]
AL	Aluminum [SDSFIE V2 Austin and Pitts]
EVA	Ethylene Vinyl Acetate (Heat Shrinkable Tubing). [SDSFIE V2.5 AIR FORCE]
FIBER	Fiberglass [SDSFIE V2 Austin and Pitts]
IRON	Cast Iron [SDSFIE V2 Austin and Pitts]
LEAD	Lead [SDSFIE V2 Austin and Pitts]
OTHER	Other [SDSFIE V2]
PE	Polyethylene. [SDSFIE V2.5 AIR FORCE]
PP	Polypropylene. [SDSFIE V2.5 AIR FORCE]
PVC	Polyvinyl Chloride [SDSFIE V2 Austin and Pitts]
SS	Stainless Steel [SDSFIE V2 Austin and Pitts]
TBD	To Be Determined [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown [SDSFIE V2]

CodeSpliceCaseTyp

Used by Attributes: DbSplice - Cas Type;Splice - Cas Type

Value	Definition (Notes) [Source]
12_5SS	12.5 Inch Stainless Steel. [SDSFIE V2.5 AIR FORCE]
2_TYPE	3 Type. [SDSFIE V2.5 AIR FORCE]
3BB	4 Inch Better Buried. [SDSFIE V2.5 AIR FORCE]
3RS	4 Inch ReddiSeal. [SDSFIE V2.5 AIR FORCE]
3SS	4 Inch Stainless Steel. [SDSFIE V2.5 AIR FORCE]

4BB	5 Inch Better Buried. [SDSFIE V2.5 AIR FORCE]
4RS	5 Inch ReddiSeal. [SDSFIE V2.5 AIR FORCE]
4SS	5 Inch Stainless Steel. [SDSFIE V2.5 AIR FORCE]
6_5BB	6.5 Inch Better Buried. [SDSFIE V2.5 AIR FORCE]
6_5RE	6.5 Inch ReddiSeal. [SDSFIE V2.5 AIR FORCE]
6_5SS	6.5 Inch Stainless Steel. [SDSFIE V2.5 AIR FORCE]
9_5BB	9.5 Inch Better Buried. [SDSFIE V2.5 AIR FORCE]
9_5RS	9.5 Inch ReddiSeal. [SDSFIE V2.5 AIR FORCE]
9_5SS	9.5 Inch Stainless Steel. [SDSFIE V2.5 AIR FORCE]
FOSC_100_B_H	Raychem FOSC-100 B/H [SDSFIE V2 Austin and Pitts]
HS	Heat Shrinkable. [SDSFIE V2.5 AIR FORCE]
KBV	K and B Vault. [SDSFIE V2.5 AIR FORCE]
LEAD	Lead Tube. [SDSFIE V2.5 AIR FORCE]
OTHER	Other [SDSFIE V2]
READY_ACCESS	Ready Access Aerial Terminal. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined [SDSFIE V2]
UC_6_9	Siemens UC 6-9 [SDSFIE V2 Austin and Pitts]
UCN_7_10	Siemens UCN 7-10 [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown [SDSFIE V2]

CodeSpliceMethod

Used by Attributes: Splice - Method

Value	Definition (Notes) [Source]
AMP	Amp [SDSFIE V2 Austin and Pitts]
B	B-connectors [SDSFIE V2 Austin and Pitts]
ELAST	Elastomeric Fiber Splice [SDSFIE V2 Austin and Pitts]
FACTORY	Factory Splice [SDSFIE V2 Austin and Pitts]
FUSION	Fusion Fiber Splice [SDSFIE V2 Austin and Pitts]
M	Modular [SDSFIE V2 Austin and Pitts]
MECH	Other Mechanical [SDSFIE V2 Austin and Pitts]
OTHER	Other [SDSFIE V2 Austin and Pitts]
ROTARY	Rotary Fiber Splice [SDSFIE V2 Austin and Pitts]
SL	Scotch Locks (Copper) [SDSFIE V2 Austin and Pitts]
TBD	To Be Determined [SDSFIE V2]
TS	Twist and Solder or Sleeve [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown [SDSFIE V2]

CodeSplitterType

Used by Attributes: Splitter - Splt Type

Value	Definition (Notes) [Source]
2_WAY	2 Way Splitter [SDSFIE V2 Tinker Air Force Base]
3_WAY	3 Way Splitter [SDSFIE V2 Tinker Air Force Base]
4_WAY	4 Way Splitter [SDSFIE V2 Tinker Air Force Base]
5_WAY	5 Way Splitter [SDSFIE V2 Tinker Air Force Base]
6_WAY	6 Way Splitter [SDSFIE V2 Tinker Air Force Base]

CodeStatus

Used by Attributes: Junction - Status;Telephone - Status

Value	Definition (Notes) [Source]
ABANDONED	Abandoned
ACTIVE	Active surface
AIRSPACED	A favorable airspace determination has been issued
AS_BUILT	As-Built
BROKEN	Broken or rough surface
CLOSED	Closed surface

CONDEMNED	Condemned
DEMOLISHED	Demolished
ENV_CLEARED	All required environmental actions and documentation described in FAAO 5050.4 National Environmental Policy Act (NEPA) have been satisfied
FAILED_AID	Failure or irregular operation of visual aides
INACTIVE	Inactive
LIMITED	Limited operations]
LONG_TERM	Indicates the feature is part of a long term (11 + years) plan
MEDIUM_TERM	Indicates the feature is part of a midterm (6 - 10 year) plan
NON_OPERATIONAL	Non-operational
OCCUPIED	Occupied
OPERATIONAL	Operational (fully)
OTHER	Other
PARKED	Parked or disabled aircraft
PERMANENT	Permanent
PORTABLE	Portable
RELEASED	Used to track land released by the airport
S_POWER	Secondary power supply in operation
SEMI_PERMANENT	Semi_Permanent
SHORT_TERM	Indicates the feature is part of a short term (0 - 5 year) plan
TBD	To be determined
TEMPORARY	Temporary
TERMINATED	Terminated no longer used
UNDER_CONSTRUCTION	Planned or under construction
UNKNOWN	Unknown
UNOCCUPIED	Unoccupied
WORK_IN_PROGRESS	Construction or work in progress
PROPOSED	Planned to be installed
REMOVED	Removed from location, though pipes may still be present
BURIED	Partially or completely covered by soil
INCOMPLETE	Partially disassembled

CodeStatusElectricSwitch

Used by Attributes: Switch - Swt Sta

Value	Definition (Notes) [Source]
CLOSED	closed [SDSFIE V1.4]
CLOSEDCLOSED	closed - normally closed [SDSFIE V1.4]
CLOSEDOPEN	closed - normally open [SDSFIE V1.4]
OPEN	open [SDSFIE V1.4]
OPENCLOSED	open - normally closed [SDSFIE V1.4]
OPENOPEN	open - normally open [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeStyleDrainField

Used by Attributes: Septic Tank - Drnfl St;Grease Trap - Field Drain Style

Value	Definition (Notes) [Source]
FAN	fan drain field [SDSFIE V1.4]
NETWORK	network drain field [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
SEEP_PIT	seepage pit [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TILE	tile field [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeStyleGates

Used by Attributes: Gate - Gate St

Value	Definition (Notes) [Source]
FLAP	flap gate [SDSFIE V1.4]
LIFT	lift gate [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeStyleOpenChannel

Used by Attributes: Open Drainage Line - Chan St

Value	Definition (Notes) [Source]
CANALCMPLSEC	canal complex section [SDSFIE V1.4]
CANALTRPZSEC	canal trapezoidal section [SDSFIE V1.4]
LAKE	lake [SDSFIE V1.4]
OPENDRAINAGE	open drainage [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
PAVEDDITCH	paved ditch [SDSFIE V1.4]
PAVEDINVRTDR	paved invert drain [SDSFIE V1.4]
POND	pond [SDSFIE V1.4]
RIVER	river [SDSFIE V1.4]
STORMWATER	storm water retention reservoir [SDSFIE V1.4]
SWALE	swale [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
UNPAVEDITCH	unpaved ditch [SDSFIE V1.4]

CodeStyleTank

Used by Attributes: Septic Tank - Tank St;Tank - Tank St;Tank - Tank St;Tank - Tank St;Tank - Tank St;Tank - Tank Style;Transmission Pipeline - Tank Style;Disposal Tank - tankSt;Tank Area - tankSt;Grease Trap - Trap Style

Value	Definition (Notes) [Source]
ABOVEGROUND	A receptacle or chamber of which 90 percent or more is located above the surface of the ground. [SDSFIE V1.4]
ABVGRND_UNDRGRND	Aboveground and underground. [SDSFIE V2.31 Air Force]
ALODINE_TANK	alodine tank [SDSFIE V2.3 Edwards Air Force Base]
BARRELS	Barrels, drums or cans. [SDSFIE V2.31 Air Force]
DRAINSUMP	drain sump tank [SDSFIE V1.4]
ELEVATED	elevated [SDSFIE V1.4]
HOT_WATER_TANK	hot water rinse tank [SDSFIE V2.3 Edwards Air Force Base]
HYDROPNEU	hydropneumatic [SDSFIE V1.4]
IND_WASTE_TANK	industrial waste tank [SDSFIE V2.3 Edwards Air Force Base]
OTHER	other [SDSFIE V1.4]
RAILROAD_TANKCAR	Railroad Tank Car. [SDSFIE V2.31 Air Force]
SCP	self contained propane gas tank [SDSFIE V1.4]
SEMIBRD_UNDRGRND	Semi-buried and Underground. [SDSFIE V2.31 Air Force]
SEMIBURIED	Semi-buried. [SDSFIE V2.31 Air Force]
STANDPIPE	standpipe [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TRUCK	Truck. [SDSFIE V2.31 Air Force]
UNCONFNDRESV	unconfined reservoir [SDSFIE V1.4]
UNDERGROUND	A receptacle or chamber of which 10 percent or more is located beneath the surface of the ground. [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
TEMP	temp

CodeStyleValve

Used by Attributes: Air Pressure Device - Dev St;Fill Point - Valve St;Hydrant - Valve St;Valve - Valve St;Valve - Valve St;Valve - Valve St;Valve - Valve St;Valve - Valve St;Fire Connection Point - Valve Style;Hydrant - Valve Style;Valve - Valve Style;Valve - valveSt

Value	Definition (Notes) [Source]
ANGLE	angle [SDSFIE V1.4]
BALL	ball [SDSFIE V1.4]
BUTTERFLY	butterfly [SDSFIE V1.4]
CHECK	check [SDSFIE V1.4]
DRYPIPE	dry pipe [SDSFIE V1.4]
GATE	gate [SDSFIE V1.4]
GLOBE	globe [SDSFIE V1.4]
NEEDLE	needle [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
OTHERPOSTIND	other post indicator [SDSFIE V1.4]
PLUG	plug [SDSFIE V1.4]
PRESSREDUCNG	pressure reducing [SDSFIE V1.4]
PRESSRELIEF	pressure relief [SDSFIE V1.4]
QUAD	quad [SDSFIE V1.4]
REGULATING	regulating [SDSFIE V1.4]
STOP_WASTE	stop and waste [SDSFIE V1.4]
SWINGCHECK	swing check [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
TRIPLEDUTY	triple duty [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeSubstationType

Used by Attributes: Substation - Sst Type

Value	Definition (Notes) [Source]
DISTRIBUTION	Substations located in the middle of a load area. [SDSFIE V1.6]
OTHER	other [SDSFIE V1.4]
SUBTRANSMISSION	Electric substations with equipment used to switch circuits operating at voltages in the range of 34.5 to 161kV. [SDSFIE V1.6]
TBD	to be determined [SDSFIE V1.4]
TRANSMISSION	A substation which uses alternating current which contains equipment used to sectionalize the system when a fault or circuit develops. [SDSFIE V1.6]
UNKNOWN	unknown [SDSFIE V1.4]

CodeSueQualityLevel

Used by Attributes:

Value	Definition (Notes) [Source]
A	Potholing
B	Subsurface Detection
C	Field Survey of Apurtenances
D	Records
UNKNOWN	Unknown

CodeSurfaceComposition

Used by Attributes: Cable Trough Line - Material

Value	Definition (Notes) [Source]
AGS	Asphalt and turf
ASPH	Asphalt

BE	Bare earth
BITUM	Bitumen
BRICK	Brick
CA	Concrete and asphalt
CG	Concrete grooved
CGS	Concrete and turf
CLAY	Clay
CONC	Concrete
CORAL	Coral
DS	Desert/Sand
GRADE	Graded surface
GRAVEL	Gravel
GS	Turf
ICE	ice
LATERITE	Laterite
MACADAM	Macadam
MATS	MATS
MEMBRANE	MEMBRANE
METAL	METAL
OTHER	Other type of surface composition
PSP	PSP
SAND	SAND
SI	Snow/Ice
SNOW	Snow
STONE	Stone
WATER	Water
WOOD	Wood

CodeTankUse

Used by Attributes: Disposal Tank - Tank Use;Tank - Tank Use;Tank - Tank Use;Tank - Tank Use;Tank - Tank Use;Tank - Tank Use;Tank Area - tankUse

Value	Definition (Notes) [Source]
CHEMICAL	chemical [SDSFIE V1.4]
DISPOSAL	disposal tank [SDSFIE V1.4]
EWS	Reserve water source used by emergency firefighting services. [SDSFIE V2.21 Lakenheath AFB]
FUEL	fuel [SDSFIE V1.4]
NATGAS	natural gas [SDSFIE V1.4]
OIL	oil [SDSFIE V1.75]
OTHER	other [SDSFIE V1.4]
POL	Petroleum, Oil, and Lubricants. [SDSFIE V2.31 Air Force]
POTWATER	potable water [SDSFIE V1.4]
PROPGAS	propane gas [SDSFIE V1.4]
RAWWATER	raw water [SDSFIE V1.4]
SEPTIC_TANK	septic tank [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeTerminalCaseType

Used by Attributes: Terminal - Case Type

Value	Definition (Notes) [Source]
OTHER	Other [SDSFIE V2]
PED12	12 Inch Pedestal [SDSFIE V2 Austin and Pitts]
PED4	4 Inch Pedestal [SDSFIE V2 Austin and Pitts]
PED6	6 Inch Pedestal [SDSFIE V2 Austin and Pitts]
PED8	8 Inch Pedestal [SDSFIE V2 Austin and Pitts]
TBD	To Be Determined [SDSFIE V2]
TRANS	Transducer [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown [SDSFIE V2]

CodeTerminalType

Used by Attributes: Terminal - Term Type

Value	Definition (Notes) [Source]
BNC_F	BNC-F - Bayonet Neill Concelman (BMC), Female. [SDSFIE V2.5 AIR FORCE]
BNC_M	BNC-M - Bayonet Neill Concelman (BMC), Male. [SDSFIE V2.5 AIR FORCE]
ENC	Enclosure [SDSFIE V2 Austin and Pitts]
ENCAP	Encapsulated [SDSFIE V2 Austin and Pitts]
F_TYPE_F	F-F - F TYPE, Female. [SDSFIE V2.5 AIR FORCE]
F_TYPE_M	F-M - F TYPE, Male. [SDSFIE V2.5 AIR FORCE]
FC	Fixed Count [SDSFIE V2 Austin and Pitts]
FC_F	FC-F - MIL-C-39012 category D type, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
FC_M	FC-M - MIL-C-39012 category D type, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
FCCP	Fixed Count Control Point [SDSFIE V2 Austin and Pitts]
FCTP	Fixed Count Taper Point [SDSFIE V2 Austin and Pitts]
FDDI_F	FDDI-F - Fiber Distributed Data Interface, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
FIDDI_M	FDDI-M - Fiber Distributed Data Interface, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
LC_F	LC-F - Limited Co-ordination Specification (LC Spec.), Female. [SDSFIE V2.5 AIR FORCE]
LC_M	LC-M - Limited Co-ordination Specification (LC Spec.), Male. [SDSFIE V2.5 AIR FORCE]
N_TYPE_F	N-F - N TYPE, Female. [SDSFIE V2.5 AIR FORCE]
N_TYPE_M	N-M - N TYPE, Male [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
RA	Ready Access [SDSFIE V2 Austin and Pitts]
RACP	Ready Access Control Point [SDSFIE V2 Austin and Pitts]
RATP	Ready Access Taper Point [SDSFIE V2 Austin and Pitts]
RE	Reenterable [SDSFIE V2 Austin and Pitts]
SC_F	SC-F - Plug and socket, push-pull latch, FO connector, Female. [SDSFIE V2.5 AIR FORCE]
SC_M	SC-M - Plug and socket, push-pull latch, FO connector, Male. [SDSFIE V2.5 AIR FORCE]
SMA_AF	SMA-AF - Subminiature Version A, Female. [SDSFIE V2.5 AIR FORCE]
SMA_AM	SMA-AM - Subminiature Version A, Male. [SDSFIE V2.5 AIR FORCE]
SMC_CF	SMC-CF - Subminiature Version C, Female. [SDSFIE V2.5 AIR FORCE]
SMC_CM	SMC-CM - Subminiature Version C, Male. [SDSFIE V2.5 AIR FORCE]
ST_F	ST-F - ST, Female. [SDSFIE V2.5 AIR FORCE]
ST_M	ST-M - ST, Male. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
TNC_F	TNC-F - TNC Female. [SDSFIE V2.5 AIR FORCE]
TNC_M	TNC-M - TNC Male. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeTransVehicleType

Used by Attributes: Media Converter - Vehtype

Value	Definition (Notes) [Source]
GOV	Areas that contain government owned vehicles only. [SDSFIE V2.5]
POV	Areas that contain privately owned vehicles. [SDSFIE V2.5]

CodeTruckType

Used by Attributes: Hydrant - Truck Type

Value	Definition (Notes) [Source]
FUEL_SVC_UNIT	Trailer-mounted Fuel Servicing Unit [SDSFIE V2.31 Air Force]
HOSE_CART	Hose cart - truck only [SDSFIE V2.31 Air Force]
UNKNOWN	Unknown [SDSFIE V2.31 Air Force]
WATER_SEPARATOR	Filter - Water separator [SDSFIE V2.31 Air Force]

CodeUtilityGuyType

Used by Attributes: Utility Pole Guy - Guy Type

Value	Definition (Notes) [Source]
ANCHOR_GUY	anchor guy [SDSFIE V1.4]
BUILDING_GUY	building guy [SDSFIE V1.4]
COMPRESS_GUY	compressive guy [SDSFIE V1.4]
DOWN_GUY	A wire guy running from the top of a pole to an anchor in the ground. [SDSFIE V1.75]
OTHER	other [SDSFIE V1.4]
SPAN_GUY	A wire guy running from the top of a pole to the top of the adjacent pole [SDSFIE V1.75]
STUB_GUY	stub guy [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeUtilityOwnershipType

Used by Attributes: Utility Electric Utility Site - Utility Owner Type;Service Area - Utilown

Value	Definition (Notes) [Source]
PRIVATE	Private entity (e.g., individual, corporation, etc.). [SDSFIE V2 AWWA]
PUBLIC	Public entity (e.g., federal, state, or local government). [SDSFIE V2 AWWA]

CodeValveOpen

Used by Attributes:

Value	Definition (Notes) [Source]
CLOCKWISE	CLOCKWISE
COUNTER_CLOCKWISE	COUNTER_CLOCKWISE
UNKNOWN	UNKNOWN

CodeValveType

Used by Attributes: Air Pressure Device - Use;Valve - valveDesc

Value	Definition (Notes) [Source]
BACKFLOW	BACKFLOW [FGDC Utilities Classification]
BLOW_OFF	BLOW_OFF [FGDC Utilities Classification]
CHECK	CHECK [AWWA]
GATE	GATE [AWWA]
GLOBE	GLOBE [AWWA]
OTH	Other
POSTINDICATOR	POSTINDICATOR [AWWA]
PRV	PRV [FGDC Utilities Classification]
TAP	TAP [FGDC Utilities Classification]
UNK	Unknown

CodeValveStatus

Used by Attributes:

Value	Definition (Notes) [Source]
OPEN	OPEN
CLOSED	CLOSED
UNKNOWN	UNKNOWN

CodeVerticalConnectingBlock

Used by Attributes: Vertical Site - Covtbk

Value	Definition (Notes) [Source]
303	303. [SDSFIE V2.5 AIR FORCE]
305	305. [SDSFIE V2.5 AIR FORCE]
355	355. [SDSFIE V2.5 AIR FORCE]
399	399. [SDSFIE V2.5 AIR FORCE]
700	700. [SDSFIE V2.5 AIR FORCE]
713	713. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeVerticalHeight

Used by Attributes: Vertical Site - Covtht

Value	Definition (Notes) [Source]
11_FT_6_IN	11 Foot 6 Inch. [SDSFIE V2.5 AIR FORCE]
7_FT	7 Foot. [SDSFIE V2.5 AIR FORCE]
8_FT	8 Foot. [SDSFIE V2.5 AIR FORCE]
9_FT	9 Foot. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeVerticalLocation

Used by Attributes: Transmission Pipeline - Vertical Location

Value	Definition (Notes) [Source]
ELEVATED	Elevated. [SDSFIE V2.4 USGS]
NEAR	Near. [SDSFIE V2.4 USGS]
UNDERGROUND	Underground. [SDSFIE V2.4 USGS]
UNSPECIFIED	Unspecified. [SDSFIE V2.4 USGS]

CodeVerticalMountBlock

Used by Attributes: Vertical Site - Covtmb

Value	Definition (Notes) [Source]
8_IN	8 Inch. [SDSFIE V2.5 AIR FORCE]
NONE	None. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To be determined. [SDSFIE V2.5 AIR FORCE]
UNIVERSAL	Universal. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeVerticalMountingArea

Used by Attributes: Vertical Site - Covtma

Value	Definition (Notes) [Source]
126_IN	126 Inch. [SDSFIE V2.5 AIR FORCE]
76_IN	76 Inch. [SDSFIE V2.5 AIR FORCE]
84_IN	84 Inch. [SDSFIE V2.5 AIR FORCE]
92_IN	92 Inch. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]

TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeVerticalShelfWidth

Used by Attributes: Vertical Site - Covtsw

Value	Definition (Notes) [Source]
14_IN	14 Inch. [SDSFIE V2.5 AIR FORCE]
20_5_IN	20.5 Inch. [SDSFIE V2.5 AIR FORCE]
26_5_IN	26.5 Inch. [SDSFIE V2.5 AIR FORCE]
32_5_IN	32.5 Inch. [SDSFIE V2.5 AIR FORCE]
5_5_IN	5.5 Inch. [SDSFIE V2.5 AIR FORCE]
8_5_IN	8.5 Inch. [SDSFIE V2.5 AIR FORCE]
9_IN	9 Inch. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]

CodeVerticalType

Used by Attributes: Vertical Site - Covtty

Value	Definition (Notes) [Source]
DOUBLE_SIDED	Double sided. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
SINGLE_SIDED	Single sided. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
WALL_MOUNT	Wall Mount. [SDSFIE V2.5 AIR FORCE]

CodeVesselType

Used by Attributes: Meter - Dredge Vessel Type

Value	Definition (Notes) [Source]
BACKHOE	A dredge with a single bucket on an arm which moves towards the vessel as the bucket excavates the soil. [SDSFIE V2.2 COE Dredging]
CLAMSHELL	Type of mechanical cable excavator dredge that uses a single bucket attached to the dredge crane with cables. [SDSFIE V2.2 COE Dredging]
CUTTERHEAD	A hydraulic dredge that uses a cutterhead at the suction entrance to dislodge bottom material. [SDSFIE V2.2 COE Dredging]
DIPPER	A power shovel operated from a barge. [SDSFIE V2.2 COE Dredging]
DRAGLINE	An excavating machine with a bucket that is dropped by a boom and then dragged toward the machine by a cable. [SDSFIE V2.2 COE Dredging]
HOPPER	A self-propelled floating plant capable of dredging material, storing it, transporting it to the disposal area, and placing the material at a designated site. [SDSFIE V2.2 COE Dredging]
OTHER	Dredges using non-conventional means or a combination of hydraulic and mechanical processes, e.g., pneumatic, agitation, etc. [SDSFIE V2.2 COE Dredging]
PLAIN_SUCTION	Hydraulic dredge with no mechanical device at suction mouth, a cutter for dislodging bottom material [SDSFIE V2.2 COE Dredging]
TUGBOAT	Used for agitation dredging [SDSFIE V2.2 COE Dredging]
WATER_INJECTION	A type of dredge that injects water at high velocity and/or volume, into the shoaled material to move it to deeper area. [SDSFIE V2.2 COE Dredging]

CodeVoltage

Used by Attributes: Regulator - Pri Volt;Transformr Bank - Pri Volt;Pump - Pwr Req;Pump - Pwr Req;Regulator - Sec Volt;Transformr Bank - Sec Volt;Rect Point - Volt In;Rectifier - Volt In;Rectifier - Volt In;Rectifier - Volt In;Rectifier - Volt In;Substation - Volt In;Rect Point - Volt Out;Rectifier - Volt Out;Rectifier - Volt Out;Rectifier - Volt Out;Rectifier - Volt Out;Substation - Volt Out;Bus Line - Voltage;Cable - Voltage;Capacitor - Voltage;Ductbank - Voltage;Ductbank - Voltage;Equipment - Voltage;Generator - Voltage;Head Bolt Outlet - Voltage;Light - Voltage;Meter - Voltage;Motor - Voltage;Switch - Voltage;Rectifier - Voltage Input;Rectifier - Voltage Output

Value	Definition (Notes) [Source]
110V	110 volts [SDSFIE V1.4]
115000V	115,000 volts [SDSFIE V1.4]
115V	115 volts [SDSFIE V1.4]
120_240V	120/240 volts [SDSFIE V1.4]
12000V	12,000 volts [SDSFIE V1.4]
12000Y_6930V	12,000Y/6,930 volts [SDSFIE V1.4]
120V	120 volts [SDSFIE V1.4]
12470V	12,470 volts [SDSFIE V1.4]
12470Y_7200V	12,470Y/7,200 volts [SDSFIE V1.4]
12V	12 volts [SDSFIE V1.4]
13200V	13,200 volts [SDSFIE V1.4]
13200Y_7620V	13,200Y/7,620 volts [SDSFIE V1.4]
138000V	138,000 volts [SDSFIE V1.4]
15000V	15,000 volts [SDSFIE V1.4]
15930V	15,930 volts [SDSFIE V1.4]
19920V	19,920 volts [SDSFIE V1.4]
20780V	20,780 volts [SDSFIE V1.4]
20780Y_12000V	20,780Y/12,000 volts [SDSFIE V1.4]
208V	208 volts [SDSFIE V1.4]
208Y_120V	208Y/120 volts [SDSFIE V1.4]
220V	220 volts [SDSFIE V1.4]
22860V	22,860 volts [SDSFIE V1.4]
22860Y_13200V	22,860Y/13,200 volts [SDSFIE V1.4]
230000V	230,000 volts [SDSFIE V1.4]
230V	230 volts [SDSFIE V1.4]
2400V	2,400 volts [SDSFIE V1.4]
240V	240 volts [SDSFIE V1.4]
24940V	24,940 volts [SDSFIE V1.4]
24940Y_14400V	24,940Y/14,400 volts [SDSFIE V1.4]
24V	24 volts [SDSFIE V1.4]
27600V	27,600 volts [SDSFIE V1.4]
27600Y_15930V	27,600Y/15,930 volts [SDSFIE V1.4]
277V	277 volts [SDSFIE V1.4]
345000V	345,000 volts [SDSFIE V1.4]
34500V	34,500 volts [SDSFIE V1.4]
34500Y_19920V	34,500Y/19,920 volts [SDSFIE V1.4]
400V	400 volts [SDSFIE V1.4]
4160V	4,160 volts [SDSFIE V1.4]
4160Y_2400V	4,160Y/2400 volts [SDSFIE V1.4]
43800V	43,800 volts [SDSFIE V1.4]
460V	460 volts [SDSFIE V1.4]
4800V	4,800 volts [SDSFIE V1.4]
480V	480 volts [SDSFIE V1.4]
480Y_277V	480Y/277 volts [SDSFIE V1.4]
48V	48 volts [SDSFIE V1.4]
500000V	500,000 volts [SDSFIE V1.4]
5000V	5,000 volts [SDSFIE V1.4]
52V	52 volts [SDSFIE V1.4]
600V	600 volts [SDSFIE V1.4]
69000V	69,000 volts [SDSFIE V1.4]
7200V	7,200 volts [SDSFIE V1.4]
7620V	7,620 volts [SDSFIE V1.4]
765000V	765,000 volts [SDSFIE V1.4]
7970V	7,970 volts [SDSFIE V1.4]
8320V	8,320 volts [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeVoltageRequirements

Used by Attributes: Media Converter - Volt Req;Culvert Center Line - Voltage Requirements

Value	Definition (Notes) [Source]
AC_+120V	+120 Volt AC. [SDSFIE V2.5 AIR FORCE]
DC_+5V	+5 Volt DC. [SDSFIE V2.5 AIR FORCE]
DC_+5V_+12V	+5 and +12 Volt DC. [SDSFIE V2.5 AIR FORCE]
DC_+9V	+9 Volt DC. [SDSFIE V2.5 AIR FORCE]
DC_12V	-12 Volt DC. [SDSFIE V2.5 AIR FORCE]
DC_24V	-24 Volt DC. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined. [SDSFIE V2.5 AIR FORCE]

CodeWasteFittingLocation

Used by Attributes: Fitting - Fitloc

Value	Definition (Notes) [Source]
CHILLWATER_TANK	chilled water tank [SDSFIE V2.3 Cherry Point]
CLEANING_BOOTH	Cleaning Booth. [SDSFIE V2.3 Cherry Point]
CONDENSATE_TANK	condensate tank [SDSFIE V2.3 Cherry Point]
COOKER	cooker [SDSFIE V2.3 Cherry Point]
COOLING_TOWER	cooling tower [SDSFIE V2.3 Cherry Point]
COOLING_WATER	cooling water [SDSFIE V2.3 Cherry Point]
CORROSION_REMOVE	corrosion remover [SDSFIE V2.3 Cherry Point]
DESCALER	descaler [SDSFIE V2.3 Cherry Point]
DISHWASHER	dishwasher [SDSFIE V2.3 Cherry Point]
DRINK_FOUNTAIN	drinking fountain [SDSFIE V2.3 Cherry Point]
EYEWASH_STATION	eyewash station [SDSFIE V2.3 Cherry Point]
HOT_WATER_RINSE	hot water rinse [SDSFIE V2.3 Cherry Point]
HUMIDIFIER	humidifier [SDSFIE V2.3 Cherry Point]
ICE_DISPENER	ice dispenser [SDSFIE V2.3 Cherry Point]
PAINT_BOOTH	paint booth [SDSFIE V2.3 Cherry Point]
PARTS_WASHER	parts washer [SDSFIE V2.3 Cherry Point]
PHOTO_TRAY	photo tray [SDSFIE V2.3 Cherry Point]
PIT	pit [SDSFIE V2.3 Cherry Point]
RESPIRATOR_WASH	respirator washer [SDSFIE V2.3 Cherry Point]
SINK	sink [SDSFIE V2.3 Cherry Point]
STACK	stack [SDSFIE V2.3 Cherry Point]
STEAM_CONDEN	steam condensate [SDSFIE V2.3 Cherry Point]
STRIPPER_VAT	stripper vat [SDSFIE V2.3 Cherry Point]
TEST_TEE	test tee [SDSFIE V2.3 Cherry Point]
TOILET	toilet [SDSFIE V2.3 Cherry Point]
URINAL	urinal [SDSFIE V2.3 Cherry Point]
VENT_PIPE	vent pipe [SDSFIE V2.3 Cherry Point]
WASTE_OIL_DISC	waste oil discharge [SDSFIE V2.3 Cherry Point]

CodeWastewaterLineType

Used by Attributes: Line - Type

Value	Definition (Notes) [Source]
FORCE	Force
MAIN	Main
OTHER	Other
SERVICE	Service
UNKNOWN	Unknown

CodeWastewaterSystemType

Used by Attributes: Service Area - Wwsystem

Value	Definition (Notes) [Source]
COMMERCIAL	Commercial type wastewater system (i.e., serves residential areas, businesses, industry, etc. outside the boundaries of a municipality). [SDSFIE V2 EPA]
MUNICIPAL	Municipal type of wastewater treatment system or utility (i.e., serves residential areas, businesses, and industry located within a municipality. [SDSFIE V2 EPA]

CodeWastewaterTankType

Used by Attributes: Disposal Tank - Tank Des;Septic Tank - Use

Value	Definition (Notes) [Source]
DISPOSAL	disposal tank [SDSFIE V1.8]
SEPTIC_TANK	septic tank [SDSFIE V1.8]

CodeWaterTreatmentLevel

Used by Attributes: Treatment Unit - Trt Lev

Value	Definition (Notes) [Source]
OTHER	Other. [SDSFIE V2.31 HSIP]
PRIMARY	Primary. [SDSFIE V2.31 HSIP]
QUATERNARY	Quaternary. [SDSFIE V2.31 HSIP]
SECONDARY	Secondary. [SDSFIE V2.31 HSIP]
TERTIARY	Tertiary. [SDSFIE V2.31 HSIP]

CodeWindingConnectionType

Used by Attributes: Motor - Wind Type

Value	Definition (Notes) [Source]
DELTA	delta [SDSFIE V1.4]
GROUNDED_Y	grounded wye [SDSFIE V1.4]
HIGHLEG_DELTA	high-leg delta [SDSFIE V1.4]
OPEN_DELTA	open delta [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
Y	wye [SDSFIE V1.4]