



John Wayne Airport Geographic Information System Data Standard

Version 1.0



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Chapter 1 - Introduction

This standard establishes a structure for all Geographic Information System (GIS) data submitted to, used by, or provided from the John Wayne, Orange County Airport (the Airport or SNA). These SNA GIS data are a subset of the geospatial data used by SNA that includes Computer Aided Design (CAD) and Building Information Modelling (BIM) data, which are addressed in related documents.

Objective of this Document

This standard specifies geometry, attributes, and metadata requirements for SNA GIS data. Data sets, feature classes, and attributes are defined in Appendix A. GIS feature classes should be named as specified in this appendix. Features that do not match one of the existing definitions should be placed in either the OtherPoint, OtherLine, or OtherPolygon feature classes based on their geometry type. Alternatively, suggested changes to this standard can be requested using the form in Appendix D. Features within each feature class should have geometry as specified and satisfy the topology rules in Chapter 2. Feature geometry should also meet or exceed the accuracy specified, unless otherwise noted in the metadata and approved by SNA. The data stored within each feature class should be handled in accordance with the sensitivity level assigned.

Attributes should be named as indicated in Appendix A and be of the type specified. Attributes followed by the name of a code list must be populated with values that are within the code list, as listed in Appendix C. Some attributes are used to store metadata and should be populated to the extent possible.

Intended Audience

This standard is intended to be used by SNA staff as well as consultants who create or maintain SNA GIS data. It assumes that these readers have a basic understanding and experience working with GIS data in an airport environment. Supervisors of these individuals, as well as SNA and consultant Project Managers who manage projects that produce spatial data should be familiar with the general requirements of this document.

References

The following documents compliment the contents of this standard and should be referred to as appropriate when developing SNA GIS data.

Normative References

Normative references are documents that must be followed to fulfill the requirements of this standard. The latest versions of these documents should be used.

- FAA AC 150/5300-16 “General Guidance and Specifications for Aeronautical Surveys: Establishment of Geodetic Control and Submission to the National Geodetic Survey” (AC16)
- FAA AC 150/5300-17 “Standards for Using Remote Sensing Technologies in Airport Surveys” (AC17)



- FAA AC 150/5300-18 “General Guidance and Specification for Aeronautical Surveys: Airport Survey Data Collection and Geographic Information System Standards” (AC18)
- Sensitive Security Information (SSI), Chapter 49, Section 1520, Code of Federal Regulations (CFR1520)
- Open Geospatial Consortium’s (OGC) Simple Geometry Definitions
- Federal Geographic Data Committee (FGDC) Data Accuracy Standards

Informative References

Informative references are documents that expand upon or help clarify information in this document, but which do not need to be followed to comply with this standard.

- SNA CAD Standard
- “OpenGIS® Implementation Specification for Geographic information - Simple feature access - Part 1: Common architecture”, Version 1.2.1, Open GIS Consortium

Revision History

This GIS Standard will be revised as new needs or desired changes are identified and approved. SNA managers, staff, consultants, or other stakeholders may request changes by submitting the form provided in Appendix D to their SNA Project Manager. Changes approved by SNA will be incorporated into subsequent revisions of this document. The table below provides a chronological list of changes that have been made to this GIS Standard since its initial adoption. It is the responsibility of the reader to obtain and use the latest version of this standard.

Revision Number	Date Published	Summary of Changes Made
1	April 30, 2020	Initial Version
2		



Chapter 2 - Feature Classes & Attributes

Geometry Requirements

All features should be represented as points, lines, or polygons, as defined in OGC's Simple Geometry Definitions and explained below:

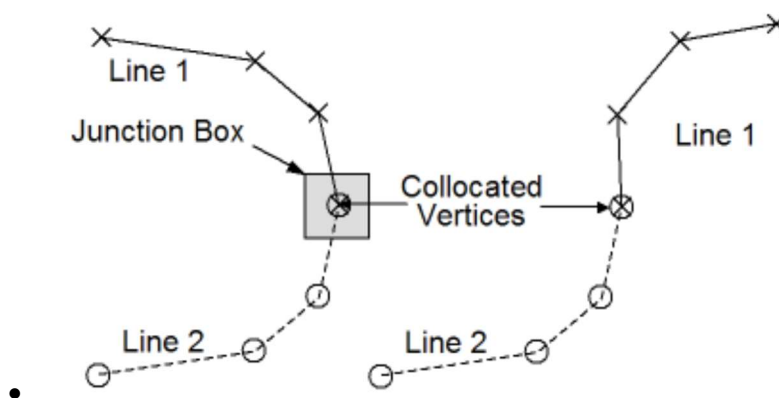
- **Points** shall represent a specific coordinate in three-dimensional space.
- **Lines** shall represent a line segment (i.e. a straight line between two end points) or polyline (i.e. two or more connected line segments collectively with two end points and one or more vertices in between).
- **Polygons** shall represent areas enclosed by a polyline between two coincident (i.e. at exactly the same location in three dimensions) end points and two or more vertices in between. No two vertices of the polygon shall have the exact same location in three dimensions.

All geometry is defined by vertices, which represent points, end points, or intermittent vertices (i.e. points in between end-points). All vertices represent a specific coordinate tuple (i.e. X, Y and Z) in three-dimensional space. Each coordinate should be recorded to a tolerance of three decimal places or thousandths of a foot.

Topology Rules

Topology refers to the positional relationship between features. The definition of each feature class may carry specific topological rules that should be followed. All features however are required to meet the following general rules:

- **Lines Meet at Endpoints** – Line segments and polylines that join to represent continuous string of linear features (e.g. a utility network) should share an endpoint. In most cases, there should also be a point feature at each juncture where lines meet.

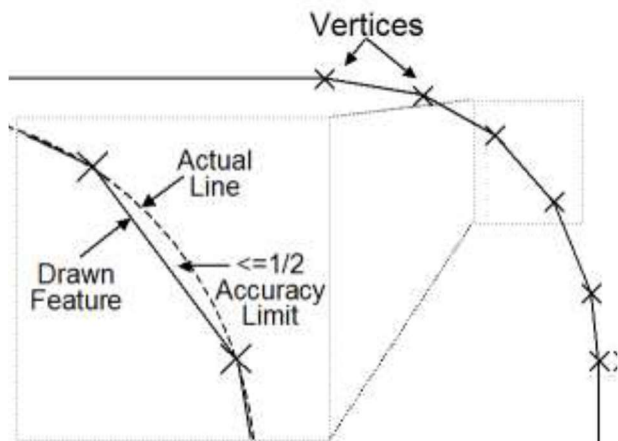


Source: FAA Advisory Circular 18B, Change 1, Page 73

- **Sufficient Density of Vertices** - Lines and polygon edges should contain one or more segments with vertices placed at intervals so the feature does not stray from the actual object it

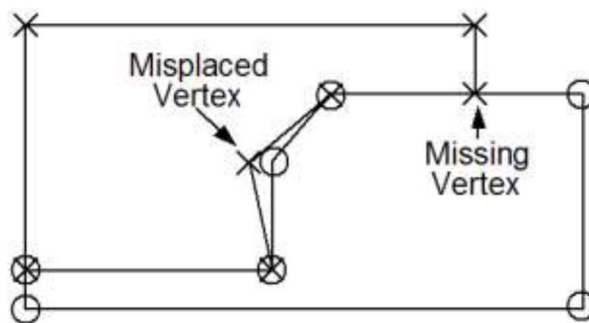


represents by more than half the defined accuracy limit. Vertices should not be so densely spaced that the size of the data increases substantially.



Source: AC18, Page 73

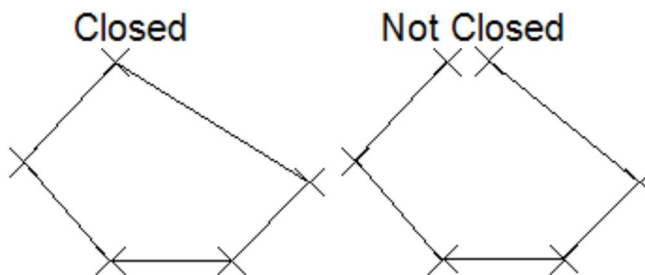
- **Shared Vertices between Adjacent Features** – Features that are intended to be adjacent to one another should share all vertices along their common edge(s). This ensures that there are no unintentional gaps (empty space) or slivers (overlaps) between adjacent polygons, no lines intersect polygons they are intended to touch, and points fall on lines and polygon edges as appropriate. Furthermore, Polygons must share vertices with adjacent polygons where the real-world features they represent are adjacent, as shown through the figure below. This rule applies to polygons in the same feature type as well as polygons of different but related feature types.



Source: AC18, Page 74

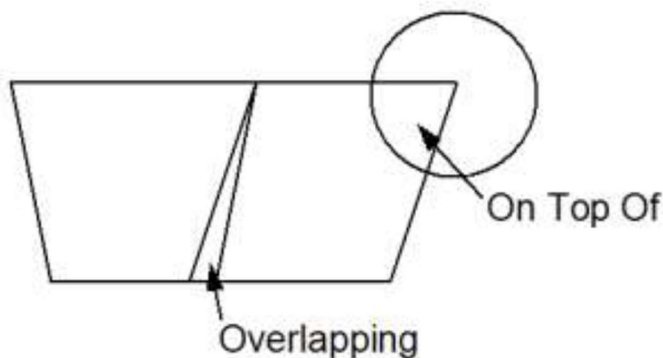


- **Polygons must always be closed** – Line segments and polylines that join to represent a polygon must share common end-points so that they collectively form a closed loop, as shown in the figure below:



Source: AC18, Page 75

- **No Overlapping Polygons of Same Type** - Unless otherwise stated, polygons must not overlap other polygons of the same feature type. 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.



Source: AC18, Change 1, Page 75

Coordinate System

GIS features that depict real world features such as buildings, utility pipes, and airfield lights shall be drawn using the California State Plane Coordinate System, Zone VI referenced to the North American Datum of 1983 (NAD 83), 2011 adjustment (FIPS: 0406; WKID: 6426). This coordinate system is defined based on the following parameters, which may be used by surveyors or geospatial analysts when confirming the coordinate system:

Projection: Lambert_Conformal_Conic
False_Easting: 6561666.666666666
False_Northing: 1640416.666666667



Central_Meridian: -116.25
Standard_Parallel_1: 32.78333333333333
Standard_Parallel_2: 33.88333333333333
Latitude_Of_Origin: 32.16666666666666
Linear Unit: Foot_US (0.3048006096012192)
Geographic Coordinate System: GCS_NAD_1983_2011
Angular Unit: Degree (0.0174532925199433)
Prime Meridian: Greenwich (0.0)
Datum: D_NAD_1983_2011
Spheroid: GRS_1980
Semimajor Axis: 6378137.0
Semiminor Axis: 6356752.314140356
Inverse Flattening: 298.257222101

Vertical coordinates (i.e. Z), as required, shall be based on the North American Vertical Datum of 1988 (NAVD88) referenced to the latest geoid.

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

Accuracy

Each feature class in this standard specifies a required accuracy level. The accuracies indicated represent maximum horizontal distance the feature should be from the actual physical location of the object it represents in the real world, or absolute horizontal positional accuracy. Accuracies are indicated at the 95% confidence level, meaning that statistically 95% of the features within the feature class shall be at or better than the accuracy indicated. The FGDC Data Accuracy Standards describe how to confirm and the report that features meet this accuracy level.

Sensitivity Level

Each feature class in this Standard specifies a sensitivity level, which indicates the relative sensitivity of the data from a security perspective. These levels imply a degree of caution that should be exercised in handling and sharing the data. Some GIS feature classes are Sensitive Security Information (SSI) and must be handled in accordance with Code of Federal Regulations (CFR), Title 49, Chapter XII, Subchapter B, Part 1520, "Protection of Sensitive Security Information (SSI)". Secret, Confidential, and Restricted data should be shared only with those that have a legitimate need to know. Unrestricted data can be shared with anyone without restriction or special handling.



Common Attributes

Attributes that are common to all feature classes in this Standard are listed in the table below. These include identifiers that are used to uniquely refer to features. Others are attributes that provide additional descriptive information. Some are metadata elements that provide information about the data that represents that feature. Foreign keys are also defined to provide links to other systems and databases.

Table 1 - Attributes Common to All Feature Classes

ATTRIBUTE	ALIAS	TYPE	LENGTH	DEFINITION
Identifiers				
id	Identifier	String	40	A unique identifier used by people to refer to this feature (note: this is not a system primary or foreign key value).
assetId	Asset ID	String	30	A unique identifier associated with this feature for linking to an asset management system.
Attributes				
description	Description	String	55	Description of the feature.
alias	Alias	String	60	An alternative or former name by which the feature is referred
Metadata Elements				
status	Status	String	20	A temporal description of the operational status of the feature.
alternative	Alternative	Integer	12	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber	Project Number	String	20	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy	Accuracy	String	25	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource	Data Source	String	50	The source of the data in this record.



ATTRIBUTE	ALIAS	TYPE	LENGTH	DEFINITION
dataStatus	Data Status	String	25	The development stage in which the data is in.
dateDataAcquired	Date Data Acquired	Date	10	The date the data in this record was first collected.
dataStartDate	Start Date of Data Validity	Date	10	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate	End Date of Data Validity	Date	10	The last date on which the data represented by this feature reflects a current, real world condition.
editorName	Editor Name	String	50	The name of the individual who last edited this record.
lastUpdate	Last Update	Date	10	The date upon which any data associated with this record was last updated.
userFlag	User Flag	String	54	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].
System Keys				
guid	Global Unique ID	String	40	A globally unique identifier applied to each feature in the database for reference.
metald	Metadata ID	Integer	12	An identifier used to refer to a metadata record that provides additional information about the data in this record



Chapter 3 - Metadata

Metadata is information about the data itself, such as the date on which it was collected, the collection method(s) used, the resulting accuracy, and who developed it. Metadata helps users of the data determine if it is adequate for their intended use. Metadata is also helpful when maintaining data or checking to ensure that it meets required specifications.

Metadata can be found at several levels. Some metadata is recorded for the overall project or work initiative that created it. Some is relevant to a collection of multiple feature classes. Often, metadata is recorded for an entire feature class. In some cases, metadata is used to describe data that represents individual features. This standard defines and requires elements of metadata at each of these levels (i.e. project, collection, feature class, and feature). Metadata relevant at the project, collection, and feature class levels are shown below in **Table 2 – Metadata Submission Requirements**. Metadata relevant to individual features is listed in **Table 1 – Attributes Common to All Feature Classes**. In some cases, metadata elements may pertain to one or more level. In these cases, recorded metadata values at the lower level takes precedence over higher levels for the data it encompasses. For example, data for an entire feature class may be tested to meet a certain accuracy level, but a few features may be outliers and carry a specific recorded accuracy, which would take precedence.

The requirement to populate this data is driven by SNA project specific requirements, FAA Airports GIS requirements, and/or Data Developers’ desire to prudently record relevant detail.

Metadata can also be provided in several forms including written reports, spreadsheets, or as part of a feature record in the geodatabase. Some metadata may come in the form of photos, sketches, accuracy reports, calibration reports, interview forms, or other supporting evidence of data compliance. The form that metadata is to be provided in is detailed in Table 2 below.

Table 2 - Metadata Submission Requirements

ELEMENT	DESCRIPTION	FORM	PROJECT	COLLECTION	FEATURE CLASS
Statement of Work	The statement of work required by the FAA at the beginning of an Airports GIS data development project (see AC18).	PDF Document	F		
SNA Project Number	The SNA project number associated	Attribute	M	M	M
Grant Number	The number of the federal grant used to partially or wholly fund this project.	Attribute	F		



ELEMENT	DESCRIPTION	FORM	PROJECT	COLLECTION	FEATURE CLASS
Project Extent	The geographic extent of the data collected by this project.	Feature Class	M		
List of Feature Classes and Attributes	A tabular list of feature classes and attributes that conform to these SNA data standards that indicates which features and attributes will be developed and adds additional comments or caveats related to each.	XLS Spreadsheet	M		
Geodetic Control Plan	The Geodetic Control Plan required by the FAA at the beginning of an Airports GIS data development project (see AC16 & AC18)	PDF Document	F		
Remote Sensing Plan	The Remote Sensing Plan required by the FAA at the beginning of an Airports GIS data development project (see AC17)	PDF Document	F		
Survey & Quality Control Plan	The Survey & Quality Control Plan required by the FAA at the beginning of an Airports GIS data development project (see AC18)	PDF Document	F		
Final Project Report	The final report document required by the FAA at the end of an Airports GIS data development project (see AC18).	PDF Document & ZIP	F		
Source	The organization that developed the data	Attribute	M	M	M
Sensitivity Level	The sensitivity level of the data from a security perspective, which defines how the data should be handled and distributed.	Attribute		M	M
Method of Collection	The method used to collect the data	Attribute		M	M
Tested Horizontal Accuracy	The absolute horizontal positional accuracy at the 95% confidence level of the data as determined by tests described in the FGDC's National Standard for Spatial Data Accuracy	Attribute		M	M



ELEMENT	DESCRIPTION	FORM	PROJECT	COLLECTION	FEATURE CLASS
Tested Vertical Accuracy	The absolute vertical positional accuracy at the 95% confidence level of the data as determined by tests described in the FGDC's National Standard for Spatial Data Accuracy	Attribute		M	M
Start Date of Applicability	The earliest date that the data is known to reflect actual conditions	Attribute		M	M
End Date of Applicability	The latest date that the data is known to reflect actual conditions	Attribute	F	M	M
userFlag	Freeform text entered by the data developer to indicate additional relevant elements of metadata they feel are relevant but are not recorded elsewhere. Each element recorded should be briefly described along with the value entered (e.g. "PDOP > 3.4 U.S. Survey Feet;"). The userFlag can also be used to store attribute level metadata (e.g. frangibility as reported by Airport Engineering).	Attribute	O	O	O

Following is a key to the symbols used in the table above.

KEY	
M	Mandatory
F	Required for FAA ADIP Projects
O	Optional as Requested by SNA



Chapter 4 - Data Submittal

GIS Data delivered to SNA must be in the format and include supplemental information described in this section.

Deliverables

Spreadsheet of Feature Classes and Attributes

An Excel spreadsheet listing the GIS feature classes or CAD layers to be delivered shall be provided. Attributes that will be populated for each will be specified in this spreadsheet. Metadata elements to be populated will also be listed. All feature class, layer, object, attribute, and metadata element names must conform to those defined in SNA standards.

Map Showing Extent of Data

A map showing the extent of the area impacted by a project and/or the area in which data will be developed shall be provided. This map shall show the area or areas impacted by the project as closed, non-overlapping polylines on the ConstructionArea layer in an Autodesk drawing file (DWG) or as polygons in a ConstructionArea feature class in an Esri file Geodatabase (fGDB). Attributes defined in SNA's GIS Standard for the ConstructionArea feature class should be populated to the extent possible. At minimum, the projectName field should be populated with the Contract or Task Title. The name field should be populated with the SNA assigned project or task number. The coordinatingContact field should include the individual's name, company name, and direct phone number for the primary point of contact for this project. If the Consultant or Contractor requires existing geographic information from SNA, this map should also indicate the geographic extent of the data desired. This should be provided as non-overlapping polylines on the DataRequested layer in an Autodesk DWG or as polygons in a Data Requested feature class in an fGDB. A PDF copy of a map that prominently shows these extents, along with a legend, on a GIS base map or aerial photo covering SNA property at the airport should also be provided.

It is the responsibility of the consultant or contractor to provide this information for SNA review and approval before work commences. Once approved, the matrix of feature classes and attributes, matrix of data requirements, mapped project extent, and associated limitations, restrictions, and deviations will be attached to the scope of work and become a binding requirement of the contract or agreement.

GIS Data Format

Once GIS data is complete, been checked to adhere to this standard, and is ready for submittal to SNA it shall be provided in Esri file Geodatabases (fGDBs) that follow the data set, feature class, attribute, and code list domains structure specified in Appendix A.



Data to be Submitted to the FAA

Certain projects and contracts may require GIS data to be submitted to the FAA. These requirements will be specified in consultant contracts. Projects that carry these requirements will be required to submit additional data as described below.

GIS Data Format

Esri Shapefiles (SHPs) that comply with AC18 must be provided when data is to be submitted to the FAA Airports GIS System. This requirement will be defined within an individual project scope if relevant. The SHPs 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 AC18 and supporting documentation published by the FAA and NGS. The designated Airport Sponsor at SNA will perform the final upload of the data to the FAA Airports GIS site or the designated Airport Sponsor can delegate this task to a consultant if they should choose to on a project by project basis.

List of Project Types

If FAA data is required, a spreadsheet that lists which type of project(s) (as defined by the columns in as defined in Table 2-1 of AC18) will be carried out by the Consultant and which of the data requirements (identified as rows in this table) are applicable. Comments or notes should be added to indicate where requirements will be partially satisfied based on the scope of the project and where the requirement will be met by data provided from another project. Any limitations, restrictions, deviation from FAA requirements, or assumptions shall be listed as a part of this matrix.

Supporting Documentation

If data is to be submitted to the FAA Airport Data and Information Portal (ADIP) as specified in the scope of work, additional documents including an FAA Statement of Work, Remote Sensing Plan, Survey & Quality Control Plan, Geodetic Survey Plan, and Final Report along with supporting data will also be required. Templates for these documents, which can be found at <https://airports-gis.faa.gov/>, shall be used.

Transmission of Data

GIS Data and accompanying deliverables as described above shall be submitted to SNA via a secure File Transfer Protocol (FTP) site or SNA-approved file transfer service.



Appendices

Appendix A – Data Dictionary

Following is a table of contents of the GIS feature types defined by this standard. For ease in referencing, the feature types defined are subdivided into data sets. Feature classes noted with ‘~1’ reflect data defined and FAA AC18, which may be required to satisfy the requirements of an FAA data collection project. Attributes noted with ‘~2’ are common to all feature classes. Feature classes and attributes noted with a ‘~3’ support compatibility with Esri’s ArcGIS Indoors Information Model (AIIM). Feature classes and attributes noted with a ‘~4’ support compatibility with Apple’s Indoor Data Mapping Format (IMDF).



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Data Set: Airfield

Aircraft Gate Stand^{~1}

(Database=AircraftGateStand; FAA=AircraftGateStand)

Geometry Type: Point

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

gateStandType (CodeGateStandType) ^{~1}	The type of aircraft gate/stand.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
wingspan (Real) ^{~1}	The quantity representing the maximum wingspan which can be accommodated at the aircraft gate stand.
length (Real) ^{~1}	The overall length of the aircraft gate stand.
width (Real) ^{~1}	The overall width of the aircraft gate stand.
pavementClassificationNumber (Integer) ^{~1}	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) ^{~1}	Indicates if a jetway or passenger loading bridge is available for use at the designated location.
towingAvailability (CodeBoolean) ^{~1}	Indicates if towing is available at the designated location.
dockingAvailability (CodeBoolean) ^{~1}	Indicates if docking light system is available at the designated location.
groundPowerAvailability (CodeBoolean) ^{~1}	Indicates the availability of ground power at the designated location.
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Aircraft Gate Stand Area

(Database=AircraftGateStandArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Operational area of gate (parking) stand. If no gate stand area painting is available, a virtual parking stand area should be provided [RTCA DO-272].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String5)	The name of the feature[SDSFIE Feature Table]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
designator (String7)	The textual designator of the gate/stand. For example, 13, 84 A, and so forth[AIXM]..

Attributes:

descriptionRestrictionUse (String255)	Description of the feature.
gateStandType (CodeGateStandType)	The type of aircraft gate/stand.
pavementClassificationNumber (Integer)	A number which expresses the relative load carrying capacity of a pavement in terms of



	a standard single wheel load[AC 150/5335-5]..
wingspan (Real)	The quantity representing the maximum wingspan which can be accommodated by the airfield surface[SDSFIE Feature Table]..
width (Real)	The overall width of the airfield surface[SDSFIE Feature Table]..
length (Real)	The overall length of the airfield surface[SDSFIE Attribute Table]..
dockingAvailability (CodeBoolean)	Availability of the docking station system[AIXM]..
elevation (Real)	The elevation of the feature.
ellipsoidElevation (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called geodetic height[NGS]..
groundPowerAvailability (CodeBoolean)	The availability of ground power[AIXM]..
jetwayAvailability (CodeBoolean)	The availability of a jetway[AIXM]..
towingAvailability (CodeBoolean)	The availability of towing service.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Aircraft Non Movement Area^{~1}

(Database=AircraftNonMovementArea; FAA=AircraftNonMovementArea)

Geometry Type: Line

Accuracy: +/-3

Sensitivity: Restricted

Taxiways and apron (ramp) areas not under the control of air traffic.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Airfield Light^{~1}

(Database=AirfieldLight; FAA=AirfieldLight)

Geometry Type: Point

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Use this attribute to identify the use of the light such as Runway Edge Light, Taxiway Edge Light, Taxiway Centerline Light, etc.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
lightingType (CodeLightingConfigurationType) ^{~1}	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction.
color (CodeColor) ^{~1}	The color of the airfield light.
luminescence (Integer) ^{~1}	The luminescence of the airfield light specified in candelas (cd).
pilotControlFrequency (Real) ^{~1}	The radio frequency used by pilots to control various airport lighting systems.
lightingCategory (CodeLightingCategory)	Description of the lighting system. Lighting system classifications are Approach, Airport, Runway, Taxiway; and Obstruction[FGDC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Air Operations Area^{~1}

(Database=AirOperationsArea; FAA=AirOperationsArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Airport Aerodrome Heliport

(Database=AirportAerodromeHeliport)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The location of an airfield. This should be the same as the Airport Reference Point (ARP). [FGDC].

Names and Identifiers:

id (String40) ^{~2}	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) ^{~2}	An alternative or former name by which the feature is referred.
nameAdministration (String50)	The name of the organization in charge of airport/aerodrome/heliport administration[AIXM]..
iataCode (String3)	The 3-letter IATA code of the aerodrome/heliport[AIXM]..
nameCityService (String50)	The full free text name of the city or town the aerodrome/heliport is serving[AIXM]..

Attributes:

airportFacilityType (CodeTypeAirspaceSignificantPoint)	A code indicating the type of association between a significant point and an airspace. Examples, entry point, exit point, and so forth[AIXM]..
descriptionAltCheckLoc (String255)	A textual description of the altimeter check locations[AIXM]..



descLandingDirectionIndicator (String255)	A textual description of the landing direction indicator (LDI) and its position at the aerodrome/heliport[AIXM]..
dateMagneticVariation (Date)	Year when the magnetic variation was measured[AIXM]..
descriptionReferencePoint (String255)	A textual description of the aerodrome/heliport reference point. For example, 258/985M from THR 01, geometric center of TLOF, and so forth[AIXM]..
descriptionSecondaryPower (String255)	A textual description of the secondary power supply available at the aerodrome/heliport[AIXM]..
descriptionWindDirInd (String255)	A textual description of the wind direction indicator (WDI) and its position at the aerodrome/heliport[AIXM]..
elevation (Real)	The elevation of the feature.
ellipsoidElevation (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called geodetic height[NGS]..
magneticVariation (Real)	The measured angle between magnetic north and true north at the NDB and at the time reported in dateMagneticVariation. By convention, the measure is expressed as a positive number if magnetic north is to the east of true north and negative if magnetic north is to the west of true north[AIXM]..
magneticVariationChange (Real)	The annual rate of change of the magnetic variation[AIXM]..
referenceTemperature (Real)	The value of the reference temperature at an aerodrome/heliport[AIXM]..
transitionAltitude (Real)	The value of the transition altitude[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

geographicAccuracy (Real)	The horizontal distance from the stated geographical position within which there is a defined confidence of the true position of the aerodrome/heliport reference point falling[AIXM]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Airport Sign^{~1}

(Database=AirportSign; FAA=AirportSign)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Restricted

Signs at an airport other than surface painted signs. [AC 150/5340-18].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
signType (CodeSignTypeCode) ^{~1}	The type of sign [AC150/5300-18].
height (Real) ^{~1}	The overall height of the feature.
message (String254) ^{~1}	The text message that appears on the sign.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Apron^{~1}

(Database=Apron; FAA=Apron)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

apronType (CodeApronType) ^{~1}	A classification of the typical use for the apron.
numberOfTiedowns (Integer) ^{~1}	The approximate number of aircraft tie-downs in the surface.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
pavementClassificationNumber (Integer) ^{~1}	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) ^{~1}	A description of the serviceability of the pavement[NFDC]..
fuel (CodeFuel) ^{~1}	Code indicating the types of fuel available at the apron or deliverable to the apron.
allUpWheelWeight (Integer)	A code indicating the composition of the related surface[NFDC]..
pcnEvalMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the pavement classification number[AIXM]..
pcnMaxTirePressure (Real)	Coded indication of the maximum allowable tire pressure category related to the pavement classification number[AIXM]..
pavementClassSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
snglIsolatedWhlLoadTirePres (Real)	Value of the single isolated wheel load tire pressure[AIXM]..
snglIsolatedWheelLoadWeight (Integer)	Value of the single isolated wheel load weight[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Arresting Gear^{~1}

(Database=ArrestingGear; FAA=ArrestingGear)

Geometry Type: Line

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
airportFacilityType (CodeOperationsType) ^{~1}	Type of airfield.
owner (CodeOwner) ^{~1}	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Deicing Area^{~1}

(Database=DeicingArea; FAA=DeicingArea)

Geometry Type: Polygon Accuracy: +/-3 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Displaced Threshold

(Database=DisplacedThreshold)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The beginning of that portion of the runway available for landing when it is located at a point other than the physical end of the runway [AC 150/5300-13].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
designator (String3)	A unique identifier assigned to the displaced threshold.

Attributes:

pointType (CodePointType)	Contains the allowable values of a point type used by the control point feature. The point types may be supplementally provided as subtypes of control points for ease of use and clarification.
elevation (Real)	Elevation of the point relative to the selected vertical datum[NGS]..
ellipsoidElevation (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called the geodetic height[NGS]..
latitude (Real)	Latitude in decimal degrees with negative numbers used for Western Hemisphere.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Final Approach Take Off

(Database=FinalApproachTakeOff)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

A defined area over which the final phase of the approach to a hover, or a landing, is completed and from which the takeoff is initiated. This area was called the takeoff and landing area in previous publications [AC 150/5390-2B].

Names and Identifiers:

id (String40) ^{~2}	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) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

finalApproachTakeOffId (Number*)	Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS]..
elevation (Real)	The elevation of helipad measured from mean sea level (MSL)[SDSFIE Attribute Table]..



profile (String255)	A textual description of the runway profile[SDSFIE Feature Table]..
length (Real)	The length of the feature.
width (Real)	The mean width of the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Frequency Area^{~1}

(Database=FrequencyArea; FAA=FrequencyArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
station (String30) ^{~1}	Service or Station assigned to primary frequency (e.g., ATC Tower, Ground Control)[RTCA DO-272]..
frequency (Real) ^{~1}	Primary frequency used on frequency area (in MHZ)[RTCA DO-272]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Infield

(Database=Infield)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area of an airfield where aircraft cannot move.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
infieldId (String40)	A unique identifier assigned to the Infield.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Marking Area^{~1}

(Database=MarkingArea; FAA=MarkingArea)

Geometry Type: Polygon

Accuracy: +/-2

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
markingFeatureType (CodeMarkingFeatureType) ^{~1}	The type of the marking.
color (CodeColor) ^{~1}	The color of the marking.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marking Line^{~1}

(Database=MarkingLine; FAA=MarkingLine)

Geometry Type: Line

Accuracy: +/-2

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)^{~2}

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

name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

markingFeatureType ([CodeMarkingFeatureType](#))^{~1} The type of the marking.

color ([CodeColor](#))^{~1}

The color of the marking.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Movement Area^{~1}

(Database=MovementArea; FAA=MovementArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Passenger Loading Bridge^{~1}

(Database=PassengerLoadingBridge; FAA=PassengerLoadingBridge)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name, code or identifier used to identify the loading bridge.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
loadingBridgeType (CodeLoadingBridgeType) ^{~1}	Code indicating the type of loading bridge.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first



	recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Restricted Access Boundary^{~1}

(Database=RestrictedAccessBoundary; FAA=RestrictedAccessBoundary)

Geometry Type: Line

Accuracy: +/-3

Sensitivity: Confidential

A restricted area boundary identifies areas strictly reserved for use by authorized personnel only. [NGS*].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	A common name for the restricted area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway^{~1}

(Database=Runway; FAA=Runway)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

A defined rectangular area on an airport prepared for the landing and takeoff of aircraft. [AC 150/5300-13*].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
runwayDesignator (String7) ^{~1}	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:

runwayType (CodeRunwayType)	The type of runway.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
width (Real) ^{~1}	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]..
widthOffset (Real)	A value specifying the lateral offset of the strip, when it is not symmetrically extended beyond the two runway edges[AIXM]..
widthStrip (Real)	The value of the physical width of the strip[AIXM]..
length (Real) ^{~1}	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.
lengthOffset (Real)	A value specifying the longitudinal offset of the strip, when it is not symmetrically extended beyond the two runway ends[AIXM]..
lengthStrip (Real)	The value of the physical length of the strip. The runway strip is a defined area including the runway and, if applicable, the stopway. It is intended (a) to reduce the risk of damage to aircraft running off the runway and (b) to protect aircraft flying o[AIXM]..
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
pavementClassificationNumber (Integer) ^{~1}	A number that expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5A]..
pcnEvalMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the pavement classification number[AIXM]..
pcnMaxTirePressure (Real)	Coded indication of the maximum allowable tire pressure category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
arrestingGearMaterial (CodeArrestingGearMaterial)	A code indicating the composition of the related surface[NFDC]..
allUpWheelWeight (Integer)	Value of the all up wheel weight[AIXM]..
pavementClassSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
surfacePreparation (CodeSurfacePreparation)	Coded indication of the preparation technique for the surface area[AIXM]..
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
snglIsolatedWhlLoadTirePres (Real)	Value of the single isolated wheel load tire pressure[AIXM]..



snglIsolatedWheelLoadWeight (Integer)	Value of the single isolated wheel load weight[AIXM]..
approachVisibilityMinimums (String50)	Approach Visibility Minimums[Airport]..
effectiveRunwayGradient (Real)	Effective Runway Gradient[Airport]..
instrumentRunway (CodeBoolean)	Is the runway instrument rated[Airport]..
approachSlope (String25)	Approach slope[Airport]..
landingDistanceAvailable (Real)	Landing Distance Available[Airport]..
takeOffDistanceAvailable (Real)	Takeoff Distance Available[Airport]..
lighting (String50)	Type of lighting[Airport]..
marking (String50)	Type of runway markings[Airport]..
navigationalAids (String50)	Type of navigation aids[Airport]..
wheelLoad (String50)	Number of wheels[Airport]..
weightLoad (String50)	Wheel weight limit of runway[Airport]..
bearingOfCenterlineAlignment (String50)	Bearing of Centerline Alignment[Airport]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Arresting Area^{~1}

(Database=RunwayArrestingArea; FAA=RunwayArrestingArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	A common name for the arresting area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
length (Real) ^{~1}	The overall length of the feature.
width (Real) ^{~1}	The overall width of the feature.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
arrestingGearMaterial (CodeArrestingGearMaterial)	A code indicating the composition of the related surface[NFDC]..
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
Setback (Integer) ^{~1}	The distance the EMAS begins beyond the end of the runway.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Blast Pad^{~1}

(Database=RunwayBlastPad; FAA=RunwayBlastPad)

Geometry Type: Polygon

Accuracy: +/-2

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
length (Integer) ^{~1}	The length of clearway as measured. Compare the measure value to the value reported in the government flight information publications.
pavementClassificationNumber (Integer) ^{~1}	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) ^{~1}	Specify runwayEnd designator to identify which runway end the Blast Pad is on.
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..



surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
allUpWheelWeight (Integer)	Value of the all up wheel weight[AIXM]..
pcnEvalMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the pavement classification number[AIXM]..
pcnMaxTirePressure (Real)	Coded indication of the maximum allowable tire pressure category related to the pavement classification number[AIXM]..
pavementClassSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
surfacePreparation (CodeSurfacePreparation)	Coded indication of the preparation technique for the surface area[AIXM]..
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
snglIsolatedWhlLoadTirePres (Real)	Value of the single isolated wheel load tire pressure[AIXM]..
snglIsolatedWheelLoadWeight (Integer)	Value of the single isolated wheel load weight[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Centerline^{~1}

(Database=RunwayCenterline; FAA=RunwayCenterline)

Geometry Type: Line Accuracy: +/-1 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
runwayDesignator (String7) ^{~1}	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:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

isDerived (CodeBoolean) ^{~1}	Indicates whether the centerline is derived or photo determined.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world



	condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Element^{~1}

(Database=RunwayElement; FAA=RunwayElement)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
runwayDesignator (String7) ^{~1}	Specify runway designator.
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC].
pavementClassificationNumber (Integer) ^{~1}	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) ^{~1}	A description of the serviceability of the pavement[NFDC].
elementType (CodeElementType)	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS].
allUpWheelWeight (Integer)	Value of the all up wheel weight[AIXM].



pcnEvalMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the pavement classification number[AIXM]..
pavementClassSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
surfacePreparation (CodeSurfacePreparation)	Coded indication of the preparation technique for the surface area[AIXM]..
length (Real)	The length of the feature.
width (Real)	The mean width of the feature.
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
pcnMaxTirePressure (Real)	Coded indication of the maximum allowable tire pressure category related to the pavement classification number[AIXM]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
runwaySequence (Integer)	The sequential number of the runway element.
snglIsolatedWhlLoadTirePres (Real)	Value of the single isolated wheel load tire pressure[AIXM]..
snglIsolatedWheelLoadWeight (Integer)	Value of the single isolated wheel load weight[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway End^{~1}

(Database=RunwayEnd; FAA=RunwayEnd)

Geometry Type: Point

Accuracy: +/-1

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
runwayEndDesignator (String3) ^{~1}	The designator for the runway end (i.e. 32L).

Attributes:

ellipsoidHeight (Real) ^{~1}	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called the geodetic height[NGS].
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
approachCategory (CodeApproachCategory) ^{~1}	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].
elevation (Real)	Elevation of the point relative to the selected vertical datum[NGS].
approachGuidance (CodeApproachGuidance) ^{~1}	The type of approach guidance in use for the runway end.
accelerateStopDistanceAvail (Integer) ^{~1}	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) ^{~1}	Magnetic runway bearing corresponding to threshold location valid at the day of data generation[RTCA DO-272].
asDistAvail (Real)	ASDA, The runway plus stopway length declared available and suitable for the acceleration and deceleration of an airplane aborting a takeoff[AC 150/5300-13].
trueBearing (Real) ^{~1}	True bearing corresponding to the landing direction[ICAO Annex 14].
designGroup (CodeDesignGroup) ^{~1}	A grouping of airplanes based on wingspan and or tail height, whichever is greatest[AC 150/5300-13].



displacedDistance (Integer) ^{~1}	The distance from the runway end to the landing threshold. When the thresholdType is normal, displacedDist = 0.
landingDistanceAvailable (Integer) ^{~1}	The runway length declared available and suitable for a landing airplane[AC 150/5300-13]..
runwaySlope (Real) ^{~1}	Runway slope corresponding to landing direction[RTCA DO-272]..
takeOffDistanceAvailable (Integer) ^{~1}	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 (Integer) ^{~1}	The runway length declared available and suitable for the ground run of an airplane taking off[AC 150/5300-13]..
touchdownZoneSlope (Real) ^{~1}	The longitudinal slope of the first 3000 feet of the runway beginning at the threshold[FAA Specification 405]..
touchdownZoneElevation (Real) ^{~1}	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) ^{~1}	An description of the landing threshold, either normal or displaced.
portableVasiSystem (CodeBoolean)	A code indicating whether the visual approach slope indicator system is a portable one[AIXM]..
posOfAxisRelToCenterline (String16)	The position of the axis relative to the centerline.
vasiSystemType (String16)	Code indicating the type of the visual approach slope indicator system. For example, VASIS, A-VASIS, PAPI, A-PAPI, and so forth[AIXM]..
visualFlightRulesPattern (CodeVfrPattern)	Code indicating the direction of the VFR flight pattern at an AirportAerodromeHeliport, that is, left or right[AIXM]..
descriptionOfArrestingDevice (String255)	A textual description of an arresting device provided for the runway direction[AIXM]..
descriptionOfRvr (String255)	A textual description of the RVR meteorological equipment provided for the runway direction. The RVR is the range over which the pilot of an aircraft on the center line of a runway can see the runway surface markings or the lights delineating the runway o[AIXM]..
durationTaxiTime (Integer)	Estimation of the taxi time to the runway direction[AIXM]..
minimumThresholdEyeHeight (Real)	The minimum eye height over threshold (MEHT) value[AIXM]..
numberOfVasiSystemBoxes (Integer)	The number of equipment boxes used for the VASI.
positionOfVasiSystem (String255)	A textual description of the position where the visual approach slope indicator system has been installed[AIXM]..
slopeAngleGlidepathOfVasi (Real)	The appropriate approach slope angle to be used by an aircraft using the approach[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

elevationAccuracy (Real)	The accuracy of the obstacle elevation value[AIXM]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.



Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Helipad Design Surface^{~1}

(Database=RunwayHelipadDesignSurface; FAA=RunwayHelipadDesignSurface)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Restricted

A three-dimensional surface that is used in runway or heliport helipad design. [AC 150/5300-13].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature[SDSFIE Feature Table]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
designSurfaceType (CodeDesignSurfaceType) ^{~1}	A description of the design surface.



zoneUse (String50) ^{~1}	A description of the use of the zone.
safetyRegulation (String50)	A description of the use of the zone[SDSFIE Feature Table]..
determination (String255) ^{~1}	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) ^{~1}	The date the safety area determination was approved[FAA Order 5200.8 and AC 150/5390-2B]..
zoneInnerWidth (Real) ^{~1}	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) ^{~1}	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) ^{~1}	The length of a trapezoidal shaped DesignSurface feature.
slope (Real) ^{~1}	The low to high gradient within the airspace.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Intersection^{~1}

(Database=RunwayIntersection; FAA=RunwayIntersection)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Confidential

The area in which two or more runways intersect.

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

The name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

runwayDesignator1 (String7)^{~1}

Designator of the 1st intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).

runwayDesignator2 (String7)^{~1}

Designator of the 2nd intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).

runwayDesignator3 (String7)^{~1}

Designator of the 3rd intersecting runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L).

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

pavementClassificationNumber (Integer)^{~1}

A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5A]..

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Label^{~1}

(Database=RunwayLabel; FAA=RunwayLabel)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Secret

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
runwayEndDesignator (String3) ^{~1}	The designator of the associated runway.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Label

(Database=RunwayLabelPolygon)

Geometry Type: Polygon

Accuracy: +/-2

Sensitivity: Restricted

The painted area depicting runway end numbers on the runway surface. [RTCA DO-272].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
---------------------------------------	--

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Land and Hold Short Line^{~1}

(Database=RunwayLAHSO; FAA=RunwayLAHSO)

Geometry Type: Line

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
protectedRunwayDesignator (String7) ^{~1}	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) ^{~1}	The type of the marking.
color (CodeColor) ^{~1}	The color of the marking.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
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Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Safety Area Boundary^{~1}

(Database=RunwaySafetyAreaBoundary; FAA=RunwaySafetyAreaBoundary)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
runwayEndDesignator (String3) ^{~1}	Specific runway end designator[FAA AC150/5300-18b]..
determinationDate (String8) ^{~1}	Date the RSA determination was approved[FAA Order 5200.8]..



determination (String255) ^{~1}	A formal declaration of the runway safety area condition with respect to standards and any requirement improvements[FAA Order 5200.8]..
zoneUse (String50)	A description of the use of the zone[SDSFIE Feature Table]..
designSurfaceType (CodeDesignSurfaceType)	A description of the design surface.
safetyRegulation (String20)	An identifier for the safety regulations in effect within the zone[SDSFIE Feature Table]..
length (Real)	The length of the feature.
width (Real)	The mean width of the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Shoulder^{~1}

(Database=Shoulder; FAA=Shoulder)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature[AC 150/5300-18b]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

shoulderType (CodeShoulderType) ^{~1}	Code for whether this is a runway shoulder or taxiway shoulder[SDSFIE Attribute Table]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
length (Real) ^{~1}	The overall length of the airfield surface[SDSFIE Attribute Table]..
width (Real) ^{~1}	The overall width of the airfield surface[SDSFIE Feature Table]..
restricted (CodeBoolean) ^{~1}	An indicator as to whether access to the feature is restricted.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
sequence (String5) ^{~1}	Sequential number of the element.
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world



	condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Stopway^{~1}

(Database=Stopway; FAA=Stopway)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
length (Real) ^{~1}	The length of the designated stopway from the end of the runway.
width (Real) ^{~1}	The overall width of the feature.
runwayEndDesignator (String3) ^{~1}	Specify runwayEnd designator to identify which runway end the Stopway is on.
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
markingFeatureType (CodeMarkingFeatureType)	The type of markings applied to the feature.
allUpWheelWeight (Integer)	Value of the all up wheel weight[AIXM]..
pcnEvalMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the



	pavement classification number[AIXM]..
pcnMaxTirePressure (Real)	Coded indication of the maximum allowable tire pressure category related to the pavement classification number[AIXM]..
pavementClassSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
surfacePreparation (CodeSurfacePreparation)	Coded indication of the preparation technique for the surface area[AIXM]..
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
pavementClassificationNumber (Integer)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
profile (String255)	A textual description of the runway profile.
snglIsolatedWhlLoadTirePres (Real)	Value of the single isolated wheel load tire pressure[AIXM]..
snglIsolatedWheelLoadWeight (Integer)	Value of the single isolated wheel load weight[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Taxiway Element^{~1}

(Database=TaxiwayElement; FAA=TaxiwayElement)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
taxiwayId (String50) ^{~1}	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]..
runwayComplex (String3)	The runway complex with which this feature is associated.

Attributes:

taxiwayType (CodeTaxiwayType) ^{~1}	The type of taxiway.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
pavementClassificationNumber (Integer) ^{~1}	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) ^{~1}	A description of the serviceability of the pavement[NFDC]..
directionality (CodeDirectionality) ^{~1}	Code used to define the directionality of traffic on the element.
sequence (String5) ^{~1}	Sequential number of the taxiway element.
surfaceType (CodeSurfaceType) ^{~1}	Type of different materials used to construct the surface[NGS]..
designGroup (CodeDesignGroup) ^{~1}	Identifies the design group used in the design of the taxiway[AC 150/5300-13]..
length (Real) ^{~1}	Provides the length of the taxiwayElement polygon as measured along the centerline[SDSFIE Feature Table]..
width (Real) ^{~1}	Width of the taxiway[SDSFIE Feature Table]..



maximumSpeed (Real) ^{~1}	Identifies the maximum speed for the taxiwayElement.
wingspan (Real) ^{~1}	Identifies the maximum aircraft wingspan which can traverse the taxiwayElement[SDSFIE Feature Table]..
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Taxiway Holding Position^{~1}

(Database=TaxiwayHoldingPosition; FAA=TaxiwayHoldingPosition)

Geometry Type: Line

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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	primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
runwayDesignator (String7) ^{~1}	The designator for the approaching runway.
taxiwayDesignator (String4) ^{~1}	The designator for the taxiway.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
lowVisibilityCategory (CodeLowVisibilityCategory) ^{~1}	Code describing the Low visibility operation category of the TaxiwayHoldingPosition.
markingFeatureType (CodeMarkingFeatureType)	The type of markings applied to the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Taxiway Intersection^{~1}

(Database=TaxiwayIntersection; FAA=TaxiwayIntersection)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
taxiwayType (CodeTaxiwayType)	The type of taxiway.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should



not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Touchdown Lift Off^{~1}

(Database=TouchDownLiftOff; FAA=TouchDownLiftOff)

Geometry Type: Polygon

Accuracy: +/-1

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

touchdownLiftOffId (Number*)	Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS]..
length (Real) ^{~1}	The overall length of the TLOF.
width (Real) ^{~1}	The overall width of the TLOF.
surfaceType (CodeSurfaceType) ^{~1}	A classification of airfield pavement surfaces for Airport Obstruction Charts[NGS]..
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	A code indicating the composition of the related surface[NFDC]..
surfaceCondition (CodeSurfaceCondition) ^{~1}	A description of the serviceability of the pavement[NFDC]..
designHelicopter (String20) ^{~1}	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]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
gradient (Real) ^{~1}	The gradient of the TLOF surface designed to provide positive drainage.
allUpWheelWeight (Integer)	Value of the all up wheel weight[AIXM]..
pcnEvaluationMethod (CodePavementClassificationNumberEvaluationMethod)	Code indicating the evaluation method for the pavement classification number[AIXM]..
pcnMaximumTirePressure (CodePavementClassificationNumberMaximumTirePressure)	Coded indication of the maximum allowable



	tire pressure category related to the pavement classification number[AIXM]..
pavementSubgrade (CodePavementClassificationPavementSubgrade)	Coded indication of the subgrade strength category related to the pavement classification number[AIXM]..
pcnPavementType (CodePavementClassificationNumberPavementType)	Coded indication of the pavement behavior (rigid or flexible) used for the pavement classification number determination[AIXM]..
surfacePreparation (CodeSurfacePreparation)	Coded indication of the preparation technique for the surface area[AIXM]..
elevation (Real)	Elevation of the point relative to the selected vertical datum.
ellipsoidElevation (Real)	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question. Also called geodetic height[NGS]..
classHelicopter (CodeClassHelicopter)	Code indicating the performance class of helicopters that the TouchdownLiftOff area is intended to serve[AIXM]..
loadClassificationNumberClass (String12)	Load classification number of the surface[AIXM]..
pavementClassificationNumber (Integer)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5]..
pcnNote (String255)	Notes with regard to the pavement classification number[AIXM]..
snglIsoWhlLoadTirePressure (Integer)	Value of the single isolated wheel load tire pressure[AIXM]..
snglIsoWhlLoadWeightInteger (Integer)	Value of the single isolated wheel load weight[AIXM]..
slope (Real)	The value of the maximum profile slope of the obstruction identification surface. This value is always expressed as a percent[AIXM]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

elevationAccuracy (Real)	The accuracy of the obstacle elevation value[AIXM]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: **Airspace**

Flight Procedure

(Database=FlightProcedure)

Geometry Type: Line

Accuracy: +/-10

Sensitivity: Restricted

A series of predetermined manoeuvres with specified protection from obstacles.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
terpsName (String50)	The name of the instrument procedure[AIXM 5.1].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

runwayDesignator (String10)	Designator of the runway based on the magnetic bearing and position in relation to parallel runways (e.g. 33R/15L) [Source, AC 150/5340-1] [AC 150/5300-18B].
runwayEndDesignator (String7)	The designator for the runway end (i.e. 32L) [Source, AC 150/5300-18B].
terpsSurfType (String50)	TERPS (FAA Order 8260.3B) imaginary surface type to be constructed from information in this Procedure feature.
aprchType (String50)	Electronic guidance type, e.g. ILS, LOC, LPV, LNAV/VNAV, VOR, etc., for this Procedure feature.
aprchCat (String10)	Aircraft approach speed categories, i.e. A, B, C, etc., associated with the specific minimums information recorded in this Procedure feature, expressed as a non-delimited string of categories, e.g. ABC.
decisionAlt (Real)	A specified minimum altitude (feet MSL) in a PA or APV instrument approach procedure at which the pilot must decide whether to initiate an immediate missed approach, if they do not see the required visual airfield references or to continue the approach [S.
minimumDescentAlt (Real)	The final approach minimum altitude for NPA instrument approach procedures, expressed in feet MSL rounded to the next higher 20-foot increment [Source, FAA Order 8260.3B].
touchdownZoneElevation (Real)	The highest runway centerline elevation in the touchdown zone, which is the first 3,000 feet of runway beginning at the threshold [Source, FAA Order 8260.3B].



thresholdElevation (Real)	Elevation (MSL) of highest point along the runway threshold-a line marking the beginning of the runway usable landing surface and extending the full width of the runway perpendicular to the runway centerline-usually located where the threshold and centerl.
heightAboveTdz (Real)	Height (in feet) above the touchdown zone elevation.
heightAboveThr (Real)	Height (in feet) above the threshold elevation.
rwVisRng (Real)	An instrumentally derived value representing the horizontal distance a pilot will be able to see down the runway from the approach end [Source, FAA Order 8260.3B].
rwVisMin (Real)	The minimum distance (statute miles) of visibility, given current atmospheric conditions, for which a procedure is authorized.
aprchGuidance (String50)	An enumerated value representing the maximum level of navigational guidance available to an approaching aircraft following this Procedure, e.g. VISUAL, NON-VERTICAL, PRECISION_CATI [Source, AC 150/5300-18B].
startDate (Date)	Date given on an approach plate establishing the beginning of the period when the data presented on the plate is officially designated as valid for navigation.
endDate (Date)	Date given on an approach plate establishing the end of the period through which the data presented on the plate is officially designated as valid for navigation.
thrshCrossHeight (Real)	The height (feet) of the straight line extension of the glide slope above the runway at the threshold.
glidepathAngle (Real)	The angular displacement of the glidepath from a horizontal plane that passes through the Landing Threshold Point/Fictitious Threshold Point.
finalAprchCourse (Real)	Magnetic bearing of the Final Approach Course as presented on the approach plate for this procedure.
magVar (Real)	Magnitude of the magnetic declination at the airport for which this Procedure is designed, often presented on the official FAA Airport Diagram.
magVarDir (String10)	Direction, E or W, of the magnetic variance.
magVarDate (String20)	Date when the magnetic variance was established.
magVarEpoch (Real)	The official NGS five-year period, expressed as a four-digit year, of the magnetic variation model used for magnetic variation calculations.
pfafDist (Real)	Distance (feet) from the landing threshold point to the Precision Final Approach Fix (for Precision Approach Procedures) or the Final Approach Fix (for Non-Precision Approaches).
nonPrecMisAprchPntDist (Real)	Distance (feet) from the landing threshold point to the Non-Precision Missed Approach Point.
climbGradient (Real)	Missed Approach minimum rate of climb, either 200 feet/NM or the alternate required value presented on the approach plate for this Procedure feature.
initStrMisAprchAlt (Real)	The climb-to altitude (MSL) for the initial straight segment of a straight or combined straight-turning missed approach, as presented on the approach plate for this Procedure feature.
commFailureInstruction (String255)	Operational instructions which must be observed in case of communication failure[AIXM 5.1]..
instruction (String255)	Some free text to describe operational instructions (other than communication failure



	instructions) which must be respected when flying the Procedure[AIXM 5.1]..
designCriteria (CodeDesignStandardType)	Rules used in the design of the procedure[AIXM 5.1]..
codingStandard (CodeProcedureCodingStandardType)	The set of rules followed when encoding the procedure legs[AIXM 5.1]..
flightChecked (CodeBoolean)	Indicates if the procedure has been flight checked[AIXM 5.1]..
rnav (CodeBoolean)	Indicates the procedure is an RNAV procedure[AIXM 5.1]..
availability (CodeProcedureAvailabilityBaseType)	The operational availability of the Procedure[AIXM 5.1]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Landmark Segment^{~1}

(Database=LandmarkSegment; FAA=LandmarkSegment)

Geometry Type: Line

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
landmarkType (CodeLandmarkType) ^{~1}	Type of landmark feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Obstacle^{~1}

(Database=Obstacle; FAA=Obstacle)

Geometry Type: Point

Accuracy: +/-20

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
obstructionNumber (String30) ^{~1}	Provide the Aeronautical Study Number assigned by the FAA in the appropriate format (if known).

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
obstacleType (CodeObstacleType) ^{~1}	The type of object.
obstacleSource (CodeObstacleSource) ^{~1}	Identify how or where the object was identified.
aboveGroundLevel (Real) ^{~1}	The vertical distance from the ground to the highest point of the object.
elevation (Real)	Elevation of the point relative to the selected vertical datum.
distanceFromDisplacedThreshold (Real) ^{~1}	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) ^{~1}	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) ^{~1}	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) ^{~1}	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) ^{~1}	Height above airport the official airport elevation point[NGS]..
heightAboveRunway (Real) ^{~1}	Height above runway physical end for objects located underneath the approach surface.
heightAboveTouchdownZone (Real) ^{~1}	Height above touchdown zone elevation for objects located underneath the approach



	surface.
lightCode (CodeBoolean) ^{~1}	A code indicating that the obstacle is lighted[AIXM]..
markingFeatureType (CodeMarkingFeatureType) ^{~1}	The type of the marking.
safetyRegulation (String20)	The safety regulation used to determine the most significant penetration of an obstruction identification surface.
penValSpecified (Integer) ^{~1}	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) ^{~1}	The elevation difference between the height of the object and the supplemental surface. Used to identify the amount of penetration to a secondary OIS.
lightingSystemType (String16)	Type of lighting system[FGDC]..
ellipsoidHeight (Real) ^{~1}	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question.
disposition (String16) ^{~1}	What was done to obstruction[Airport]..
oisSurfaceCondition (CodeOisSurfaceCondition) ^{~1}	The Obstruction Identification Surface that Obstructing Area represents.
frangible (CodeBoolean) ^{~1}	A Boolean indicating whether the object is frangible.
faaCoordinationCode (CodeBoolean) ^{~1}	A Boolean indicating whether the obstruction has received FAA coordination or review.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

elevationAccuracy (Real)	The accuracy of the obstacle elevation value[AIXM]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



`userFlag (String254)`^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

`guid (String40)`^{~2} A globally unique identifier applied to each feature in the database for reference.

`assetId (String30)`^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Obstruction Area^{~1}

(Database=ObstructionArea; FAA=ObstructionArea)

Geometry Type: Polygon

Accuracy: +/-20

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)`^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

`name (String50)`^{~1} Name of the feature.

`alias (String60)`^{~2} An alternative or former name by which the feature is referred.

`obstructionNumber (String30)`^{~1} Provide the Aeronautical Study Number assigned by the FAA in the appropriate format (if known).

Attributes:

`status (CodeStatus)`^{~1} A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

`obstacleType (CodeObstacleType)`^{~1} The type of object.

`obstacleSource (CodeObstacleSource)`^{~1} Identify how or where the object was identified.

`aboveGroundLevel (Real)`^{~1} The vertical distance from the ground to the highest point of the object.

`distanceFromDisplacedThreshold (Real)`^{~1} 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)`^{~1} 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)`^{~1} 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)`^{~1} 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) ^{~1}	Height above airport the official airport elevation point[NGS]..
heightAboveRunway (Real) ^{~1}	Height above runway physical end for objects located underneath the approach surface.
heightAboveTouchdownZone (Real) ^{~1}	Height above touchdown zone elevation for objects located underneath the approach surface[NGS]..
lightCode (CodeBoolean) ^{~1}	A code indicating that the obstacle is lighted[AIXM]..
markingFeatureType (CodeMarkingFeatureType) ^{~1}	The type of the marking.
penValSpecified (Integer) ^{~1}	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) ^{~1}	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) ^{~1}	Type of obstructing area.
disposition (String255) ^{~1}	The disposition of the airspace obstruction.
oisSurfaceCondition (CodeOisSurfaceCondition) ^{~1}	The Obstruction Identification Surface that Obstructing Area represents.
length (Real) ^{~1}	The overall length of the obstruction.
width (Real) ^{~1}	The overall width of the obstruction.
frangible (CodeBoolean) ^{~1}	A Boolean indicating whether the object is frangible.
height (Real)	The overall height of the obstruction from the surface of the earth[SDSFIE Feature Table]..
faaCoordinationCode (CodeBoolean) ^{~1}	A Boolean indicating whether the obstruction has received FAA coordination or review.
ellipsoidHeight (Real) ^{~1}	The height above the reference ellipsoid, measured along the ellipsoidal outer normal through the point in question.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Obstruction Identification Surface^{~1}

(Database=ObstructionIdSurface; FAA=ObstructionIdSurface)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	A commonly used name for the zone.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
runwayDesignator (String7) ^{~1}	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) ^{~1}	Specify runwayEnd designator for the Vertically Guided Approach Surface (VGAS) and for the Vertically Guided Protection Surface (VGPS)[FAA AC150/5300-18b].
oisSurfaceType (CodeOisSurfaceType) ^{~1}	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) ^{~1}	Specifies zones within Obstruction Identification Surfaces (OIS).
oisSurfaceCondition (CodeOisSurfaceCondition) ^{~1}	The Obstruction Identification Surface that Obstructing Area represents.



safetyRegulation (String20) ^{~1}	An identifier for the safety regulations in effect within the zone.
zoneUse (String50) ^{~1}	A description of the use of the zone.
approachGuidance (CodeApproachGuidance) ^{~1}	Defines the type of approach guidance the OIS is meant to protect.
slope (Real) ^{~1}	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.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Penetration

(Database=Penetration)

Geometry Type: Point

Accuracy: +/-20

Sensitivity: Restricted

An object that penetrates an airspace obstruction identification surface

Names and Identifiers:



id (String40) ^{~2}	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) ^{~2}	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)	Text that provides additional information about 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.
elevation (Real)	Elevation of the point relative to the selected vertical datum.
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]..
latitude (Real)	Latitude in decimal degrees with negative numbers used for Western Hemisphere.
longitude (Real)	Longitude in decimal degrees with negative numbers used for Western Hemisphere.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking.
safetyRegulation (String20)	The safety regulation used to determine the penetration of the obstruction identification surface.
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:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Regulated Airspace

(Database=RegulatedAirspaceArea)

Geometry Type: Polygon

Accuracy: +/-40

Sensitivity: Confidential

3D airspace which must be confined due to the types of operations in that area. Includes any associated underlying surface and subsurface training areas. [SDSFIE*].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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	primary or foreign key value).
name (String30)	The title of the restricted area i.e.. R-4009[SDSFIE Feature Table]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
noticeNumber (String30)	The Notice to Airman number (i.e. 3/4223)[SDSFIE Feature Table]..
Attributes:	
elevation (Real)	The height of the restriction airspace measured from the a reference point or from sea level[SDSFIE Feature Table]..
featureType (String30)	Type of restriction[SDSFIE Feature Table]..
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
System Keys:	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Runway Protection Area^{~1}

(Database=RunwayProtectArea; FAA=RunwayProtectArea)



Geometry Type: Polygon

Accuracy: +/-

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 [FAA AC150/5300-18B].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
length (Integer) ^{~1}	The length of clearway as reported by the FAA Airport/Facility Directory and the Aeronautical Information Publication (AIP) for international airports.
type (CodeRunwayProtectionAreaType) ^{~1}	Code indicating the type of runway protection area being classified.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].



System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Cadastral

Airport Boundary^{~1}

(Database=AirportBoundary; FAA=AirportBoundary)

Geometry Type: Polygon Accuracy: +/-3 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
faaSiteNumber (String8) ^{~1}	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]..
faaLocationId (String4) ^{~1}	The location identifier assigned to the feature by FAA.
iataCode (String4) ^{~1}	The location identifier assigned to the feature by International Air Transport Association (IATA).
icaoCode (String4) ^{~1}	The location identifier assigned to the airport by the ICAO.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
IndFacTypeCode (String2)	Landing facility type.
airportFacilityType (CodeAirportFacilityType) ^{~1}	The type of airfield.
operationsType (CodeOperationsType) ^{~1}	The type of operations permitted on the airfield.
owner (CodeOwner) ^{~1}	The type of owner of the airfield.
area (Integer)	The total area of the boundary.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Airport Parcel^{~1}

(Database=AirportParcel; FAA=AirportParcel)

Geometry Type: Polygon

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
parcelNumber (String12) ^{~1}	Any locally used number to identify the parcel.
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
authority (String75) ^{~1}	The owner of the airport parcel.
acquisitionType (CodeAcquisitionType) ^{~1}	The type of acquisition used to acquire the parcel.
costToAcquire (Real) ^{~1}	The amount paid to the owner in U.S. dollars for the parcel.
dateAcquired (String8) ^{~1}	The date the parcel was acquired. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
howAcquired (CodeHowAcquired) ^{~1}	The manner in which the parcel was acquired.
acquisitionPurpose (String50) ^{~1}	Acquisition purpose.
grantProjectNumber (String30) ^{~1}	The grant number if Federal funds were used to acquire the parcel.
passengerChargeNumber (String30) ^{~1}	Passenger Facility Charge Number.
marketValue (Real) ^{~1}	The assessed market value of the parcel in U.S. dollars when it was acquired.
assessedValue (Real) ^{~1}	The most recent assessed value of the airport parcel.
yearAssessed (Integer) ^{~1}	The year in which the market value assessment was made.
yearBuilt (Integer) ^{~1}	The year in which the most recent structure(s) were built on the parcel.
area (Real) ^{~1}	The size of the area, zone, or polygon in square units.
recordedArea (Real)	The number of acres on record.
deedReference (String30) ^{~1}	Reference to where the deed to the airport parcel is recorded in such information as Plat Book and Page.
legalDescription (String240) ^{~1}	The complete legal description of the property as it appears in the deed.
previousOwner (String75) ^{~1}	Previous owner of the airport parcel.
completeAddressNumber (String10)	The numeric identifier for a land parcel, house, building or other feature, including an optional prefix and suffix[FGDC Street Address Data Standard]..
completeStreetName (String60)	Official name of a street as assigned by a local governing authority, or an alternate (alias) name that is used and recognized[FGDC Street Address Data Standard]..
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]..
county (String40)	The name of the county in which the parcel falls.
state (String2)	The fifty states, District of Columbia, and U.S. territories and outlying possessions, represented by their two-letter FIPS abbreviation[FGDC Street Address Data Standard]..
postalCode (String10)	A five-digit code that identifies a specific geographic delivery area[FGDC Street Address Data Standard]..



landUse (CodeLandUseType)	The land use of the parcel when it was acquired.
useOfParcel (String16) ^{~1}	The current primary use of the airport parcel.
zoningClass (CodeZoningClass)	The zoning classification of the parcel.
easement (CodeEasementType)	An indicator of the type of easement which has been granted for this parcel.
pricePaid (Real)	The price that was paid when the parcel was acquired.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

County^{~1}

(Database=County; FAA=County)

Geometry Type: Polygon

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
politicalName (String30) ^{~1}	The common name associated with the property area.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Development Area

(Database=DevelopmentArea)

Geometry Type: Polygon

Accuracy: +/-25

Sensitivity: Restricted

An area of land intended for development.

Names and Identifiers:

id (String40) ^{~2}	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 development area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

intendedUse (CodeLandUseType)	The intended use of the development area.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Easements And Rights of Way^{~1}

(Database=EasementsAndRightsofWay; FAA=EasementsAndRightsofWay)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Confidential

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	The status of the parcel. (Active, inactive, terminated).
purpose (String30) ^{~1}	Project purpose for which the easement was acquired.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].



System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

FAA Region^{~1}

(Database=FaaRegionArea; FAA=FAARegionArea)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Unclassified

This feature depicts the FAA regions. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the FAA region.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Land Use^{~1}

(Database=LandUse; FAA=LandUse)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Confidential

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

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

Name of the land use area.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

publicFacilityName (String50)

Name of public facility, if present and if known[Airport]..

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

useType ([CodeLandUseType](#))^{~1}

The way in which the land is being used.

publicFacilities ([CodeBoolean](#))

Is a public facility present[Airport]..

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Lease Area^{~1}

(Database=LeaseZone; FAA=LeaseZone)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Unclassified

A parcel of land leased by an individual, agency, or organization for their use. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
tenantName (String75) ^{~1}	The current name of the tenant occupying the leased parcel.
cadPage (String10)	Reference to the hard copy page which this data has traditionally be plotted on.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

lmsId (String10)	A foreign key link to the airports lease management system.
subClass (String40)	The sub-class of space utilization.
subType (String40)	The sub-type of space utilization.
permitUse (String20) ^{~1}	Permitted use of the leased parcel.
leasedArea (Real) ^{~1}	Area accounted for in the lease for a parcel.



actualArea (Real) ^{~1}	Actual measured area of the leased parcel.
expectedLeaseExpirationDate (String8) ^{~1}	The date the lease is expected to expire. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
legalDescription (String240) ^{~1}	The complete legal description of the property as it appears in the deed.
status (CodeStatus) ^{~1}	The status of the parcel. (Active, inactive, terminated).
subTenantName (String75)	The current name of the subtenant occupying the leased parcel or interior space.
farmedArea (Real)	The area of land that is farmed.
areaUOM (CodeUomArea)	The unit of measure for area calculations.
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.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Municipality^{~1}

(Database=Municipality; FAA=Municipality)

Geometry Type: Polygon

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The common name associated with the property area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].



System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Municipality Location

(Database=MunicipalityLocation)

Geometry Type: Point Accuracy: +/-100 Sensitivity: Unclassified

The location of a municipality (generally at or near the centroid of the jurisdictional boundary).

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String30)	The common name associated with the property area[SDSFIE Feature Table]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user



defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Parcel^{~1}

(Database=Parcel; FAA=Parcel)

Geometry Type: Polygon

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The common name associated with the property area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
parcelNumber (String12) ^{~1}	Any locally used number to identify the parcel.
grantProjectNumber (String30) ^{~1}	The grant number if Federal funds were used to acquire the parcel.

Attributes:

useOfParcel (String16) ^{~1}	The current primary use of the parcel.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
legalDescription (String240) ^{~1}	The complete legal description of the property as it appears in the deed.
assessedValue (Real) ^{~1}	The most recent assessed value of the parcel.
deedReference (String30) ^{~1}	Reference to where the deed to the parcel is recorded in such information as Plat Book and Page.
authority (String75) ^{~1}	The owner of the parcel.
dateAcquired (String8) ^{~1}	The date the parcel was acquired by the current owner. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
streetAddress (String255)	Physical address of property.
completeAddressNumber (String10)	The numeric identifier for a land parcel, house, building or other feature, including an optional prefix and suffix[FGDC Street Address Data Standard].
previousOwner (String75) ^{~1}	Previous owner of the parcel.



completeStreetName (String60)	Official name of a street as assigned by a local governing authority, or an alternate (alias) name that is used and recognized[FGDC Street Address Data Standard]..
acquisitionType (CodeAcquisitionType) ^{~1}	The type of acquisition used to acquire the parcel.
acquisitionPurpose (String50) ^{~1}	Acquisition purpose.
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]..
costToAcquire (Real) ^{~1}	The amount paid to the owner in U.S. dollars for the parcel.
state (String2)	The fifty states, District of Columbia, and U.S. territories and outlying possessions, represented by their two-letter FIPS abbreviation.
howAcquired (CodeHowAcquired) ^{~1}	The manner in which the parcel was acquired.
postalCode (String10)	A five-digit code that identifies a specific geographic delivery area[FGDC Street Address Data Standard]..
marketValue (Real) ^{~1}	The assessed market value of the parcel in U.S. dollars when it was acquired.
yearAssessed (Integer) ^{~1}	The year in which the market value assessment was made.
yearBuilt (Integer) ^{~1}	The year in which the most recent structure(s) were built on the parcel.
area (Real) ^{~1}	The size of the area, zone, or polygon in square units.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

State^{~1}

(Database=State; FAA=State)

Geometry Type: Polygon

Accuracy: +/-

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)^{~2}

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

name (String50)^{~1}

The common name associated with the property area.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world



	condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Venue^{~3~4}

(Database=Venue)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

A Venue models the presence, location and approximate extent of a place. A Venue is an abstract modeling concept whose only tangible elements are the associated descriptive properties, and the other feature types that lay (within)(Glossary.md, within) it [IMDF].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
name (String80) ^{~3~4}	The official name for the Venue as declared by the Venue Organization.[IMDF].

Attributes:

accessType (String50) ^{~3}	.
address (String255) ^{~3}	.
altName (String320) ^{~4}	.
areaGross (Real) ^{~3}	.
areaNet (Real) ^{~3}	.
contactEmail (String100) ^{~3}	.
contactExtension (String10) ^{~3}	.
contactName (String100) ^{~3}	.
contactPhone (String50) ^{~3}	.
contactUrl (String255) ^{~3}	.



country (String2) ^{~3}	.	
dateBuilt (Date8) ^{~3}	.	
description (String255) ^{~3}	.	Text that provides additional information about the feature.
displayPoint (String255) ^{~4}	.	
elevationAbsolute (Real) ^{~3}	.	
elevationRelative (Real) ^{~3}	.	
facilityId (String255) ^{~3}	.	
facilityNumber (Integer4) ^{~3}	.	
heightAbsolute (Real) ^{~3}	.	
heightrelative (Real) ^{~3}	.	
hours (String255) ^{~4}	.	
imageUrl (String255) ^{~3}	.	
levelsAboveGround (Integer4) ^{~3}	.	
levelsTotal (Integer4) ^{~3}	.	
locality (String100) ^{~3}	.	
nameLong (String255) ^{~3}	.	
nameSubtitle (String100) ^{~3}	.	
unit (String10) ^{~3}	.	
postalCode (String8) ^{~3}	.	A five-digit code that identifies a specific geographic delivery area.
useType (String50) ^{~3}	.	
province (String50) ^{~3}	.	
rotation (Real) ^{~3}	.	
siteId (String255) ^{~3}	.	
siteName (String100) ^{~3}	.	
category (Enumeration18) ^{~4}	.	The category that best describes the function of the physical Venue.[IMDF]..
website (String255) ^{~4}	.	Website URL.[IMDF]..
phone (String20) ^{~4}	.	Main phone number.[IMDF]..
restriction (Enumeration13) ^{~4}	.	The category that best describes a restriction that applies to the entire physical Venue.[IMDF]..

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
addressId (String40) ^{~4}	.

Zoning^{~1}

(Database=Zoning; FAA=Zoning)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



status (CodeStatus) ^{~1}	The status of the parcel. (Active, inactive, terminated).
landOwnerRestriction (String60) ^{~1}	Codes determining the land owner restriction for the parcel[SDSFIE Feature Table].
zoningClassification (CodeZoningClass) ^{~1}	The zoning classification of the parcel.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Cultural_Resources

Archeological Site

(Database=ArcheologicalSite)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

The location of a registered archeological site. [SDSFIE].

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
siteName (String30)	Name of the cultural resource site[SDSFIE Attribute Table]..
siteDesignator (String20)	Primary site designation[SDSFIE Attribute Table]..

Attributes:

dateEstablished (Date)	The date the site was established. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)[SDSFIE Attribute Table]..
disturbed (CodeDisturbance)	The level of disturbance of the site[SDSFIE Attribute Table]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Archeological Survey Area

(Database=ArcheologicalSurveyArea)



Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

The location of an area which has been surveyed for archeological purposes.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
---------------------------------------	--

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Historic District

(Database=HistoricDistrict)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted



A group of related buildings or streetscapes that demonstrate the historical development of an area.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Historic Site

(Database=HistoricSite)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

A location of historic significance.



Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Landmark^{~3}

(Database=Landmark)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

Something of cultural significance

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.

Attributes:

description (String255) ^{~3}	Text that provides additional information about the feature.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
levelName (String100) ^{~3}	.
levelNumber (Integer4) ^{~3}	.
longName (String255) ^{~3}	.
name (String100) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
sectionId (String255) ^{~3}	.
sectionName (String100) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
uid (String255) ^{~3}	.
unitId (String255) ^{~3}	.
unitName (String100) ^{~3}	.
useType (String50) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Environmental

Air Quality Area

(Database=AirQualityArea)

Geometry Type: Polygon

Accuracy: +/-20

Sensitivity: Confidential

An area with consistent air quality characteristics.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Bio Diversity Area

(Database=BioDiversityArea)

Geometry Type: Polygon

Accuracy: +/-20

Sensitivity: Confidential

An area with similar biological characteristics

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Ditch

(Database=Ditch)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Restricted

A depression in the earth

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String50)	.
sri (String20)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.



description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Drainage Flow

(Database=DrainageFlow)

Geometry Type: Line

Accuracy: +/-1

Sensitivity: Restricted

The direction of flow of surface liquids.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.



Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Environmental Contamination Area^{~1}

(Database=EnvironmentalContaminationArea; FAA=EnvironmentalContaminationArea)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name of a specific facility.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



pollutant (String80)	The common name of the pollutant.
quantityFound (Integer)	The quantity of the pollutant found at this location.
environmentalHazardCategory (String16) ^{~1}	Indicates the broad category or type of the most prevalent or serious environmental hazard present at the site.
pollutantReleaseType (String16) ^{~1}	A descriptor for the type of pollutant release experienced.
severity (String16) ^{~1}	A descriptor for the severity of the pollution.
remediationUrgency (String16) ^{~1}	A code indicating the urgency for accomplishing a site remediation project.
toxicStatusOfPollutant (String16) ^{~1}	A descriptor for the toxic status of the pollution.
status (CodeStatus) ^{~1}	The code indicating whether the facility status is Active or Inactive.
dateFound (String8) ^{~1}	The date the pollution was discovered. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
cause (String16) ^{~1}	A code indicating the cause of the pollution.
pollutantSource (String16) ^{~1}	The actual or suspected source of the pollutant.
report (String255)	The name of the report in which the discovery of the pollutant is documented.
sampleId (String40)	The unique identifier of the sample taken to verify the presence of this pollutant at this location.
location (String255)	A description of the location where the pollutant was found.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fauna Habitat Area

(Database=FaunaHabitatArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

An area where there are wildlife activities.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

An operator defined work area. This attribute can be used by the operator for user



defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fauna Hazard Area^{~1}

(Database=FaunaHazardArea; FAA=FaunaHazardArea)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
hazardType (CodeHazardType) ^{~1}	A descriptor of the type of the hazard.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world



editorName (String50) ^{~2}	condition.
dateLastUpdate (Date) ^{~2}	The name of the individual who last edited this record.
userFlag (String254) ^{~1}	The date upon which any data associated with this record was last updated.
	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flood Plain^{~1}

(Database=FloodZone; FAA=FloodZone)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
zoneType (CodeZoneType) ^{~1}	The zoning classification of the area.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flora Species Site^{~1}

(Database=FloraSpeciesSite; FAA=FloraSpeciesSite)

Geometry Type: Point

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
plantType (String16) ^{~1}	A descriptor of the type of flora.
plantHeight (Real) ^{~1}	The average height of the flora species.
habitatCritical (String1)	Defines if the habitat has been designated as a critical habitat under (C) the Endangered species Act or has not been so designated (N)[SDSFIE Feature Table]..
endangeredSpeciesActSite (CodeBoolean) ^{~1}	Defines if the habitat has been designated as a critical habitat under (C) the Endangered species Act or has not been so designated (N).
specCon (CodeSpeciesConditionsType)	The condition of the species at the time it was sighted[NAVFAC]..



kingdom (CodeTaxonomyType) ^{~1}	Identifies one of the five kingdoms into which all living organisms are classified[NAVFAC].
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flora Habitat Area^{~1}

(Database=ForestStandArea; FAA=ForestStandArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.



alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

habitatCategory (String16)^{~1}

Discriminator - The designation or type of the special wildlife habitat.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Game Control Area

(Database=GameControlArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

An area where wildlife control measures are permitted.

Names and Identifiers:



id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Geological Area

(Database=GeologicalArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

An area on common geologic properties.

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system



	primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
<u>Attributes:</u>	
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Gully

(Database=Gully)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

A depressed area of land

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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name (String60)	Common name associated with the feature.
alias (String60)	An alternative or former name by which the feature is referred.
<u>Attributes:</u>	
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Hazardous Material Storage Site^{~1}

(Database=HazardousMaterialStorageSite; FAA=HazardousMaterialStorageSite)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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	primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
storeHazardousMaterialCategory (CodeHazardCategory) ^{~1}	The general type or category of contained hazardous material stored.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Impervious Surface

(Database=ImperviousSurface)



Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

A surface that does not allow water to penetrate.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Monitoring Well

(Database=MonitoringWell)



Geometry Type: Point

Accuracy: +/-10

Sensitivity: Confidential

The location of a permanently installed well used for monitoring underground water quality.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Noise Contour^{~1}

(Database=NoiseContour; FAA=NoiseContour)



Geometry Type: Polygon

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
contourValue (Real) ^{~1}	The decibel level of the contour line.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Noise Incident^{~1}

(Database=NoiseIncident; FAA=NoiseIncident)

Geometry Type: Point

Accuracy: +/-50

Sensitivity: Restricted

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

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

reporter (String50)^{~1}

The name of the individual or organization reporting the incident.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Noise Monitoring Point^{~1}

(Database=NoiseMonitoringPoint; FAA=NoiseMonitoringPoint)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

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

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pollution Source

(Database=PollutionSourceLocation)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

Point of origin of a chemical, radioactive, medical, or mixed non-permitted waste discharge, spill, or uncontrolled release which can result in pollution to the environment.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

unit (CodeUom)	.
size (String20)	.
secondaryfuel (CodeFuel)	.
primaryFuel (CodeFuel)	.
emissionsource (String40)	.
emissioniddescription (String300)	.
dateInstalled (Date8)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

RecyclingBin

(Database=RecyclingBin)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

A receptacle used to collect goods for recycling.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

materialAccepted (String100)	The types of material accepted in this bin.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Refuse Disposal Area

(Database=RefuseDisposalArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

An area designated for the disposal of non-hazardous, solid material.

Names and Identifiers:

id (String40) ^{~2}	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) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String40)	Type of feature[AC 150/5300-18b]..
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Resource Protection Area

(Database=ResourceProtectionArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

An area of land in which natural resources are protected.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
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Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Sample Collection Point^{~1}

(Database=SampleCollectionPoint; FAA=SampleCollectionPoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Confidential

The physical location at which a sample is collected. [Derived from SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
companyName (String60)	The name of the company responsible for obtaining the sample.

Attributes:

locationType (CodeLocationClass)	Code describing the type of location which is undergoing sampling (e.g., bh=borehole, wl=well). IRPIMS[SDSFIE Feature Table].
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status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
collectionPointLocation (CodeSamplePointLocation) ^{~1}	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)	The ground elevation where the sample was collected at the time of collection.
type (String50)	.
sri (String20)	.
lonStart (Real)	.
latStart (Real)	.
fillType (String50)	.
condition (String50)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
dateSampleTaken (Date)	The date on which the sample was taken.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].



System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Shoreline^{~1}

(Database=Shoreline; FAA=Shoreline)

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

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	A commonly used name for the shoreline.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
shorelineType (CodeShorelineType) ^{~1}	Discriminator - A value indicating the type or kind of shoreline.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Shoreline Critical Area

(Database=ShorelineCriticalArea)

Geometry Type: Polygon

Accuracy: +/-40

Sensitivity: Restricted

An area of land extending from the shoreline where development is regulated. Activities within this critical area have the greatest potential for affecting water quality as well as fish, plant, and wildlife habitat. [SDSFIE*].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String20)	A commonly used name for the shoreline buffer[SDSFIE Attribute Table]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

bufferType (CodeShoreBufferType)	The type of the shoreline buffer[SDSFIE Attribute Table]..
bufferDistance (Real)	The linear distance that the buffer extends from the shoreline[SDSFIE Attribute Table]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Stock Pile

(Database=StockPile)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

An area in which material such as soil is stored.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Stream Assessment Line

(Database=StreamAssessmentLine)

Geometry Type: Line

Accuracy: +/-1

Sensitivity: Restricted

Used for stream assessments and other types of linear assessments.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world



editorName (String50) ^{~2}	condition.
dateLastUpdate (Date) ^{~2}	The name of the individual who last edited this record.
userFlag (String254) ^{~1}	The date upon which any data associated with this record was last updated.
	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Watershed

(Database=WatershedArea)

Geometry Type: Polygon

Accuracy: +/-40

Sensitivity: Restricted

The region or area drained by, or to, a particular body of water. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	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 associated with the watershed[SDSFIE Attribute Table].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Wetland^{~1}

(Database=Wetland; FAA=Wetland)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Any commonly used name for the wetland.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
featureType (String16) ^{~1}	A descriptor of how the wetland is depicted graphically.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Events

Accident

(Database=Accident)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location of a vehicular collision with another vehicle or object.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Accident Site

(Database=AccidentSite)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

The area location of a vehicular collision with another vehicle or object.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
---------------------------------------	--

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Incident^{~3}

(Database=Incident)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location where an event worth recording occurred at a specific point in time, not warranted to be considered an accident.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
IncidentNumber (String20)	A unique number or code assigned to uniquely identify the incident.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.
levelNumber (Integer4) ^{~3}	.

Attributes:

IncidentType (CodeIncidentType)	The type of incident which occurred.
dateOccurred (Date)	The date on which the incident occurred.
displayScaleId (String255) ^{~3}	.
elevationAbsolute (Real) ^{~3}	.



ElevationRelative (Real) ^{~3}	.
eventId (String255) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightAbsolute (Real) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
locationId (Integer4) ^{~3}	.
name (String100) ^{~3}	.
nameLong (String255) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
sectionId (String255) ^{~3}	.
sectionName (String100) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
unitId (String255) ^{~3}	.
unitName (String100) ^{~3}	.
useType (String50) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Incident^{~3}

(Database=Incident)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location where an event worth recording occurred at a specific point in time, not warranted to be considered an accident.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
IncidentNumber (String20)	A unique number or code assigned to uniquely identify the incident.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.
levelNumber (Integer4) ^{~3}	.

Attributes:

IncidentType (CodeIncidentType)	The type of incident which occurred.
dateOccurred (Date)	The date on which the incident occurred.
displayScaleId (String255) ^{~3}	.
elevationAbsolute (Real) ^{~3}	.
ElevationRelative (Real) ^{~3}	.
eventId (String255) ^{~3}	.



facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightAbsolute (Real) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
locationId (Integer4) ^{~3}	.
name (String100) ^{~3}	.
nameLong (String255) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
sectionId (String255) ^{~3}	.
sectionName (String100) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
unitId (String255) ^{~3}	.
unitName (String100) ^{~3}	.
useType (String50) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Incident Site

(Database=IncidentSite)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

The area in which an event worth recording occurred at a specific point in time, not warranted to be considered an accident.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
IncidentNumber (String20)	A unique number or code assigned to uniquely identify the incident.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

IncidentType (CodeIncidentType)	The type of incident which occurred.
dateOccurred (Date)	The date on which the incident occurred.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Permit Point

(Database=Permit)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location to be affected by a proposed activity.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
---------------------------------------	--

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Work Order

(Database=WorkOrder)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location where work is to be or has been performed to fix or perform preventative maintenance of a facility or asset.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

repairMade (String255)	.
dateTimeFollowup (Date8)	.
dateTimeObserved (Date8)	.
dateTimeRepaired (Date8)	.
daysToRepair (Integer4)	.
discrepancyClassification (String50)	.
location (String255)	A textual description of the location of this feature.
accountableForRepair (String50)	.
regulation (String40)	.



repairTech (String50)	.
supervisor (String50)	.
type (CodeWorkOrderType)	.
url1 (String255)	.
workOrderNumber (String7)	.
workOrderStatus (CodeWorkOrderStatus)	.
workRequired (String255)	.
originator (String50)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Geodetic

Airport Control Point^{~1}

(Database=AirportControlPoint; FAA=AirportControlPoint)

Geometry Type: Point

Accuracy: +/-

Sensitivity: Restricted

Points on the airfield possessing significant geographic importance, such as the Primary and Secondary Airport Control Stations (PACS SACS), Runway Intersections, Airport Elevation, centerline perpendicular points for NAVAIDs, Stopway Ends, Profile Points [NGS].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
permanentId (String6) ^{~1}	Permanent point identifier assigned by NGS to PACS and SACS[NGS]..
name (String50) ^{~1}	Any commonly used name for the control point.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
stampedDesignation (String50) ^{~1}	The designation stamped onto the monument.

Attributes:

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



airportGridEasting (Real)	The Easting or X coordinate in an airport defined coordinate system.
airportGridNorthing (Real)	The Northing or Y coordinate in an airport defined coordinate system.
observationDate (Date)	The data on which the position measurements were taken.
toReachDirections (String254)	Textual directions on how to find this monument with direction and distance offsets from nearby, easy to find landmarks.
accessibility (CodeAccessibilityType)	The type of access to this point.
rinexFileName (String20)	The name of the Receiver Independent Exchange Format file that contains data about the position measurement of this point.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

elevationSource (String100)	The name of the surveying firm or airport staff member who collected the elevation information.
coordinateZone (CodeCoordinateZone) ^{~1}	The State Plane Coordinate System Code for where the airport is primarily located.
epoch (String10) ^{~1}	Survey epoch used to establish the control point.
monumentSetBy (String100)	The name of the surveying firm or airport staff member who set the monument.
coordinateSource (String100)	The name of the surveying firm or airport staff member who collected the coordinate information.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Reference Grid Line^{~1}

(Database=CoordinateGridArea; FAA=CoordinateGridArea)

Geometry Type: Line Accuracy: +/- 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	The name, code or identifier used to refer to an individual grid cell.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
gridType (CodeGridType) ^{~1}	Code indicating the type of grid.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Elevation Contour^{~1}

(Database=ElevationContour; FAA=ElevationContour)

Geometry Type: Line Accuracy: +/- 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
length (Real) ^{~1}	The overall length of the feature.
contourValue (Real) ^{~1}	The elevation of the contour line[SDSFIE Feature Table].
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Image Area^{~1}

(Database=ImageArea; FAA=ImageArea)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Confidential

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
frameID (String20) ^{~1}	Image identification number of the covered area.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
photoDate (String8) ^{~1}	Date the aerial photography was flown. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Image Location

(Database=ImageLocation)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

The location where an image was taken.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	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.
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 the horizon (with 90 pointing straight up vertically at the sky and -90 pointing straight down at the ground aka NADIR) 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.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Interior

Amenity^{~4}

(Database=Amenity)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified



An Amenity models the physical presence and approximate point location of a pedestrian amenity that serves a utilitarian purpose or other convenience that serves to enhance the pedestrian experience. Examples of amenities include ATMs, Baggage Carousels, [IMDF].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String255) ^{~4}	Alternative name for the Amenity that may be recognized by the Venue Organization.[IMDF]..
name (String255) ^{~4}	The name of the Amenity as declared by the Venue Organization.[IMDF]..

Attributes:

website (String255) ^{~4}	Website URL.[IMDF]..
phone (String255) ^{~4}	Main phone number.[IMDF]..
hours (String255) ^{~4}	Hours of operation.[IMDF]..
accessibility (Enumeration255) ^{~4}	Indicates the type of accessibility provided by the Amenity to a pedestrian that experiences disabilities.[IMDF]..
category (Enumeration28) ^{~4}	The category that best describes the function and or service provided by the Amenity.[IMDF]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

addressId (String40)^{~4}

.

unitIds (String40)^{~4}

.

correlationId (String40)^{~4}

.

Baggage Carousel

(Database=BaggageCarousel)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Baggage system carousels

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

carouselId (String60)

Common name associated with the feature[Airport]..

tenantName ([CodeAirline](#))

The name of the current tenant using the baggage carousel.

floorLevel ([CodeFloorLevel](#))

The level of a building on which the feature exists.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique 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.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Baggage Conveyor

(Database=BaggageConveyor)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Baggage system conveyors

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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 (String16)	An alphanumeric string of characters that indicate the unique 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.
direction (CodeDirection)	The direction of flow of baggage on the conveyor.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Column

(Database=BuildingColumn)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted



Structural columns of a building

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
columnId (String10)	A unique identifier assigned to the Column.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

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.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should



not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Building Zone^{~3~4}

(Database=BuildingZone)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

A subsection of a building used for reference purposes.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3~4}	The level of a building on which the feature exists.

Attributes:

accessibility (Enumeration255) ^{~3~4}	.
areaGross (Real) ^{~3}	.
areaNet (Real) ^{~3}	.
deadZoneId (String255) ^{~3}	.
displayPoint (String255) ^{~4}	.
elevationAbsolute (Real) ^{~3}	.
elevationRelative (Real) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightAbsolute (Real) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
name (String255) ^{~3~4}	.
nameLong (String255) ^{~3}	.



nameSubtitle (String100) ^{~3}	.
restriction (Enumeration13) ^{~4}	.
sectionId (String255) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
subtitle (String100) ^{~3}	.
trackingZoneId (String255) ^{~3}	.
trackType (Enumeration12) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.
zoneId (String255) ^{~3}	.
Category (Enumeration255) ^{~4}	Category of space usage or utilization of the area. It is defined according to the presiding national building code[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
addressId (String40) ^{~4}	.
correlationId (String40) ^{~4}	.
parents (String40) ^{~4}	.

Column Grid

(Database=ColumnGrid)

Geometry Type: Polygon

Accuracy: +/-1

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Column Line

(Database=ColumnLine)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Confidential

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

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique 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)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

ReferenceLine^{~3~4}

(Database=Detail)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Unclassified

A Detail models the presence, location and extent of a physical object. Recognition of the feature in a map is heavily dependent upon the spatial context and (cognitive recognition)(Glossary.md, cognitive-recognition). ((Illustration)(Glossary.md, detail- [IMDF]).

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.

Attributes:

description (String255) ^{~3}	Text that provides additional information about the feature.
detailId (String255) ^{~3}	.
elevationAbsolute (Real) ^{~3}	.
elevationRelative (Real) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightAbsolute (Real) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
siteId (String255) ^{~3}	.



siteName (String100)^{~3} .
 useType (String50)^{~3} .
 verticalOrder (Integer4)^{~3} .

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Door^{~4}

(Database=Door)

Geometry Type: Line

Accuracy: +/-0.5

Sensitivity: Restricted

Line where door is located within a wall

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

name (String255) The name of the feature.



alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel) ^{~4}	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:

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]..
secureArea (CodeSecureArea)	The type of highest level security area to which this feature provides access[SDSFIE Attribute Table]..
accessedArea (CodeAccess)	The name of the area which is accessed to or 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 opened without authorization.
displayPoint (String255) ^{~4}	.
panelMaterial (CodeMaterialType)	The material of which the door is constructed.
doorType (String21) ^{~4}	Describes the physical nature of the door. The type member of a Door object indicates the physical nature of the door present at the Opening.[IMDF]..
doorMaterial (String5) ^{~4}	Describes the physical nature of the door. The material member of a Door object indicates the (primary) material used to fabricate the physical door.[IMDF]..
isDoorAutomatic (CodeBoolean) ^{~4}	Describes the physical nature of the door. The automatic member of a Door object indicates the manual or automatic operation of the physical door at the opening.[IMDF]..
accessControl (Enumeration17) ^{~4}	Indicates the type of access control system(s) possessed by the Opening.[IMDF]..
accessibility (Enumeration19) ^{~4}	Indicates the type of accessibility provided by the Opening to a pedestrian that experiences disabilities.[IMDF]..
category (Enumeration20) ^{~4}	The category that best describes the function of the physical entrance.[IMDF]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Elevator

(Database=Elevator)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Area of a floor where an elevator shaft is located

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
elevatorId (String25)	A unique identifier assigned to the Elevator.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Escalator

(Database=Escalator)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted



Area of a floor occupied by escalators

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
escalatorId (String25)	A unique identifier assigned to the Escalator.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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 common name used to refer to the manufacturer.
modelName (String20)	The model number assigned by the manufacturer.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flooring Material

(Database=FlooringMaterial)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

Are of floor with a common material type.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

floorLevel ([CodeFloorLevel](#))

The level of a building on which the feature exists.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique 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]..

structuralMaterial ([CodeMaterialType](#))

The material used for the structural or inner composition of the floor.

flooringMaterial ([CodeFlooringMaterial](#))

The material used for the floor covering.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

metadata (Integer)

Foreign Key. Used to link the record to the applicable feature level metadata record(s).

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Furnishing^{~4}

(Database=Furnishing)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Restricted

The location of various interior furnishings

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~4}	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
modelNumber (String20)	The model number assigned by the manufacturer.
name (String80) ^{~4}	The name of the Fixture as declared by the Venue Organization.[IMDF].

Attributes:

type (String60)	Common name associated with the feature[Airport].
manufacturerName (String60)	The common name used to refer to the manufacturer.
displayPoint (String36) ^{~4}	The curated location to use as the point-based representation of the Fixture.[IMDF].
category (Enumeration17) ^{~4}	The category that best describes the function of the physical Fixture.[IMDF].
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
anchorId (String40) ^{~4}	.

Interior Sign

(Database=InteriorSign)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Restricted

Signs located inside of a building.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
interiorSignId (String10)	A unique identifier assigned to the InteriorSign.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.



buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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.
modelName (String20)	The model number assigned by the manufacturer.

Attributes:

messageA (String255)	The primary text message which appears on the sign.
messageB (String255)	A secondary text message which appears on the sign.
manufacturerName (String60)	The common name used to refer to the manufacturer.
dateInstalled (Date)	The date on which the feature was originally installed.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

 **Kiosk**^{~4}

(Database=Kiosk)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

a small stand-alone device providing information and services on a computer screen [Merriam Webster].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~4}	The level of a building on which the feature exists.
name (String80) ^{~4}	The name of the Kiosk as declared by the Venue Organization.[IMDF]..

Attributes:

displayPoint (String255) ^{~4}	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
anchorId (String40) ^{~4}	.

Level^{~3~4}

(Database=Level)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

A Level models the presence, location and approximate physical extent of a floor area in:* A physical building where the Level's extent is expected to be analogous to the surface ((facade)(Glossary.md, facade)) of the physical building at the height where [IMDF].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorName (String50)	Name of the building floor[SDSFIE Feature Table]..
shortName (String20) ^{~4}	The short name of the Level as declared by the Venue Organization.[IMDF]..
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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]..
elevation (Real) ^{~3}	Elevation of the point relative to the selected vertical datum.
height (Real) ^{~3}	.
accessType (String50) ^{~3}	.
areaGross (Real) ^{~3}	.
areaNet (Real) ^{~3}	.
description (String255) ^{~3}	Text that provides additional information about the feature.
displayPoint (String255) ^{~4}	.
elevationRelative (Real) ^{~3}	.
facilityId (String255) ^{~3}	.



facilityName (String100) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
name (String255) ^{~3~4}	.
nameShort (String4) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
ordinal (Integer4) ^{~4}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
sourceMethod (String50) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.
outdoor (CodeBoolean) ^{~4}	If true, indicates that the Level feature is physically located outside of a building.[IMDF].
restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire physical Level.[IMDF].
category (Enumeration19) ^{~4}	The category that best describes the function of the physical Level.[IMDF].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

buildingId (String30)^{~4} A unique identifier assigned to the building as a means of linking it to associated records to other tables or systems.

addressId (String40)^{~4} .

Maintenance Responsibility Area

(Database=MaintenanceResponsibilityArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

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

Names and Identifiers:

id (String40)^{~2} 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)^{~2} An alternative or former name by which the feature is referred.

floorLevel ([CodeFloorLevel](#)) The level of a building on which the feature exists.

buildingNumber (String16) An alphanumeric string of characters that indicate the unique number of the building.

buildingName (String60) The name of the building associated with this feature.

Attributes:

responsibleParty (String60) A code representing the party who is responsible for performing maintenance in the designated area.

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Moving Sidewalk

(Database=MovingSidewalk)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Area of a floor occupied by a moving sidewalk

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
sidewalkId (String60)	Common name associated with the feature[Airport].
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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:

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 common name used to refer to the manufacturer.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Room^{~4}

(Database=Room)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Room outline within a building

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



roomName (String60) ^{~4}	Name of the building room[SDSFIE Feature Table]..
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

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]..
spaceFunction (Enumeration40)	The functional manner in which the space is to be used.
spaceUse (Enumeration40)	Narrative text describing the current use of the building space[SDSFIE Feature Table]..
width (Real)	Width dimension of a building room, measured from inside of wall to inside of wall[SDSFIE Feature Table]..
maxTemperature (Integer)	The maximum allowable temperature in the room for proper equipment operation.
ceilingCovering (CodeCeilingMaterial)	The height of the ceiling (at the lowest point) as measured from the floor.
accessibility (Enumeration19) ^{~4}	Indicates the type of accessibility provided by the Section to a pedestrian that experiences disabilities.[IMDF]..
restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire Section.[IMDF]..
category (Enumeration30) ^{~4}	The category that best describes the function of the Section.[IMDF]..
description (String255) ^{~1}	Text that provides additional information about the feature.
abcSubCategory (String60)	Sub category for the allocation of overhead costs to this asset for Activity Based Costing purposes[Airport]..

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
parent (String40) ^{~4}	Unique identifier of the Section(s) that this Section possesses a childparent relationship with.[IMDF]..

Route^{~3}

(Database=Route)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Unclassified

A path between two or more points

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

accessPedestrian (CodeBooleanNumeric) ^{~3}	.
accessWheelchair (CodeBooleanNumeric) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightFrom (Real) ^{~3}	.
heightTo (Real) ^{~3}	.
length3d (Real) ^{~3}	.
levelNameFrom (String100) ^{~3}	.
levelNameTo (String100) ^{~3}	.



locationType (Enumeration26) ^{~3}	.
pathwayRank (Enumeration26) ^{~3}	.
pathwayType (Enumeration26) ^{~3}	.
transitionRank (Enumeration26) ^{~3}	.
transitionType (Enumeration26) ^{~3}	.
travelDirection (Enumeration26) ^{~3}	.
uid (String255) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.
verticalOrderFrom (Integer4) ^{~3}	.
verticalOrderTo (Integer4) ^{~3}	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Space^{~3~4}

(Database=Space)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

A space not elsewhere classified within a building

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
spaceId (String50)	Name of the building space[SDSFIE Feature Table]..
occupantId (String30)	The identifier of the occupant assigned to this space.
occupantName (String80) ^{~4}	The name of the occupant assigned to this space[Airport]..
floorLevel (CodeFloorLevel) ^{~3~4}	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
name (String80) ^{~3~4}	The name of the Unit as declared by the Venue Organization.[IMDF]..

Attributes:

spaceFunction (Enumeration40)	The functional manner in which the space is to be used.
spaceUse (Enumeration40)	A description of how the space is being used.[SDSFIE Feature Table]..
ceilingHeight (Integer)	The minimum height of the ceiling in this space.
occupancyLimit (Integer)	The maximum number of occupants permitted in this space.
area (Real) ^{~3}	The size of the area, zone, or polygon in square units[SDSFIE Feature Table]..
height (Real) ^{~3}	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]..
capacity (Integer4) ^{~3}	.
contactEmail (String100) ^{~3}	.
contactExtension (String10) ^{~3}	.
contactName (String100) ^{~3}	.



contactPhone (String50) ^{~3}	.
contactUrl (String255) ^{~3}	.
displayPoint (String255) ^{~4}	.
elevationAbsolute (Real) ^{~3}	.
elevationRelative (Real) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightRelative (Real) ^{~3}	.
hours (String255) ^{~4}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
nameLong (String255) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
sectionId (String255) ^{~3}	.
sectionName (String100) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
unitId (String255) ^{~3}	.
useType (String50) ^{~3}	.
utilization (Integer4) ^{~3}	.
validity (String255) ^{~4}	.
verticalOrder (Integer4) ^{~3}	.
website (String255) ^{~4}	.
occupantPhone (String255) ^{~4}	Main phone number.[IMDF]..
occupantWebsite (String20) ^{~4}	Website URL.[IMDF]..
occupantHours (String36) ^{~4}	Hours of operation.[IMDF]..
occupantCategory (Enumeration25) ^{~4}	The category that best describes the function and or service provided by the Occupant.[IMDF]..
category (Enumeration20) ^{~4}	The category that best describes the function of the physical Unit.[IMDF]..



restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire physical Unit.[IMDF].
accessibility (Enumeration19) ^{~3~4}	Indicates the type of accessibility provided by the Unit to a pedestrian that experiences disabilities.[IMDF].
floorCovering (String60)	The material or finish used on the space flooring[Derived from buildingSmart IFC].
wallCovering (String60)	The material or finish used on the spaces walls[Derived from buildingSmart IFC].
ceilingCovering (CodeCeilingMaterial)	The material or finish used on the spaces ceilings[Derived from buildingSmart IFC].
skirtingBoard (String60)	The material or construction of the skirting board around the space flooring[Derived from buildingSmart IFC].
areaNet (Real) ^{~3}	The net area of planned usable space in square units.
publiclyAccessible (CodeBoolean)	Indication whether this space is designed to serve as a publicly accessible space (TRUE) or not publicly accessible space (FALSE)[Derived from buildingSmart IFC].
handicapAccessible (CodeBoolean)	Indication whether this space is designed to be accessible by handicapped people (TRUE) or not (FALSE). This information is often used to declare the need for access for the disabled and for special design requirements of this space[Derived from buildingSmart IFC].
concealedFlooring (CodeBoolean)	Indication whether this space is declared to be a concealed flooring (TRUE) or not (FALSE). A concealed flooring is normally meant to be the space beneath a raised floor[buildingSmart IFC].
concealedCeiling (CodeBoolean)	Indication whether this space is declared to be a concealed ceiling (TRUE) or not (FALSE). A concealed ceiling is normally meant to be the space between a slab and a suspended ceiling[buildingSmart IFC].
description (String255) ^{~1}	Text that provides additional information about the feature.
abcSubCategory (String60)	Sub category for the allocation of overhead costs to this asset for Activity Based Costing purposes[Airport].

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
occupantValidity (String255) ^{~4}	Information conveying the temporal validity of the Occupant[IMDF].
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
occupantFKID (Integer)	Foreign Key to records for this occupant in property / financial systems[Airport]..
anchorId (String40) ^{~4}	.
correlationId (String40) ^{~4}	.

Stair

(Database=Stair)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

Area of a floor where stairs are located

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

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.
NumberOfRiser (Integer)	Total number of the risers included in the stair[buildingSmart IFC]..



NumberOfTreads (Integer)	Total number of treads included in the stair[buildingSmart IFC]..
RiserHeight (Real)	Vertical distance from tread to tread. The riser height is supposed to be equal for all steps of a stair or stair flight[buildingSmart IFC]..
TreadLength (Real)	Horizontal distance from the front of the thread to the front of the next tread. The tread length is supposed to be equal for all steps of the stair or stair flight at the walking line[buildingSmart IFC]..
RequiredHeadroom (Real)	Required headroom clearance for the passageway according to the applicable building code or additional requirements[buildingSmart IFC]..
HandicapAccessible (CodeBoolean)	Indication that this object is designed to be accessible by the handicapped. Set to (TRUE) if this stair is rated as handicap accessible according the local building codes, otherwise (FALSE). Accessibility maybe provided by additional means[buildingSmart IFC]..
IsExternal (CodeBoolean)	Indication whether the element is designed for use in the exterior (TRUE) or not (FALSE). If (TRUE) it is an external element and faces the outside of the building[buildingSmart IFC]..
FireRating (String60)	Fire rating for this object. It is given according to the national fire safety classification[buildingSmart IFC]..
FireExit (CodeBoolean)	Indication whether this object is designed to serve as an exit in the case of fire (TRUE) or not (FALSE). Here it defines an exit stair in accordance to the national building code[buildingSmart IFC]..
HasNonSkidSurface (CodeBoolean)	Indication whether the surface finish is designed to prevent slippery (TRUE) or not (FALSE)[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Wall

(Database=Wall)

Geometry Type: Polygon

Accuracy: +/-0.5

Sensitivity: Restricted

A vertical object that physically separates one functional area from another.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique 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:

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]..

AcousticRating (String60)

Acoustic rating for this object. It is giving according to the national building code. It indicates the sound transmission resistance of this object by an index ration (instead of providing full sound absorption values)[buildingSmart IFC]..

FireRating (String60)

Fire rating given according to the national fire safety classification[buildingSmart IFC]..

Combustible ([CodeBoolean](#))

Indication whether the object is made from combustible material (TRUE) or not (FALSE)[buildingSmart IFC]..

SurfaceSpreadOfFlame (String60)

Indication on how the flames spread around the surface, It is given according to the national building code that governs the fire behavior for materials[buildingSmart IFC]..

ThermalTransmittance (Real)

Thermal transmittance coefficient (U-Value) of a material. Here the total thermal transmittance coefficient through the wall (including all materials)[buildingSmart IFC]..

IsExternal ([CodeBoolean](#))

Indication whether the element is designed for use in the exterior (TRUE) or not (FALSE). If (TRUE) it is an external element and faces the outside of the building[buildingSmart



	IFC]..
ExtendToStructure (CodeBoolean)	Indicates whether the object extend to the structure above (TRUE) or not (FALSE)[buildingSmart IFC]..
LoadBearing (CodeBoolean)	Indicates whether the object is intended to carry loads (TRUE) or not (FALSE)[buildingSmart IFC]..
Compartmentation (CodeBoolean)	Indication whether the object is designed to serve as a fire compartmentation (TRUE) or not (FALSE)[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Window

(Database=Window)

Geometry Type: Line

Accuracy: +/-0.5

Sensitivity: Restricted



Line where window is located on an exterior wall

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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]..
FireRating (String60)	Fire rating for this object. It is given according to the national fire safety classification[buildingSmart IFC]..
AcousticRating (String60)	Acoustic rating for this object. It is giving according to the national building code. It indicates the sound transmission resistance of this object by an index ration (instead of providing full sound absorption values)[buildingSmart IFC]..
SecurityRating (String60)	Index based rating system indicating security level. It is giving according to the national building code[buildingSmart IFC]..
IsExternal (CodeBoolean)	Indication whether the element is designed for use in the exterior (TRUE) or not (FALSE). If (TRUE) it is an external element and faces the outside of the building[buildingSmart IFC]..
Infiltration (Real)	Infiltration flow rate of outside air for the filler object based on the area of the filler object at a pressure level of 50 Pascals. It shall be used, if the length of all joints is unknown[buildingSmart IFC]..
ThermalTransmittance (Real)	Thermal transmittance coefficient (U-Value) of a material. It applies to the total door construction[buildingSmart IFC]..
GlazingAreaFraction (Real)	Fraction of the glazing area relative to the total area of the filling element. It shall be used, if the glazing area is not given separately for all panels within the filling element[buildingSmart IFC]..
SmokeStop (CodeBoolean)	Indication whether the object is designed to provide a smoke stop (TRUE) or not (FALSE)[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Life_Safety

Assembly Area

(Database=AssemblyArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area in which people are to gather in the event of an emergency.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Automated External Defibrillator

(Database=AutomatedExternalDefibrillator)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

Location of Automated External Defibrillators (AEDs).

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
caseId (String35)	A unique alphanumeric identifier assigned to the case that houses the AED.
serialNumber (String14)	The manufacturers serial number assigned to the AED.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.

Attributes:



batteryExpiration (Date)	The date on which the battery is due to expire.
padExpiration (Date)	The date on which the pads are due to expire.
isGlovesAvail (CodeBoolean)	An indicator as to whether protective gloves are available with the AED.
isMaskAvail (CodeBoolean)	An indicator as to whether protective face mask(s) are available with the AED.
batteryInstalled (Date)	The date on which the battery was installed.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Egress Lighting Area

(Database=EgressLightingArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

Interior areas illuminated by emergency lights.

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Egress Route

(Database=EgressRoute)

Geometry Type: Line

Accuracy: +/-1

Sensitivity: Restricted



Routes where passengers, tenants, airport employees and other individuals should use to exit buildings in the event of an emergency.

Names and Identifiers:

id (String40) ^{~2}	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.

Attributes:

type (Integer4)	.
pinchPoint (Integer4)	.
elevation (Real)	Elevation of the point relative to the selected vertical datum.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Emergency Call Box

(Database=EmergencyCallBox)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The location of a telephone or other communications device to be used to report an emergency.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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.
parkingDeck (String10)	The parking lot deck where the call box is located.
parkingSection (String10)	The parking lot section where the call box is located.
parkingLot (String10)	The parking lot where the call box is located.
parkingRow (String5)	The parking lot row where the call box is located.

Attributes:

type (String50)	.
sri (String20)	.
lonStart (Real)	.
latStart (Real)	.
condition (String50)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Emergency Response Sector

(Database=EmergencyResponseSector)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

An area designated for emergency response purposes.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Eye Wash Station

(Database=EyeWashStation)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Confidential

Equipment used to wash eyes when they have been contaminated by a hazardous substance

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
Name (String60)	Common name associated with the feature[Airport].
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

location (String255)	A textual description of the location of this feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
Metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s)[Airport].
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fire Cabinet

(Database=FireCabinet)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

An enclosure used to store fire fighting equipment, devices, or connection points to utility infrastructure associated with fire fighting.

Names and Identifiers:

id (String40) ^{~2}	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.

Attributes:

name (String18)	.
size (Integer4)	.
serial (Integer4)	.
roomNumber (Integer4)	.
roomName (String25)	.
product (String10)	.
partition (String4)	.
number (String6)	.



modelName (String10)	.
model (Integer4)	.
material (String15)	.
manufacturer (Integer4)	.
door (String6)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fire Control Panel

(Database=FireControlPanel)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Secret

A device used to control and monitor fire suppression equipment

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingName (String60)	The name of the building associated with this feature.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

number (String6)	The number assigned to this panel.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Extinguisher

(Database=FireExtinguisher)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Confidential



Devices used to suppress fire which are not connected to the water network (i.e. hydrants, stand pipes, hoses, etc.)

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Navigational_Aids

Navigational Aid Critical Area^{~1}

(Database=NavaidCriticalArea; FAA=NavaidCriticalArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
bufferDistance (Real)	The linear distance of the limit of the buffer for the airfield[SDFSIE Feature Table]..
dimensionX (Integer) ^{~1}	The linear dimension of the critical area in the X axis.
dimensionY (Integer) ^{~1}	The linear dimension of the critical area in the Y axis.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Navigational Aid Equipment^{~1}

(Database=NavaidEquipment; FAA=NavaidEquipment)

Geometry Type: Point

Accuracy: +/-

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
faaFacilityId (String4) ^{~1}	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]..
runwayEndId (String3) ^{~1}	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:

navaidEquipmentType (CodeNavaidEquipmentType) ^{~1}	Specifies the type of NAVAID.
navigationalAidSystemType (CodeNavaidSystemType) ^{~1}	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) ^{~1}	The code that represents the airspace structure in which the aeronautical navigational aid is utilized.
antennaToThresholdDistance (Real) ^{~1}	The distance in feet that the antenna is from the runway threshold. Provide the distance to the nearest tenth of a foot.



centerlineDistance (Real) ^{~1}	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) ^{~1}	Provide the distance the from the antenna along the centerline to the stop end of the runway.
offsetDistance (Real) ^{~1}	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) ^{~1}	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) ^{~1}	The type of Visual navigational aid system (use only when CodeNavaidEquipmentType is set to visual).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
owner (String75) ^{~1}	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
referencePointEllipsoidHeight (Real) ^{~1}	Provide the height above the ellipsoid (HAE) for the referencePoint.
referencePointThreshold (Real) ^{~1}	Distance from the runway reference point to the threshold. Provide this distance to the nearest tenth of a foot[FAA AAS-100]..
thresholdCrossingHeight (Real) ^{~1}	The designated crossing height of the flight path angle above the Landing Threshold Point (or Fictitious Threshold Point).
highAngle (Real) ^{~1}	Maximum approach light vertical angle[FAA AAS-100]..
ellipsoidElevation (Real) ^{~1}	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.
downWindBarElevation (Real)	.
downWindBarThreshold (Real)	.
dateMagneticVariation (Date)	Year when the magnetic variation was measured[AIXM]..
frequency (Real)	The frequency of the non-directional radio beacon emission[AIXM]..
positionILS (String16)	The position of the ILS in relationship to the runway it serves.
lightingSystemType (CodeLightingSystemType) ^{~1}	The configuration type of visual navigational aid systems (use only when NavaidEquipTypeCode_d is set to Visual).
emissionRadio (String16)	Code indicating the type of emission, as defined at the 1979 ITU World Administrative Radio Conference[AIXM]..
magneticVariation (Real)	The measured angle between magnetic north and true north at the NDB and at the time reported in dateMagneticVariation. By convention, the measure is expressed as a positive number if magnetic north is to the east of true north and negative if magnetic nor[AIXM]..



description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Navigational Aid Site^{~1}

(Database=NavaidSite; FAA=NavaidSite)

Geometry Type: Polygon

Accuracy: +/-5

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)^{~2}

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

name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

faaFacilityId (String4)^{~1}

The location identifier assigned to the feature by FAA.



Attributes:

status (CodeStatus)~ ¹	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
facilityType (String16)~ ¹	The type of facility or feature related to airfield operations.
propertyCustodian (String50)~ ¹	The regional property management office responsible for ownership of the site.
description (String255)~ ¹	Text that provides additional information about the feature.

Metadata:

status (CodeStatus)~ ¹	A temporal description of the operational status of the feature.
Alternative (Integer)~ ¹	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20)~ ²	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy)~ ²	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource)~ ^{2~3}	The source of the data in this record.
dataStatus (CodeDataStatus)~ ²	The development stage in which the data is in.
dateDataAcquired (Date)~ ²	The date the data in this record was first captured.
dataStartDate (Date)~ ²	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date)~ ²	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50)~ ²	The name of the individual who last edited this record.
dateLastUpdate (Date)~ ²	The date upon which any data associated with this record was last updated.
userFlag (String254)~ ¹	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40)~ ²	A globally unique identifier applied to each feature in the database for reference.
assetId (String30)~ ²	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Other

Other Line
(Database=OtherLine)

Geometry Type: Line Accuracy: +/-10 Sensitivity: Restricted



Other polygon features not elsewhere classified

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

featureType (String40)	The type of feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Symbology:

lineStyle (String25)	Origin AutoCAD Line Symbol.
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System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
cadLayerName (String40)	The layer on which the feature should be represented in a CADD drawing.

Other Point

(Database=OtherPoint)

Geometry Type: Point

Accuracy: +/-10

Sensitivity: Restricted

Other line features not elsewhere classified

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

featureType (String40)	The type of feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
collectedDate (Date)	The date information about the feature was last collected in the field.
collectorName (String255)	The name of the person who last collected information about this feature in the field.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Symbology:

symbolName (String25)	Origin AutoCAD Point Symbol (from block).
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
cadLayerName (String40)	The layer on which the feature should be represented in a CADD drawing.

Other Polygon

(Database=OtherPolygon)

Geometry Type: Polygon

Accuracy: +/-10

Sensitivity: Restricted

Other point features not elsewhere classified

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

featureType (String40)	The type of feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first



	recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
cadLayerName (String40)	The layer on which the feature should be represented in a CADD drawing.

Data Set: Pavement

Core Sample

(Database=CoreSample)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

The location where a core sample (or cylindrical cut penetrating one or more layers) was taken to inspect pavement, subsurface, and soil layers.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

point (String254)	.
noname (String254)	.
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.
coordZ (Real8)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Distress Area

(Database=DistressArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

The location of each portion of pavement that is unique with respect to construction history and use.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



Attributes:

distressType (String16)	The type of distress observed at this location.
dateObserved (Date)	The date on which the distress was observed.
actionTaken (String16)	The action taken to address the distress.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Distress

(Database=DistressPoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

The location of a specific distress observation.

Names and Identifiers:



id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

distressType (String16) The type of distress observed at this location.

dateObserved (Date) The date on which the distress was observed.

actionTaken (String16) The action taken to address the distress.

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

metadata (Integer) Foreign Key. Used to link the record to the applicable feature level metadata record(s).

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Inspection Area

(Database=InspectionArea)



Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

An area in which pavement inspections have been carried out.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Section

(Database=Section)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted



A section of paved surface used for pavement condition assessment.

Names and Identifiers:

id (String40) ^{~2}	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) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

pavementClassificationNumber (Integer)	A number which expresses the relative load carrying capacity of a pavement in terms of a standard single wheel load[AC 150/5335-5]..
pavementSectionCondSurfChar (Integer)	Pavement Classification Number Code[SDSFIE Feature Table]..
length (Real)	The length of the feature.
magneticTrack (Real)	The initial magnetic track[AIXM]..
reverseTrueTrack (Real)	The reverse of the initial true track[AIXM]..
trueTrack (Real)	The initial true track[AIXM]..
branchId (String10)	Foreign Key used to identify the network branch to which this section belongs.
micropaverId (String20)	Foreign Key used to link data with a MicroPaver database.
networkId (String10)	Foreign Key used to identify the network to which this section belongs.
sectionId (String10)	Foreign Key used to identify the pavement section.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Slab

(Database=Slab)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Restricted

The location of each PCC pavement slab on the airfield. Slabs are the smallest discrete unit of PCC pavement in a PMS.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

layer3Thickness (Integer2)	.
coreBore (String30)	.
east (Real8)	.
entity (String5)	.
fullDepth (String15)	.
hwdPoints (Integer2)	.
hwdSlab (Integer2)	.
jointSeal (String15)	.
lane (String2)	.
layer1Material (String20)	.
layer2Material (String20)	.
contract (String20)	.
layer3Material (String20)	.
north (Real8)	.
perimeter (Real8)	.



sample (String6)	.
sampleId (String25)	.
section (String6)	.
sectionId (String25)	.
slabId (String15)	.
slabId2 (String10)	.
slabNo (String10)	.
thickness (Integer2)	.
yearConstructed (Real8)	.
layer2Thickness (Integer2)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Reference

ReferencePoint^{~4}

(Database=Anchor)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

An Anchor represents the curated Point used as the preferred display location of a specific Address OR non-addressable device, service, equipment or physical environment. In both cases, the record serves as the anchoring point from which another feature [IMDF].

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.



assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Annotation Line

(Database=AnnoLine)

Geometry Type: Line

Accuracy: +/-20

Sensitivity: Unclassified

A line graphic used to convey information to the viewer, which does not represent the location and configuration of a geographic feature

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

associatedFeatureId (String40)

The unique identifier associated with the feature with which this annotation is associated.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique number of the building.

floorLevel ([CodeFloorLevel](#))

The level of a building on which the feature exists.

Attributes:

annoType ([CodeAnnoType](#))

An indicator of the purpose for which the annotation is to be used.

lineColor ([CodeColor](#))

The color of the air marker at the location (if any).

lineThickness (Real)

The thickness of the line.

lineStyle (String20)

The style of the line.

endSymbol1 (String20)

The name of the symbol to be draw at one end of the line.

endSymbol2 (String20)

The name of the symbol to be draw at the opposite one end of the line as End Symbol 1.

endSize1 (Real)

The size of the symbol to be draw at one end of the line.

endSize2 (Real)

The size of the symbol to be draw at the opposite one end of the line as End Size 1.

endSymbol1Color ([CodeColor](#))

The color of the symbol to be draw at one end of the line.

endSymbol2Color ([CodeColor](#))

The color of the symbol to be draw at the opposite one end of the line as End Color 1.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Annotation Point

(Database=AnnoPoint)

Geometry Type: Point

Accuracy: +/-20

Sensitivity: Unclassified

A point graphic used to convey information to the viewer, which does not represent the location of a geographic feature

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
associatedFeatureId (String40)	The unique identifier associated with the feature with which this annotation is associated.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

color (CodeColor)	The color of the point or symbol.
symbolName (String20)	The name of the symbol to be drawn at this location.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Symbology:

symbolRotation (Real)	An angle of deflection from true North used to orient directional symbols used when producing maps.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Annotation Polygon

(Database=AnnoPolygon)

Geometry Type: Polygon

Accuracy: +/-20

Sensitivity: Unclassified

A polygon graphic used to convey information to the viewer, which does not represent the location and configuration of a geographic feature

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
associatedFeatureId (String40)	The unique identifier associated with the feature with which this annotation is



buildingNumber (String16)

associated.

An alphanumeric string of characters that indicate the unique number of the building.

floorLevel ([CodeFloorLevel](#))

The level of a building on which the feature exists.

Attributes:

annoType ([CodeAnnoType](#))

An indicator of the purpose for which the annotation is to be used.

lineColor ([CodeColor](#))

The color of the line that outlines the graphic polygon.

lineThickness (Real)

The thickness of the line that outlines the graphic polygon.

lineStyle (String20)

The style of the line that outlines the graphic polygon.

fillColor ([CodeColor](#))

The color of the fill pattern within the polygon graphic.

fillPattern (String20)

The fill pattern within the polygon graphic.

inclination (Real)

The degrees off the horizon (with 90 pointing straight up vertically at the sky and -90 pointing straight down at the ground aka NADIR) at which the camera was pointed when the image was taken.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.



assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Annotation Text

(Database=AnnoText)

Geometry Type: Point

Accuracy: +/-20

Sensitivity: Unclassified

Text used to convey information to the viewer

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

associatedFeatureId (String40)

The unique identifier associated with the feature with which this annotation is associated.

buildingNumber (String16)

An alphanumeric string of characters that indicate the unique number of the building.

floorLevel ([CodeFloorLevel](#))

The level of a building on which the feature exists.

Attributes:

annoType ([CodeAnnoType](#))

An indicator of the purpose for which the annotation is to be used.

color ([CodeColor](#))

The color of the characters.

message (String254)

The text message to be displayed.

fontName (String20)

The name of the font in which the message will appear.

size (Real)

The size of the characters to be displayed.

rotationAngle (Real)

The number of degrees the message is to be rotated (0 is up).

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Geofence^{~4}

(Database=Geofence)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

A Geofence models the extent of a (geofence)(Glossary.md, geofence). An example of a geofence is the Secure Area within an airport. [IMDF].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
name (String80) ^{~4}	The official name for the Geofence as declared by the Venue Organization.[IMDF]..

Attributes:

displayPoint (String255) ^{~4}	.
levelIds (CodeFloorLevel) ^{~4}	.
restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire Geofence.[IMDF]..
category (Enumeration17) ^{~4}	The category that best describes the function of the Geofence.[IMDF]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
buildingIds (String40) ^{~4}	One or more unique identifiers assigned to buildings as a means of linking them to associated records in other tables or systems.
correlationId (String40) ^{~4}	.
parent (String36) ^{~4}	Unique identifier(s) of the Geofence(s) that this Geofence possesses an explicitly defined childparent relationship(s) with.[IMDF]..

Point of Interest^{~3}

(Database=PointOfInterest)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified

Something that enhances the experience of a human

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel) ^{~3}	The level of a building on which the feature exists.

Attributes:

assetNumber (Integer4) ^{~3}	.
--------------------------------------	---



categorySubtype (String100) ^{~3}	.
categoryType (String100) ^{~3}	.
description (String255) ^{~3}	Text that provides additional information about the feature.
displayScaleId (String255) ^{~3}	.
elevationAbsolute (Real) ^{~3}	.
elevationRelative (Real) ^{~3}	.
facilityId (String255) ^{~3}	.
facilityName (String100) ^{~3}	.
heightAbsolute (Real) ^{~3}	.
heightRelative (Real) ^{~3}	.
imageUrl (String255) ^{~3}	.
levelName (String100) ^{~3}	.
locationType (Enumeration26) ^{~3}	.
name (String100) ^{~3}	.
nameLong (String255) ^{~3}	.
nameSubtitle (String100) ^{~3}	.
pointOfInterest (String255) ^{~3}	.
sectionId (String255) ^{~3}	.
sectionName (String100) ^{~3}	.
siteId (String255) ^{~3}	.
siteName (String100) ^{~3}	.
unitId (String255) ^{~3}	.
unitName (String100) ^{~3}	.
useType (String50) ^{~3}	.
verticalOrder (Integer4) ^{~3}	.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Project Area

(Database=ProjectArea)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

An area in work under a specific project, task, or work breakdown structure ID has, is or will be carried out. [FAA].

Names and Identifiers:

name (String50) ^{~1}	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
projectName (String60) ^{~1}	The name of the construction project.
projectNo (String20)	A unique number assigned to the project by the organization in control of the project.
id (String40)	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.



projectStatus (CodeProjectStatus) ^{~1}	The status of the construction project.
coordinationContact (String75) ^{~1}	Airport, emergency, airline, tenant, and contractor personnel who are responsible for coordinating on-airport construction work.
plannedOperationDate (Date)	Date the construction project is planned to go into operation[FGDC].
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data.
alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
System Keys:	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Security

Access Control Device

(Database=AccessControlDevice)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The location of door or gate locking devices.

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
lockId (String40)	A unique identifier assigned to the Lock.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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.
doorId (String20)	Alphanumeric text indicating the designator of the door[SDSFIE Attribute Table]..
gateId (String40)	Name, code or identifier used to identify the gate.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
responder (String60)	The name of the individual or department who is to respond to a breach in this device[Airport]..

Attributes:

type (CodeRestrictionType)	The type of restricted access device used[AC 150/5300-18b]..
modelName (String20)	The model number assigned by the manufacturer.
manufacturerName (String60)	The common name used to refer to the manufacturer.
doorType (CodeDoorType)	.
accessTo (String30)	The type of area to which this device provides access.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Alarm

(Database=AlarmDevice)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Top Secret

A device that sounds an audible noise if unauthorized intrusion occurs.

Names and Identifiers:

id (String40) ^{~2}	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) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

type (CodeAlarmDeviceType)	Type of feature[AC 150/5300-18b]..
sri (String20)	.
lonStart (Real)	.
latStart (Real)	.
condition (String50)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Credential Verification Device

(Database=CredentialVerificationDevice)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Top Secret

A device used to check the credentials of someone attempting to gain access.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.
levelIdentifier (Integer)	A numeric identifier assigned to the building level.
doorNumber (String20)	Alphanumeric text indicating the designator of the door[SDSFIE Attribute Table]..
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.

Attributes:

type (CodeRestrictionType)	The type of restricted access device used[AC 150/5300-18b]..
description (String255) ^{~1}	Text that provides additional information about the feature.



Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Security Area^{~1}

(Database=SecurityArea; FAA=SecurityArea)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Security Check Point

(Database=SecurityCheckPoint)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Top Secret

Location where security screening procedures are in effect.

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

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



alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Security Access Control System Door

(Database=SecurityDoorLocation)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Secret

A secured point of entry or exit

Names and Identifiers:

id (String40)^{~2}

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

doorId (String20)

Alphanumeric text indicating the designator of the door[SDSFIE Attribute Table].



alias (String60)	An alternative or former name by which the feature is referred.
spaceId (String50)	Name of the building space[SDSFIE Feature Table]..
lockId (String10)	A unique identifier assigned to the Lock.
tenantName (String75) ^{~1}	The current name of the tenant occupying the leased parcel.
responder (String60)	The name of the individual or department who is to respond to a breach in this device[Airport]..
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

doorType (CodeDoorType)	.
lockType (CodeRestrictionType)	The type of restricted access device used[AC 150/5300-18b]..
accessTo (String30)	The type of area to which this device provides access.
messageA (String255)	The primary text message which appears on the sign.
messageB (String255)	A secondary text message which appears on the sign.
messageACorrected (String255)	A secondary text message which appears on the sign.
tenantId (Integer)	A unique numeric ID assigned to the tenant occupying this space.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Security Identification Display Area^{~1}

(Database=SecurityIdDisplayArea; FAA=SecurityIdDisplayArea)

Geometry Type: Polygon

Accuracy: +/-5

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)^{~2}

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

name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Security Perimeter Line^{~1}

(Database=SecurityPerimeterLine; FAA=SecurityPerimeterLine)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Sterile Area^{~1}

(Database=SterileArea; FAA=SterileArea)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Surveillance Camera

(Database=SurveillanceCamera)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Top Secret

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
cameraNumber (String50)	The camera name[Tinker Air Force Base]..
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..
serialNumber (String16)	The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base]..
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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.
cameraName (String50)	.



Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
cameraType (CodeCameraType)	Discriminator - The type of surveillance camera[Tinker Air Force Base]..
ptzType (CodeCameraPtzType)	Point, tilt, and zoom type[AIR FORCE]..
isColor (CodeBoolean)	An indicator as to whether the camera is a color camera or not.
location (String255)	A textual description of the location of this feature[Tinker Air Force Base]..
ccdVres (Integer)	Resolution of the CCD in vertical pixels[AIR FORCE]..
ccdHres (Integer)	Resolution of the CCD in horizontal pixels[AIR FORCE]..
mountType (CodeMountType)	Type of mounting for the surveillance camera.
enclosureType (CodeElectricMotorEnclType)	The type of enclosure used to protect the camera[Tinker Air Force Base]..
dateInstalled (Date)	The date on which the feature was originally installed.
cableSwitchNumber (String50)	The switch in which the camera is connected[Tinker Air Force Base]..
imageFormat (String50)	The size of CCD Imager[Tinker Air Force Base]..
lensSize (Real)	The size of the camera lens[Tinker Air Force Base]..
cameraFilter (CodeCameraFilterType)	Lens Filter Type[AIR FORCE]..
remarks (String255)	Any narrative remarks concerning the camera[Tinker Air Force Base]..
color (CodeBoolean)	.
cswitchNo (String50)	.
enclType (CodeElectricMotorEnclType)	.
mount (CodeElectricTranbnk)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType ([CodeJunctionType](#)) .

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
pKCameraID (Number*)	Primary Key. A locally assigned identifier for the record.

Surveillance Camera Aiming Point

(Database=SurveillanceCameraAimingPoint)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Top Secret

The point at which a security camera is aimed (when in its default position if it is a point-tilt-zoom type of camera).

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
cameraId (String40)	An identifier that is uniquely assigned to this feature for identification purposes.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

metadata (Integer) Foreign Key. Used to link the record to the applicable feature level metadata record(s).



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Camera Coverage Area

(Database=SurveillanceCameraCoverage)

Geometry Type: Polygon

Accuracy: +/-10

Sensitivity: Restricted

The area which can be viewed by a security surveillance camera.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
cameraId (String14)	An identifier that is uniquely assigned to this feature for identification purposes.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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)^{~1} Text that provides additional information about the feature.

Metadata:

metadata (Integer) Foreign Key. Used to link the record to the applicable feature level metadata record(s).

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Structures

Art Work

(Database=ArtWork)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The location of a piece of art.

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).



alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

url1 (String50) .

exhibitNam (String50) .

exhibit (String75) .

artist (String50) .

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Building^{~1~4}

(Database=Building; FAA=Building)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

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



Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String255) ^{~1~4}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16) ^{~1}	An alphanumeric string of characters that indicate the unique number of the building.

Attributes:

structureType (CodeStructureType) ^{~1}	The type of structure.
status (CodeStatus) ^{~1}	This value differentiates structure entities by operational status.
completeAddressNumber (String10)	The numeric identifier for a land parcel, house, building or other feature, including an optional prefix and suffix[FGDC Street Address Data Standard]..
completeStreetName (String60)	Official name of a street as assigned by a local governing authority, or an alternate (alias) name that is used and recognized[FGDC Street Address Data Standard]..
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)	The fifty states, District of Columbia, and U.S. territories and outlying possessions, represented by their two-letter FIPS abbreviation[FGDC Street Address Data Standard]..
address (String255) ^{~4}	.
country (String255) ^{~4}	.
numberOfCurrentOccupants (Integer) ^{~1}	Number of persons currently occupying the structure.
areaInside (Real) ^{~1}	Total inside area of structure.
structureHeight (Real) ^{~1}	Maximum height of structure; i.e. AGL height.
areaFloor (Real) ^{~1}	Total inside floor area.
areaTotal (Real)	Total inside square footage[Airport]..
lightingType (CodeLightingConfigurationType) ^{~1}	A description of the lighting system.
markingFeatureType (CodeMarkingFeatureType) ^{~1}	The color of the marking(s).
color (CodeColor) ^{~1}	The type of the marking(s).
streetAddress (Real)	.
occupantId (Integer)	A unique identifier (foreign key) assigned to the occupant of this building.
elevation (Real)	The representative base elevation of the building.
buildDate (Date)	The date when the building was built.
use (String30)	The primary use of the building.



unit (String255) ^{~4}	Qualifying official or proprietary unit suite designation, i.e. 2A[IMDF]..
locality (String255) ^{~4}	Official locality (e.g. city, town) component of the postal address.[IMDF]..
province (String2) ^{~4}	Province (e.g. state, territory) component of the postal address.[IMDF]..
postalCode (String8) ^{~4}	A five-digit code that identifies a specific geographic delivery area[IMDF]..
postalCodeExt (String4) ^{~4}	Mail sorting code extension associated with the postal code.[IMDF]..
postalCodeVanity (String255) ^{~4}	Mail sorting vanity code that is recognized by the postal delivery service.[IMDF]..
buildingCategory (Enumeration11) ^{~4}	The category that best describes the function of the physical Building.[IMDF]..
restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire physical Building.[IMDF]..
displayPoint (Enumeration255) ^{~4}	The curated location to use as the point-based representation of the Building.[IMDF]..
footprintCategory (String12) ^{~4}	The category that best describes the nature of the Footprint.[IMDF]..
IsPermanentID (CodeBoolean)	Indicates whether the identifier assigned to a building is permanent (= TRUE) or temporary (=FALSE)[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
addressId (String40) ^{~4}	.
buildingIds (String40) ^{~4}	One or more unique identifiers assigned to buildings as a means of linking them to associated records in other tables or systems.

Building^{~4}

(Database=Building; FAA=Building)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String255) ^{~1~4}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16) ^{~1}	An alphanumeric string of characters that indicate the unique number of the building.

Attributes:

structureType (CodeStructureType) ^{~1}	The type of structure.
status (CodeStatus) ^{~1}	This value differentiates structure entities by operational status.
completeAddressNumber (String10)	The numeric identifier for a land parcel, house, building or other feature, including an optional prefix and suffix[FGDC Street Address Data Standard]..
completeStreetName (String60)	Official name of a street as assigned by a local governing authority, or an alternate (alias) name that is used and recognized[FGDC Street Address Data Standard]..
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)	The fifty states, District of Columbia, and U.S. territories and outlying possessions, represented by their two-letter FIPS abbreviation[FGDC Street Address Data Standard]..
address (String255) ^{~4}	.
country (String255) ^{~4}	.
numberOfCurrentOccupants (Integer) ^{~1}	Number of persons currently occupying the structure.
areaInside (Real) ^{~1}	Total inside area of structure.
structureHeight (Real) ^{~1}	Maximum height of structure; i.e. AGL height.



areaFloor (Real) ^{~1}	Total inside floor area.
areaTotal (Real)	Total inside square footage[Airport]..
lightingType (CodeLightingConfigurationType) ^{~1}	A description of the lighting system.
markingFeatureType (CodeMarkingFeatureType) ^{~1}	The color of the marking(s).
color (CodeColor) ^{~1}	The type of the marking(s).
streetAddress (Real)	.
occupantId (Integer)	A unique identifier (foreign key) assigned to the occupant of this building.
elevation (Real)	The representative base elevation of the building.
buildDate (Date)	The date when the building was built.
use (String30)	The primary use of the building.
unit (String255) ^{~4}	Qualifying official or proprietary unit suite designation, i.e. 2A[IMDF]..
locality (String255) ^{~4}	Official locality (e.g. city, town) component of the postal address.[IMDF]..
province (String2) ^{~4}	Province (e.g. state, territory) component of the postal address.[IMDF]..
postalCode (String8) ^{~4}	A five-digit code that identifies a specific geographic delivery area[IMDF]..
postalCodeExt (String4) ^{~4}	Mail sorting code extension associated with the postal code.[IMDF]..
postalCodeVanity (String255) ^{~4}	Mail sorting vanity code that is recognized by the postal delivery service.[IMDF]..
buildingCategory (Enumeration11) ^{~4}	The category that best describes the function of the physical Building.[IMDF]..
restriction (Enumeration13) ^{~4}	The category that best describes a restriction that applies to the entire physical Building.[IMDF]..
displayPoint (Enumeration255) ^{~4}	The curated location to use as the point-based representation of the Building.[IMDF]..
footprintCategory (String12) ^{~4}	The category that best describes the nature of the Footprint.[IMDF]..
IsPermanentID (CodeBoolean)	Indicates whether the identifier assigned to a building is permanent (= TRUE) or temporary (=FALSE)[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
addressId (String40) ^{~4}	.
buildingIds (String40) ^{~4}	One or more unique identifiers assigned to buildings as a means of linking them to associated records in other tables or systems.

Construction Area^{~1}

(Database=ConstructionArea; FAA=ConstructionArea)

Geometry Type: Polygon

Accuracy: +/-3

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
projectName (String60) ^{~1}	The name of the construction project.
projectNo (String20)	A unique number assigned to the project by the organization in control of the project.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
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projectStatus (CodeProjectStatus) ^{~1}	The status of the construction project.
coordinationContact (String75) ^{~1}	Airport, emergency, airline, tenant, and contractor personnel who are responsible for coordinating on-airport construction work.
plannedOperationDate (Date)	Date the construction project is planned to go into operation[FGDC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fence^{~1}

(Database=Fence; FAA=Fence)

Geometry Type: Line

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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	primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
type (String16) ^{~1}	Indicate the fencing material used.
height (Real) ^{~1}	The overall distance from the surface of the ground to the top of the fence.
sri (String20)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Gate^{~1}

(Database=Gate; FAA=Gate)

Geometry Type: Line

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

Name, code or identifier used to identify the gate.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

type (String50)^{~1}

The gate material and method of construction.

length (Real)^{~1}

The overall distance from one end of the gate to the other.

height (Real)^{~1}

The overall distance from the surface of the top of the gate.

attended ([CodeBoolean](#))^{~1}

A Boolean indicating whether the gate is tended by a guard or other individual.

isAlarmed ([CodeBoolean](#))

Boolean for whether gate is connected to an alarm that will sound if it is opened without authorization.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Gate Location

(Database=GateLocation)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Restricted

[SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

gateStructureType (CodeGateType)	The type of gate.
streetAddress (String255)	The street address of the gate or the building associated with the gate.
user (String50)	The name of the organization that predominantly uses the gate (if applicable).
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
lockId (String40)	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
cameraId (String40)	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alarmId (String40)	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

Retaining Wall

(Database=RetainingWall)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Confidential

An exterior wall used to prevent erosion of an embankment of earth.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
accountId (String13)	The account ID for the retaining wall.

Attributes:

wallType (CodeWallType)	The type of retaining wall.
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material (CodeMaterialType)	The material used to construct the retaining wall.
height (Real)	The overall height of the retaining wall.
length (Real)	The overall length of the retaining wall.
yearErected (Date)	The year in which the retaining wall was erected.
imageName (String20)	The name of the image file.
sri (String20)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Roof^{~1}

(Database=Roof; FAA=Roof)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60)	An alternative or former name by which the feature is referred.
buildingNumber (String16) ^{~1}	An alphanumeric string of characters that indicate the unique number of the building.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
FireRating (String60)	Fire rating for this object. It is given according to the national fire safety classification[buildingSmart IFC]..
IsExternal (CodeBoolean)	Indication whether the element is designed for use in the exterior (TRUE) or not (FALSE). If (TRUE) it is an external element and faces the outside of the building[buildingSmart IFC]..
ProjectedArea (Real)	Area of the roof projected onto a 2D horizontal plane[buildingSmart IFC]..
TotalArea (Real)	Total exposed area of the roof[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



<code>dataStartDate (Date)</code> ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
<code>dataEndDate (Date)</code> ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
<code>editorName (String50)</code> ^{~2}	The name of the individual who last edited this record.
<code>dateLastUpdate (Date)</code> ^{~2}	The date upon which any data associated with this record was last updated.
<code>userFlag (String254)</code> ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

<code>guid (String40)</code> ^{~2}	A globally unique identifier applied to each feature in the database for reference.
<code>assetId (String30)</code> ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Sign Pole

(Database=SignPole)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

The location of a vertical structure used to elevate a sign.

Names and Identifiers:

<code>id (String40)</code> ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
<code>alias (String60)</code> ^{~2}	An alternative or former name by which the feature is referred.
<code>accountId (String13)</code>	The account ID for the pole.

Attributes:

<code>signId (String10)</code>	The unique identifier assigned to the pole to which this sign is affixed.
<code>poleType (CodePoleType)</code>	The type of pole.
<code>height (Real)</code>	The overall height of the pole.
<code>yearErected (Date)</code>	The year in which the pole was erected.
<code>description (String255)</code> ^{~1}	Text that provides additional information about the feature.

Metadata:

<code>status (CodeStatus)</code> ^{~1}	A temporal description of the operational status of the feature.
<code>Alternative (Integer)</code> ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
<code>projectNumber (String20)</code> ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Staging Area

(Database=StagingArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area where construction materials are temporarily stored or assembled.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tower^{~1}

(Database=Tower; FAA=Tower)

Geometry Type: Point

Accuracy: +/-3

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
verticalStructureMaterial (CodeVerticalStructureMaterial) ^{~1}	Classifies the predominant material of the vertical object.
lightCode (CodeBoolean) ^{~1}	A code indicating that the tower is lighted[AIXM]..
lightingType (CodeLightingConfigurationType) ^{~1}	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction.



markingFeatureType ([CodeMarkingFeatureType](#))^{~1} The type of the marking(s).

color ([CodeColor](#))^{~1} The color of the marking(s).

description (String255)^{~1} Text that provides additional information about the feature.

structureHeight (Real)^{~1} Maximum height of structure; i.e. AGL height.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Surface_Transportation

APM Maintenance Area

(Database=ApmMaintenanceArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area where automated people mover equipment is maintained.

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Apm Station

(Database=ApmStation)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Ares where automated people movers stop for the purpose of embarking or disembarking passengers.

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Apm TrackCenterline

(Database=ApmTrackCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Restricted

Track for an automated people mover system.

Names and Identifiers:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality)	An indicator as to whether operations can be conducted in one or two directions.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Bollard

(Database=Bollard)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

A barrier to prevent unauthorized access by vehicles.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature.
alias (String60)	An alternative or former name by which the feature is referred.

Attributes:

material (CodeMaterialType)	The material composition of the subject item, such as concrete or corrugated metal, etc[Derived from USACE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Bridge^{~1}

(Database=Bridge; FAA=Bridge)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
roadName1 (String50)	Name of road bridge connects[Airport]..
roadName2 (String50)	Name of cross road under bridge, if any[Airport]..

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	The material used as a surface for the bridge.
bridgeType (CodeBridgeType) ^{~1}	The type of bridge.
verticalStructureMaterial (CodeVerticalStructureMaterial) ^{~1}	Classifies the predominant material of the vertical object.
directionality (CodeDirectionality) ^{~1}	Code indicating the traffic flow of the bridge being classified.
elevation (Real)	Finished elevation of highest point of bridge[Airport]..
class (String50)	Classification of bridge[Airport]..
verticalClearance (Real)	The clearance in feet between the lowest point under the bridge opening and the waters surface at Mean High Water (MHW)[SDSFIE Feature Table]..
height (Real)	The clearance of the bridge structure; i.e. the height beneath the structure of the bridge[SDSFIE Feature Table]..
length (Real)	The total length of the span of the bridge[SDSFIE Feature Table]..
lightingType (CodeLightingConfigurationType)	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction.
markingFeatureType (CodeMarkingFeatureType)	The type of markings applied to the feature.
color (CodeColor)	The color of the feature.
milepostStart (Integer)	.



condition (String50)	.
sri (String20)	.
latStart (Real)	.
lonStart (Real)	.
nbiNumber (String12)	National Bridge Inventory number[ESRI]..
nbiRating (Integer)	National Bridge Inventory rating[ESRI]..
acrossFacilityType (String25)	.
acrossMaxClearance (Real)	.
underFacilityType (String25)	.
underMaxClearance (Real)	.
underMaxWidth (Real)	.
underMaxWeight (Real)	.
lastInspectedDate (Date)	Date the bridge was last officially inspected[ESRI]..
owner (String32)	Owner of record for the Bridge[ESRI]..
maintAuthority (String20)	Agency responsible for the maintenance of the Bridge[ESRI]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should



not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
acrossFacilityID (String18)	.
underFacilityID (String18)	Is UnderRouteID in Road and Highways data model[ESRI]..
roadCenterlineID (String18)	ID of the RoadCenterline feature with which this feature is associated[ESRI]..
roadPointID (String18)	Typically associated with a Type 11 (BridgeCenterPoint) roadPoint feature[ESRI]..

Curb

(Database=CurbEdge)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Restricted

The edge of a roadway curb

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String50)	.
sri (String20)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Curb Management Zone

(Database=CurbManagementZone)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

An area of curb along an access roadway used for a specific purpose such as taxis, hotel shuttle buses and private vehicle drop off and pick-up.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String30)	The name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

curbPurpose (String40)	The purpose for which the curb zone is designated.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Driveway^{~1}

(Database=DrivewayArea; FAA=DrivewayArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	The material used as a surface for the driveway.
description (String255) ^{~1}	Text that provides additional information about the feature.



Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
drivewayCenterlineID (String18)	ID of the RoadCenterline feature with which this feature is associated[ESRI].
roadCenterlineID (String18)	ID of roadway to which the driveway connects[ESRI].

Driveway Centerline^{~1}

(Database=DrivewayCenterline; FAA=DrivewayCenterline)

Geometry Type: Line

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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name (String50)^{~1}

Name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

evacuationRoute ([CodeBoolean](#))

Whether this route should be used during an emergency or not.

directionality ([CodeDirectionality](#))

An indicator as to whether operations can be conducted in one or two directions.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

Networking:

impedance (Real)

The number representing the total opposition to flow.

impedanceEmergency (Real)

The number representing the total opposition to flow.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.



roadCenterlineID (String18)

ID of roadway to which the driveway connects[ESRI]..

Guard Rails

(Database=GuardRail)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Restricted

Location of a road guard rail.

Names and Identifiers:

id (String40)^{~2}

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

name (String60)

Common name associated with the feature[Airport]..

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

material ([CodeMaterialType](#))

The material composition of the subject item, such as concrete or corrugated metal, etc[Derived from USACE]..

type (String15)

.

sri (String20)

.

rub (String50)

.

milepostStart (Integer)

.

lonStart (Real)

.

lonEnd (Real)

.

latStart (Real)

.

latEnd (Real)

.

groundTreatment (String50)

.

endTreatment (String50)

.

delineatorsPresent ([CodeBoolean](#))

.

condition (String50)

.

milepostEnd (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

metadata (Integer)

Foreign Key. Used to link the record to the applicable feature level metadata record(s).



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Guard Rail End

(Database=GuardRailEnd)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

The end treatment of a guard rail.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

sri (String20)	.
rub (String50)	.
milepost (Integer)	.
longitude (Real)	.
linearType (String50)	.
linearId (Integer4)	.
latitude (Real)	.



groundTreatment (String50)	.
endTreatment (String50)	.
delineatorsPresent (CodeBoolean)	.
condition (String50)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Haul Route Centerline

(Database=HaulRouteCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Restricted

Centerline of route designated for transportation of construction materials.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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	primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
<u>Attributes:</u>	
evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality)	An indicator as to whether operations can be conducted in one or two directions.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
<u>Networking:</u>	
impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Impact Attenuator

(Database=ImpactAttenuator)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

Device or material used to absorb the impact of a collision.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String50)	.
sri (String20)	.
noBarrels (String5)	.
lonStart (Real)	.
latStart (Real)	.
condition (String50)	.
collisionDamage (String50)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Island

(Database=Island)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area of road or road right of way where vehicles are not allowed

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String50)	.
sri (String20)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Jersey Barriers

(Database=JerseyBarriers)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Location of jersey barriers along a road.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String60)	Common name associated with the feature[Airport]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Landside Sign

(Database=LandsideSign)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

Signs outside of a building and not on the airfield.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
landsideSignId (String10)	A unique identifier assigned to the LandsideSign.

Attributes:

messageA (String255)	The primary text message which appears on the sign.
messageB (String255)	A secondary text message which appears on the sign.
messageC (String255)	A tertiary text message which appears on the sign.
faceWidth (Real)	Width of sign face in feet[ESRI].
faceHeight (Real)	Height of sign face in feet[ESRI].
faceColor (CodeColor)	.



mountingType (CodeMountingType)	Enumeration Domain (dMountingType) -- taken from Sign table and dPostMounting domain in Roads and Highways data model[ESRI]..
mountingHeight (Real)	Height of center of sign as mounted[ESRI]..
dateInstalled (Date)	Installation date for currently mounted sign[ESRI]..
dateLastChecked (Date)	Last date the status and condition of the sign was checked[ESRI]..
signCondition (CodeSignRating)	Coded Value Domain (dRating) -- taken from Sign table and dRating domain in Roads and Highways data model[ESRI]..
travelDirection (CodeOffsetDirection)	Coded Value Domain (dOffsetDir) -- taken from Sign table and dOffsetDir domain in Roads and Highways data model[ESRI]..
type (String50)	.
condition (String20)	.
grouping (String20)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Parking Equipment

(Database=ParkingEquipment)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

Equipment used within a parking lot or structure to restrict entry, collect fees, tack open spaces, etc.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
equipmentID (String10)	A unique identifier assigned to each piece of parking equipment.

Attributes:

parkingEquipmentType (String20)	A code indicating the type of parking equipment located at this location.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Parking Lot^{~1}

(Database=ParkingLot; FAA=ParkingLot)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

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

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Any commonly used name for the parking area.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
parkingLotUse (String16) ^{~1}	The primary use of the parking area.
totalNumberSpaces (Integer) ^{~1}	The total parking spaces available in the area including handicapped or reserved spaces.
numberHandicapSpaces (Integer) ^{~1}	The total number of spaces marked as being handicapped parking.
owner (CodeOwner) ^{~1}	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
surfaceType (CodeSurfaceType) ^{~1}	Type of different materials used to construct the surface.
hasMultipleRoadAccessPoints (CodeBoolean)	Indicator of whether or not the ParkingLot feature has more than one access drive onto a road[ESRI]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
roadCenterlineID1 (String18)	Use for single road access point or for one of multiple road access points[ESRI]..
drivewayCenterlineID1 (String18)	Use for single road access point or for one of multiple road access points[ESRI]..
roadCenterlineID2 (String18)	Use for multiple road access points[ESRI]..
drivewayCenterlineID2 (String18)	Use for multiple road access points[ESRI]..
roadCenterlineID3 (String18)	Use for multiple road access points[ESRI]..
drivewayCenterlineID3 (String18)	Use for multiple road access points[ESRI]..

Parking Space

(Database=ParkingSpace)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

A area designated for parking a vehicle.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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:



parkingSpaceUse (String16)	The primary use of the parking space[SDSFIE Feature Table].
isHandicapped (CodeBoolean)	An indicator as to whether or not the space is designated as handicapped accessible.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pedestrian Centerline

(Database=PedestrianCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Unclassified

The centerline of a walking route along which pedestrian traffic flows.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



Attributes:

evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality)	An indicator as to whether operations can be conducted in one or two directions.
fromLevel (CodeFloorLevel)	The level of a building on which the feature starts.
toLevel (CodeFloorLevel)	The level of a building on which the feature ends.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Railroad Stop

(Database=RailroadStop)



Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Ares where automated people movers stop for the purpose of embarking or disembarking passengers.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Railroad Centerline^{~1}

(Database=RailroadCenterline; FAA=RailroadCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Confidential



Represents the centerline of each pair of rails. [ANSI: Data Content Standards For Transportation Networks: Roads].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Any commonly used name for the railroad.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	The current status as to whether the railroad segment is being used.
type (String50)	Type of rail (heavy, light, commuter, etc)[Airport]..
featureUse (CodeUseType)	The current status as to whether the railroad segment is being used[SDSFIE Feature Table]..
numberOfTracks (Integer) ^{~1}	The number of tracks present.
owner (CodeOwner) ^{~1}	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
isBridge (CodeBoolean) ^{~1}	Indicates given railroad segment is bridge (Y- a is bridge, N- is not a bridge).
isTunnel (CodeBoolean) ^{~1}	Indicates given railroad segment is tunnel (Y- is a tunnel, N- is not a tunnel).
remarks (String255)	Any narrative remarks concerning the railroad[SDSFIE]..
evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality) ^{~1}	Code indicating the traffic flow of the railroad segment being classified.
segmentType (CodeSegmentType) ^{~1}	Code indication the sequence or position of the segment being classified by the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Railroad Maintenance Area

(Database=RailroadMaintenanceArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Area where automated people mover equipment is maintained.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Railroad Yard^{~1}

(Database=RailroadYard; FAA=RailroadYard)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Restricted

Represents a railroad yard. [ANSI: Data Content Standards For Transportation Networks: Roads].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	A name that represent the railroad yard.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
owner (CodeOwner) ^{~1}	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Road Centerline^{~1}

(Database=RoadCenterline; FAA=RoadCenterline)

Geometry Type: Line Accuracy: +/-5 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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Any commonly used name for the road centerline.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
alternateName (String35)	The alternate name or second name for the road[SDSFIE Feature Table]..
route1Name (String30)	The route number or other identifier that is affiliated with the first route type[SDSFIE Feature Table]..
route2Name (String30)	The route number or other identifier that is affiliated with the second route type[SDSFIE Feature Table]..
route3Name (String30)	The number or other identifier that is affiliated with the third route type[SDSFIE Feature Table]..



Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
route1Type (CodeRouteType)	The first route type for the road (Interstate, US, State, etc.)[SDSFIE Feature Table]..
route2Type (CodeRouteType)	The second route type for the road (Interstate, US, State, etc.)[SDSFIE Feature Table]..
route3Type (CodeRouteType)	The third route type for the road (Interstate, US, State, etc.)[SDSFIE Feature Table]..
featureUse (CodeRoadUse)	The current usage status of the road[SDSFIE Feature Table]..
color (CodeColor) ^{~1}	The color of the centerline marking.
length (Real)	The overall length of the road centerline[SDSFIE Feature Table]..
numberOfLanes (Integer)	The number of normal traffic lanes throughout the length of the centerline[SDSFIE Feature Table]..
bridge (CodeBoolean)	Indicates given road segment is bridge (Y- a is bridge, N-is not a bridge)[SDSFIE Feature Table]..
tunnel (CodeBoolean)	Indicates given road segment is tunnel (Y- is a tunnel, N-is not a tunnel)[SDSFIE Feature Table]..
use (String40)	The primary manner in which the road is used.
milepostEnd (Integer)	.
condition (String50)	.
elevationStart (Real)	.
latEnd (Real)	.
haulRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
latStart (Real)	.
lonEnd (Real)	.
lonStart (Real)	.
milepostStart (Integer)	.
offset (String20)	.
sri (String20)	.
type (String50)	.
evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality)	An indicator as to whether operations can be conducted in one or two directions.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Road Point^{~1}

(Database=RoadPoint; FAA=RoadPoint)

Geometry Type: Point

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
roadPointType (CodeRoadPointType)	Coded Value Domain (dRoadPointType) -- built on combination of IntersectionPoint subtypes and point feature class types in Roads and Highways data model[ESRI].
sri (String20)	.
noSignalPoles (String50)	.
noSignalHeads (String50)	.
loops (String50)	.
lonStart (Real)	.
latStart (Real)	.
controllerType (String50)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Road Segment^{~1}

(Database=RoadSegment; FAA=RoadSegment)

Geometry Type: Polygon

Accuracy: +/-5

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 adopt [ANSI: Data Content Standards For Transportation Networks: Roads*].

Names and Identifiers:

id (String40)^{~2}

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

segmentID (String10)

A unique identifier assigned to each roadway segment.

name (String50)^{~1}

A common name or street name used to refer to the stretch of road.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

alternateName (String30)^{~1}

The alternate name or second name for the road.

route1Name (String30)^{~1}

The route number or other identifier that is affiliated with the first route type.

route2Name (String30)^{~1}

The route number or other identifier that is affiliated with the second route type.

route3Name ([CodeRouteType](#))^{~1}

The number or other identifier that is affiliated with the third route type.

Attributes:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

route1Type ([CodeRouteType](#))^{~1}

The first route type for the road (Interstate, US, State, etc.).

route2Type ([CodeRouteType](#))^{~1}

The second route type for the road (Interstate, US, State, etc.).

route3Type ([CodeRouteType](#))^{~1}

The third route type for the road (Interstate, US, State, etc.).

numberOfLanes (Integer)^{~1}

The total number of lanes of traffic, counting both directions, not including turning lanes[SDSFIE Feature Table].

length (Real)^{~1}

The length of the road segment measured at the centerline[SDSFIE Feature Table].

width (Real)^{~1}

The average width of the road segment[SDSFIE Feature Table].

isBridge ([CodeBoolean](#))^{~1}

Indicates given road segment is bridge (Y- a is bridge, N- is not a bridge)[SDSFIE Feature Table].

isTunnel ([CodeBoolean](#))^{~1}

Indicates given road segment is tunnel (Y- is a tunnel, N is not a tunnel)[SDSFIE Feature Table].



directionality (CodeDirectionality) ^{~1}	Code indicating the traffic flow on the road segment.
segmentType (CodeSegmentType) ^{~1}	Code indicating the type of segment being classified.
isRailroadCrossing (CodeBoolean)	Would typically be associated with a Type 4 (RRGradCrossing) RoadPoint[ESRI].
isTollRoad (CodeBoolean)	Indicates whether or not the RoadSegment feature is a toll road[ESRI].
surfaceType (CodeSurfaceType) ^{~1}	Type of material used to construct the surface.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	Material used to construct the surface of the road.
use (String40)	The primary manner in which the road is used.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
centerlineID (String18)	ID of centerline with which it is coincident[ESRI].
streetNameID (String18)	ID of street name for this segment of roadway (use for linking to a table with address information for geocoding)[ESRI].



Road Shoulder

(Database=RoadShoulder)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Unclassified

Narrow, paved or unpaved area along edge of traveling surface of roadway, used for emergency stopping, parking, obstacle avoidance, and other uses. [ESRI].

Names and Identifiers:

id (String18)	Unique ID for the road shoulder feature[ESRI]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

roadShoulderType (CodeRoadShoulderType)	.
roadShoulderUse (String30)	.
width (Real)	.
type (String50)	.
sri (String20)	.
parking (String50)	.
milepostStart (Integer)	.
lonStart (Real)	.
lonEnd (Real)	.
latStart (Real)	.
latEnd (Real)	.
condition (String50)	.
milepostEnd (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.
roadSegmentID (String18)	ID of the RoadSegment feature with which this feature is associated[ESRI].
roadCenterlineID (String18)	ID of the RoadCenterline feature with which this feature is associated[ESRI].

Sidewalk Segment^{~1}

(Database=Sidewalk; FAA=Sidewalk)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
walkUse (String26) ^{~1}	A short description of the primary use of the sidewalk.
AmericanDisabilitiesAct (CodeBoolean) ^{~1}	Boolean indicating whether or not the walkway is in compliance with the American Disabilities Act.
surfaceTypeCharacteristics (CodeSurfaceComposition)	Primary material used in the sidewalk and/or trail[SDSFIE Feature Table].
length (Real) ^{~1}	The overall length of the sidewalk section.
surfaceMaterial (CodeSurfaceMaterial) ^{~1}	Primary material used in the sidewalk and/or trail.



segmentType (CodeSegmentType) ^{~1}	Code indicating the type of segment being classified.
condition (String50)	.
milepostEnd (Integer)	.
width (Real)	.
latEnd (Real)	.
latStart (Real)	.
lonEnd (Real)	.
lonStart (Real)	.
milepostStart (Integer)	.
sri (String20)	.
type (String50)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



	management system.
centerlineID (String18)	.
segmentID (String18)	.

Sidewalk Centerline

(Database=SidewalkCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Unclassified

The centerline of a sidewalk along which pedestrian traffic flows.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

evacuationRoute (CodeBoolean)	Whether this route should be used during an emergency or not.
directionality (CodeDirectionality)	An indicator as to whether operations can be conducted in one or two directions.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

impedance (Real)	The number representing the total opposition to flow.
impedanceEmergency (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Toll Plaza

(Database=TollPlaza)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

A roadway structure designed for the collection of tolls

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String50)	.
tollDirection (String50)	.
sri (String20)	.
noSigns (Integer4)	.
noManholes (Integer4)	.
lonStart (Real)	.
latStart (Real)	.
noLanes (Integer4)	.
noInlets (Integer4)	.
isGatePresent (CodeBoolean)	.
milepostStart (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Traffic Zone^{~1}

(Database=TrafficZone)

Geometry Type: Polygon

Accuracy: +/-20

Sensitivity: Unclassified

An area in which traffic controls or procedures are required of vehicle operators

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String20)	The type of zone.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Transit Stop

(Database=TransitStop)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Restricted

A location where passengers can load or unload from a bus, light rail train or other transit vehicle.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
stopID (String10)	A unique identifier assigned to the TransitStop.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

status (CodeStatus)	A temporal description of the operational status of the feature.
stopType (String20)	A code indicating what type of transit services uses this stop.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tunnel^{~1}

(Database=Tunnel; FAA=Tunnel)

Geometry Type: Polygon

Accuracy: +/-5

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) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
tunnelId (String10)	A unique identifier assigned to the Tunnel.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
type (String16) ^{~1}	The code that represents the type of tunnel.
verticalClearance (Real) ^{~1}	Indicates the actual vertical clearance to the top of the tunnel imposed by any restrictions.
averageHeight (Real) ^{~1}	The average height of the tunnel.
averageWidth (Real) ^{~1}	The average width of the tunnel.
length (Real) ^{~1}	The length of the tunnel.
directionality (CodeDirectionality) ^{~1}	Code indicating the direction of traffic flow in the tunnel.
segmentType (CodeSegmentType) ^{~1}	Code indicating the type of segment being classified.
lightingType (CodeLightingConfigurationType)	A description of the lighting system. Lighting system classifications are Approach; Airport; Runway; Taxiway; and Obstruction.
color (CodeColor)	The color of the feature.
markingFeatureType (CodeMarkingFeatureType)	The type of markings applied to the feature.
sri (String20)	.
condition (String50)	.
extrId (String50)	.
latStart (Real)	.
lonStart (Real)	.
milepostStart (Integer)	.
control (Integer2)	.
doorType (Integer2)	.
access (Integer2)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Utilities

Solar Panel

(Database=SolarPanel)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Device consisting of solar cells that convert light into energy. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String30)	The name of the fuel feature[AIR FORCE].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tank

(Database=Tank)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A tank to which either of the following conditions apply: (1) It is not associated with a specific utility, (2) It's use and contents are not currently known or defined (e.g., location identified by aerial photography but not yet verified by follow-up inv [SDSFIE Aerial Data Service]).

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item, if it is known.
serialNumber (String16)	The code that indicates the manufacturers serial, or unique identification number of the subject item, if it is known.

Attributes:

area (Real)	The size of the area, zone, or polygon in square units.
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perimeter (Real)	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]..
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum, if it is known.
invertElv (Real)	The elevation measured at bottom of the tank, in feet (English units) or meters (SI units) above some datum, if it is known.
tankLength (Real)	The dimension indicating the length dimension of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side, if it is known.
tankVol (Real)	The volume of the tank, if it is known.
tankWidth (Real)	The dimension indicating the exterior width of the tank, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side, if it is known.
topElevation (Real)	The dimension indicating the elevation of exterior top surface of the tanks lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum, if it is known.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:



junctionType ([CodeJunctionType](#))

An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tank Site^{~1}

(Database=TankSite; FAA=TankSite)

Geometry Type: Polygon

Accuracy: +/-3

Sensitivity: Confidential

An above or below grade receptacle or chamber for holding anything (e.g., fuels, water, waste, etc.) on a temporary basis prior to transfer, use, or disposal. Tanks are located on TankSites. [SDSFIE].

Names and Identifiers:

id (String40)^{~2}

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

name (String50)^{~1}

The name of the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

tankSiteId (Number*)

Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS]..

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature. This attribute is used to describe real-time status.

tankType (String40)^{~1}

A brief description of the type of tank.

topElevation (Real)^{~1}

The dimension indicating the elevation of exterior top surface of the tanks lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum, if it is known[SDSFIE Feature Table]..

lightCode ([CodeBoolean](#))^{~1}

A code indicating that the obstacle is lighted[AIXM]..

verticalStructureMaterial ([CodeVerticalStructureMaterial](#))^{~1}

Classifies the predominant material of the vertical object.

owner (String60)

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

lightingType ([CodeLightingConfigurationType](#))^{~1}

A description of the lighting system. Lighting system classifications are Approach, Airport, Runway, Taxiway, and Obstruction.

markingFeatureType ([CodeMarkingFeatureType](#))^{~1}

The type of marking(s).

color ([CodeColor](#))^{~1}

The color of the marking(s).

volume (Real)

The volume of the tank.

contents (String255)

text description of contents of the tank.



age (String25)	Age of the tank.
location (String255)	Text description of location of text.
dateInstalled (Date)	The date on which the feature was originally installed.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Conduit Centerline

(Database=UtilityConduitCenterline)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A pipe, structure, tube, or tile used to house or protect piping, cables, or wires for various utilities. [SDSFIE].



Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Utility Line^{~1}

(Database=UtilityLine; FAA=UtilityLine)

Geometry Type: Line

Accuracy: +/-

Sensitivity: Top Secret

Any utility feature that can be represented as a line.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

utilityId (Number*)	Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
utilityType (CodeUtilityType) ^{~1}	The type of utility represented by the feature[AC150/5300-18B]..
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
directionality (CodeDirectionality) ^{~1}	Code indicating the flow of the utility being classified.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Utility Marker

(Database=UtilityMarker)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Confidential

A sign, concrete monument, etc. installed either directly above or immediately adjacent to underground lines, bends, fittings, etc. [CDM V0.9].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String16)	A discriminator indicating the kind, class, or group of the subject item[CDM v0.9]..
text (String255)	Text describing the word or symbols on sign[CDM v0.9]..
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Utility Point^{~1}

(Database=UtilityPoint; FAA=UtilityPoint)

Geometry Type: Point

Accuracy: +/-

Sensitivity: Top Secret

Any utility feature that can be represented as a point.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
floorLevel (CodeFloorLevel)	The level of a building on which the feature exists.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

utilityId (Number*)	Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS].
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
utilityType (CodeUtilityType) ^{~1}	The type of utility represented by the feature[AC150/5300-18B].



owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Utility Polygon^{~1}

(Database=UtilityPolygon; FAA=UtilityPolygon)

Geometry Type: Polygon

Accuracy: +/-

Sensitivity: Top Secret

Any utility feature that can be represented as a polygon.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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name (String50) ^{~1}	Name of the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
Attributes:	
utilityId (Number*)	Primary Key. A globally unique identifier assigned to the instance of a feature type[FAA Airports GIS]..
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature. This attribute is used to describe real-time status.
utilityType (CodeUtilityType) ^{~1}	The type of utility represented by the feature[AC150/5300-18B]..
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
System Keys:	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Utilities_Air

Fitting

(Database=CompressedAirFitting)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pipe Line

(Database=CompressedAirPipeLine)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A pipe used to carry compressed air from location to location [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

length (Real)	The overall length of the feature[Center].
coverDepth (Real)	The depth of cover. The depth measured from top of grounds 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].
cblMaterial (CodeElectricCable)	.
directionality (CodeDirectionality)	.
size (CodePipeDiameter)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tank

(Database=CompressedAirTank)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A chamber for holding compressed air prior to its use. [SDSFIE FGDC Utilities Classification].



Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Valve

(Database=CompressedAirValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A device to control flow through a compressed air line. [SDSFIE REEGIS].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Utilities_Communications

Access Coverage Area

(Database=CommAccessCoverageArea)

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

The nominal coverage area for a wireless local area network (WLAN) access point. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

avgss (Real)	Average Signal Strength for coverage area[AIR FORCE].
maxsnr (Real)	Maximum Signal to Noise Ratio (dbm) for coverage area[AIR FORCE].
minsnr (Real)	Minimum Signal to Noise Ratio (dbm) for coverage area[AIR FORCE].
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	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 (Real)	Maximum Data Rate for the coverage area[AIR FORCE].
mindr (Real)	Minimum Data Rate for the coverage area[AIR FORCE].
remarks (String255)	A description or other unique information concerning the subject item, unlimited length (SDSFIE export limited to first 240 characters)[AIR FORCE].
description (String255) ^{~1}	Text that provides additional information about the feature.



Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Access Point

(Database=CommAccessPoint)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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 value 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 value 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 (Real)	The measure of signal amplification[AIR FORCE]..
height (Real)	Antenna height above ground level[AIR FORCE]..
elevation (Real)	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]..
remarks (String255)	A description or other unique information concerning the subject item, unlimited length (SDSFIE export limited to first 240 characters)[AIR FORCE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.



verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Antenna Site

(Database=CommAntenna)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location of a communications antenna. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..
corpName (String80)	Name of station corporation[HSIP]..

Attributes:

length (Real)	A measurement of the longer of two linear axes.
diameter (Real)	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 (Real)	The angle of horizontal deviation.
bandwidth (Real)	The difference between the highest and lowest frequencies that an antenna can pass[Tinker Air Force Base]..
elevation (Real)	The height of the antenna as measured from a reference point or from sea level[Tinker Air Force Base]..
gain (Real)	The measure of signal amplification[Tinker Air Force Base]..
txPower (Real)	The transmission power rating of the antenna[Tinker Air Force Base]..
txFreq (Real)	The transmission frequency of the antenna[Tinker Air Force Base]..
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
antUse (CodeCommAntennaUsageType)	The usage of communications antenna[AIR FORCE]..
beamwidthE (Integer)	The measurement of vertical beamwidth at half power[Tinker Air Force Base]..
beamwidthH (Integer)	The measurement of horizontal beamwidth at half power[Tinker Air Force Base]..
eqFpArea (Real)	The surface area used for calculating wind loading for tower design[Tinker Air Force Base]..
freqRngH (Real)	The highest frequency antenna is designed to pass[Tinker Air Force Base]..
rxFreq (Real)	The receiving frequency of the antenna[Tinker Air Force Base]..
freqRngL (Real)	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 (Real)	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 (Real)	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 (Real)	Antenna height above ground level[AIR FORCE]..
tilt (Real)	Antenna tilt angle for dish and parabolic antennas[AIR FORCE]..
peakpower (Real)	The peak amount of power the antenna can withstand[AIR FORCE]..
avgpwr (Real)	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]..
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
impedance (Real)	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]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Audio Device Coverage Area

(Database=CommAudioCoverageArea)

Geometry Type: Polygon

Accuracy: +/-10

Sensitivity: Restricted

The general area in which sounds from a specific audio device can be heard.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
deviceId (String14)	An identifier that is uniquely assigned to this feature for identification purposes.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique 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) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Cable Ladder

(Database=CommCableLadder)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A ladder type structure used to support the vertical conveyance of communications cable. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..

Attributes:

height (Real)	The height of the cable ladder measured from the ground surface to the top[Tinker Air Force Base]..
width (Real)	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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).



lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Cable Tray Line

(Database=CommCableTrayLine)

Geometry Type: Line

Accuracy: +/-5

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:



id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..

Attributes:

width (Real)	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 (Real)	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 (Real)	A measurement of the longer of two linear axes[Tinker Air Force Base]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Coaxial Line

(Database=CommCoaxialLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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]..
cbIMaterial (CodeElectricCable)	The material composition of the cable[Tinker Air Force Base]..
riverMile (Real)	The reference of the river mile associated with the cable[REEGIS]..
verticalClearance (Real)	The clearance in feet between the lowest point under the cable line and the waters surface at Mean High Water (MHW) referenced to a reading on the appropriate gage[Tinker Air Force Base]..
frequency (Real)	The number of cycles per unit time of the current in the coaxial cable[Tinker Air Force



	Base]..
cabOffset (Real)	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]..
cbLength (Real)	The length dimension of the cable[Tinker Air Force Base]..
diameter (Real)	The width of a cylindrical or circular cable[Tinker Air Force Base]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:



impedance (Real)

The number representing the total opposition to alternating current within an electrical circuit[Tinker Air Force Base]..

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

DbSplice

(Database=CommDbsplice)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A enclosed structure that represents a splice case (aerial or buried). [SDSFIE Air Force].

Names and Identifiers:

id (String40)^{~2}

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]..

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String16)

The Model, Product, Catalog, or Item Number of subject item[AIR FORCE]..

Attributes:

area (Real)

The size of the area, zone, or polygon in square units.

perimeter (Real)

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]..

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]..

remarks (String255)

A description or other unique information concerning the subject item, unlimited length (SDSFIE export limited to first 240 characters)[AIR FORCE]..

size (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

collectionProgress ([CodeProgress](#))

Status of collecting the data for this feature class.

lastUpdate (Date)

.

verified (String255)

A boolean indicating whether the location of the feature has been field verified.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.



Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Device

(Database=CommDevice)

Geometry Type: Point Accuracy: +/-1 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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
devName (String30)	Any commonly used name for the device[Tinker Air Force Base].



modelName (String16)

The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..

Attributes:

dgtIn (Integer)

The total number of digital-in ports on the device.

dgtOt (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]..

noPairInk (Integer)

The number of cables attached to the device.

readout ([CodeDisplayType](#))

The type of display or readout for the device.

anlIn (Integer)

The total number of analog-in ports on the device.

anlOt (Integer)

The total number of analog-out ports on the device.

material (String16)

.

size (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

collectionProgress ([CodeProgress](#))

Status of collecting the data for this feature class.

dateAcquired (Date)

The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

lastUpdate (Date)

.

verified (String255)

A boolean indicating whether the location of the feature has been field verified.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

qualityLevel ([CodeSueQualityLevel](#))

The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
impedance (Real)	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]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Ductbank

(Database=CommDuctbank)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

One or more duct routed in parallel between two nodes [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

noDucts (Integer)	The total number of ducts in the duct bank.
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 duct bank.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
dbkSize (Real)	A two dimensional description of the physical size of the duct bank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
dblLength (Real)	The total length of the duct bank from source to load. Manholes and pull boxes should not break the measurement.
concEnc (CodeBoolean)	A Boolean indicating whether the duct bank is encased in concrete[Tinker Air Force Base]..
diameter (Real)	Diameter (if round)[AIR FORCE]..
width (Real)	Width of horizontal cross section[AIR FORCE]..



height (Real)	Height[AIR FORCE]..
ductMat (CodePipeMaterial)	.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Marker

(Database=CommElectronicMarker)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Device that aids location of buried communications equipment or pathways. [SDSFIE NGA/NIMA].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

passve (CodeBoolean)	Is it a passive device? (Y/N)[AIR FORCE]..
meterDisplayType (CodeDisplayType)	A label describing the features of the electrical system that the meter is measuring[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]..
remarks (String255)	A description or other unique information concerning the subject item, unlimited length (SDSFIE export limited to first 240 characters)[AIR FORCE]..
meterType (CodeDisplayType)	.
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in



	ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Equipment

(Database=CommEquipment)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
eqpName (String60)	The name or type of the equipment[Tinker Air Force Base].
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base].
serialNumber (String16)	The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base].
stdsyName (String50)	The standard system name[Air Force].



monitorNumber (Integer)	The number of monitors on the switch[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 ports location on the device(slot/card/port)[Air Force]..
portVlan (String50)	The VLAN(s) port is assigned to[Air Force]..
ncc (CodeBoolean)	A boolean value indicating whether it is under The Network Control Center control (Y = YES or N = NO)?[Air Force]..
coeppinid (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 (Real)	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]..
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 value indicating of it is integrated w/a video switch (Y = YES and N = NO)?[Air Force]..
cbIType (CodeCableType)	The type of cable[Air Force]..
onIncMptos (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 (Real)	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 (Real)	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 value indicating whether the data is classified or unclassified (Y = YES and N = NO)?[Air Force]..
lineCap (Real)	The landline circuit capacity system[Air Force]..
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]..
remarks (String255)	Additional information about the camera switch[Air Force]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fiberoptic Line

(Database=CommFiberOpticLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
stationName (String12)	Commercial identifier[HSIP].
corpName (String80)	Name of station corporation[HSIP].

Attributes:

verticalClearance (Real)	The clearance in feet between the lowest point under the cable line and the waters surface at Mean High Water (MHW) referenced to a reading on the appropriate gage[REEGIS].
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cabElev (CodeCableElevation)	The vertical location of the cable[Tinker Air Force Base]..
riverMile (Real)	The river mile marker[REGIS]..
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 fiber optic cable.
installType (CodeCableInstallationType)	The installation type code for cables[Tinker Air Force Base]..
cbISht (CodeSheathInsulateType)	The type of cable sheathing or insulation[Tinker Air Force Base]..
length (Real)	A measurement of the longer of two linear axes[Tinker Air Force Base]..
diameter (Real)	The width of a cylindrical or circular cable[Tinker Air Force Base]..
cabOffset (Real)	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]..
cbIMaterial (CodeElectricCable)	Types of communication cable[HSIP]..
netAffil (String32)	Network affiliation[HSIP]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Groundplane Area

(Database=CommGroundplaneArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

A series of ground points electrically connected in a mesh formation necessary to minimize ground resistance and electromagnetic radiation, for example lightning strikes, in support of critical communications systems. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.



verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Ground Point

(Database=CommGroundPoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location where the communication configuration is grounded. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
resistance (Real)	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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Groundwave Area

(Database=CommGroundwaveArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

An emanation pattern of Low Frequency Electromagnetic transmissions which use a ground path for transmission. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Handhole

(Database=CommHandhole)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A chamber, just below the surface of the earth, too small for a man to enter in the route of one or more communication cable runs where cables may be accessed. [Derived from SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

noCables (Integer)	The number of cables in the hand hole.
type (CodeCommManholeType)	The hand hole type.
material (CodeSurfaceComposition)	The material composition of the hand hole.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
functionPurpose (CodeManholeFunctionType)	The function of the hand hole.
featureFuction (CodeManholeFunctionType)	The primary function which this feature serves.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Internet Center

(Database=CommInternetCenter)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A site that contains information about the internet center. [SDSFIE Air Force].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system
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alias (String60) ^{~2}	primary or foreign key value). An alternative or former name by which the feature is referred.
Attributes:	
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
area (Real)	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)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=CommJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

connectedTo (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.

size (Integer) .

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

collectionProgress ([CodeProgress](#)) Status of collecting the data for this feature class.

dateAcquired (Date) The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

lastUpdate (Date) .

verified (String255) A boolean indicating whether the location of the feature has been field verified.

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.



qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Manhole

(Database=CommManhole)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A subsurface chamber, large enough for a person to enter, in the route of one or more duct runs, and affording facilities for placing and maintaining the runs, conductors, cables, and associated communications apparatus. [Derived from SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
roadName (String30)	A common name or street name used to refer to the stretch of road that the manhole cover was located[FGDC].



modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base]..

Attributes:

perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
drainType (CodeDrainType)	An indication of the method of removing storm water from the manhole.
facilityType (CodeManholeCoverType)	he type of manhole frame/cover[Austin and Pitts]..
functionPurpose (CodeManholeFunctionType)	The function of the manhole[Austin and Pitts]..
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
noLatDct (Integer)	The number of lateral ducts in the manhole[Tinker Air Force Base]..
splRck (CodeBoolean)	A Boolean indicating the presence of splicing racks[Tinker Air Force Base]..
plugs (CodeBoolean)	A Boolean indicating the presence of ducts equipped with plugs[Tinker Air Force Base]..
mhSize (CodeSize)	The exact dimensions of a standard size manhole[Tinker Air Force Base]..
rimElevation (Real)	The height of the top of the rim of the manhole measured from grade.
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]..
area (Real)	The size of the area, zone, or polygon in square units.
mhIType (CodeCommManholeType)	The type of manhole[Tinker Air Force Base]..
mhMaterial (CodeEnclosureMaterials)	The material composition of the manhole[AIR FORCE]..
noCables (Integer)	A number representing the total number of cables in the manhole. A cable passing through the manhole counts as one cable and a cable tying into another cable inside the manhole counts as one cable.
floorElv (Real)	The height (or depth) of the bottom of the manhole measured from grade.
diameter (Real)	Diameter[AIR FORCE]..
depth (Real)	Depth of horizontal cross-section[AIR FORCE]..
width (Real)	Width of horizontal cross section[AIR FORCE]..
height (Real)	Height[AIR FORCE]..
dateInstalled (Date)	The date on which the feature was originally installed.
featureFuction (CodeManholeFunctionType)	The primary function which this feature serves.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Network Systems Site

(Database=CommNetworkSystemsSite)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:



netAff (CodeNetworkAffiliationType)	The broadcasting network to which the facility is associated[HSIP]..
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	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)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Other Cable

(Database=CommOtherCable)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

Any type of communications cable transmission not otherwise specified. [SDSFIE].

Names and Identifiers:

id (String40)^{~2} 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]..

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

cabUse ([CodeCableUse](#)) Discriminator - The overall use of the cable.

installType ([CodeCableInstallationType](#)) The installation type code for cables[Tinker Air Force Base]..

diameter (Real) 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 (Real) The river mile marker[REEGIS]..

cbIMaterial ([CodeElectricCable](#)) The material composition of the cable[Tinker Air Force Base]..

verticalClearance (Real) The clearance in feet between the lowest point under the cable line and the waters surface at Mean High Water (MHW) referenced to a reading on the appropriate gage[REEGIS]..

cbISht ([CodeSheathInsulateType](#)) The type of cable sheathing or insulation[Tinker Air Force Base]..

cbLength (Real) A measurement of the longer of two linear axes[Tinker Air Force Base]..

coffset (Real) The distance to the cable as measured from the edge of a paved surface[Tinker Air Force Base]..

icefacClr (Real) The clearance in feet between the lowest point under the cable line and the ice facility surface[S-57]..

directionality ([CodeDirectionality](#)) .

description (String255)^{~1} Text that provides additional information about the feature.



Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Paging Device

(Database=CommPagingDevice)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Unclassified



A communications device used to page individuals.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

type (String20)	The type of device.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pullbox Site

(Database=CommPullbox)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret



A box with cover used as an aid for pulling cable. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelNumber (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..

Attributes:

area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Segmented Cable

(Database=CommSegmentedCable)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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)	.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.



modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..
serialNumber (String16)	The manufacturers 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]..
cbIType (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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Speaker

(Database=CommSpeaker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[AIR FORCE]..

Attributes:

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 (Real)	Diameter, if round or cylindrical[AIR FORCE]..
width (Real)	Width[AIR FORCE]..



height (Real)	Height[AIR FORCE]..
depth (Real)	Depth[AIR FORCE]..
freqRngH (Real)	Highest effective frequency speaker emits in Hz[AIR FORCE]..
freqRngL (Real)	Lowest effective frequency speaker emits in Hz[AIR FORCE]..
weight (Real)	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]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

Networking:

junctionType ([CodeJunctionType](#))

An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Telephone

(Database=CommTelephone)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location of an end user telephone set used for voice communications. [SDSFIE Tinker Air Force Base].

Names and Identifiers:

id (String40)^{~2}

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]..

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String16)

The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..

serialNumber (String16)

The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base]..

Attributes:

featureUse (String10)

The primary use of the feature.

color ([CodeColor](#))

The color of the emergency telephone[FGDC]..

appearance (String50)

A description of the appearance of phone[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 (String20)

The phone number of the location[Tinker Air Force Base]..

material (String16)

.

size (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.



Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Twisted Pair Line

(Database=CommTwistedPairLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

verticalClearance (Real)	The clearance in feet between the lowest point under the cable line and the waters 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 (Real)	The reference of the river mile associated with the cable[REEGIS]..
cblSize (CodeCableDimension)	The wire gauge of the cable[Austin and Pitts]..
resistance (Real)	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 (Real)	The distance to the cable as measured from the edge of a paved surface[Tinker Air Force Base]..
length (Real)	A measurement of the longer of two linear axes[Tinker Air Force Base]..
diameter (Real)	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]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).



lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Vault

(Database=CommVault)

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

An area representing the ground footprint of an electrical vault.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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name (String30)	Any commonly used name for the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Vault

(Database=CommVaultSite)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base]..
serialNumber (String16)	The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base]..

Attributes:

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 (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	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 (Real)	Diameter[AIR FORCE]..
depth (Real)	Depth of horizontal cross-section[AIR FORCE]..
width (Real)	Width of horizontal cross section[AIR FORCE]..
height (Real)	Height[AIR FORCE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Video Site

(Database=CommVideoSite)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String16)	The Model, Product, Catalog, or Item Number of subject item[Tinker Air Force Base].
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item[Tinker Air Force Base].

Attributes:

type (String40)	The type of visual device.
convType (String60)	A type of media converter[Tinker Air Force Base].
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	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 (Real)	The data rate[Tinker Air Force Base].
crypto (CodeBoolean)	Classified or Unclassified (Y/N)?[Tinker Air Force Base].
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Utilities_Electrical

Bus Line

(Database=ElectricalBusLine)

Geometry Type: Line Accuracy: +/-5 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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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.
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 (Real)	The reactance of the bus provided by the manufacturer.
sizeNeut (CodeCableDimension)	The size of the neutral conductors.
resistance (Real)	The resistance of the bus provided by the manufacturer.
length (Real)	The overall length of the feature[Center]..
cblMaterial (CodeElectricCable)	.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
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dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Cable

(Database=ElectricalCable)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A group of conductors used to carry electrical energy from point to point. [SDSFIE FGDC Utilities Classification].



Names and Identifiers:

id (String40) ^{~2}	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[REGIS]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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[REGIS]..
catnav (CodeNavigationLineType)	Category of navigation line[S-57]..
cblLength (Real)	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.
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 duct bank.
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 (Real)	River mile marker[REGIS]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Ductbank

(Database=ElectricalDuctbank)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A tubular structure that provides protection for underground cables contained in conduit. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	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[REGIS].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

ductMat (CodePipeMaterial)	An indication of the type of material of which the duct is composed.
dbkLength (Real)	The total length of the duct bank from source to load. Manholes and pull boxes should



	not break the measurement.
dbkSize (Real)	A two dimensional description of the physical size of the duct bank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
voltage (CodeVoltage)	The maximum voltage in the duct bank.
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 duct bank.
noSpares (Integer)	The number of spare ducts enclosed in the duct bank for future use.
riverMile (Real)	River mile marker[REEGIS]..
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:



impedance (Real)

The number representing the total opposition to flow.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Generator

(Database=ElectricalGenerator)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A machine which converts mechanical energy into electrical energy. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelName (String12)

The Model, Product, Catalog, or Item Number of subject item.

serialNumber (String15)

The manufacturers 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.

powerFact (Real)

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.

fuelStorageType ([CodeFuelStorageType](#))

The method used to store the fuel supplied to this generator.

dayTank ([CodeBoolean](#))

An indicator as to whether the generator has a day tank or not.

hertz (Real)

The frequency of the electrical signal that the generator creates.

oilCapacity (Real)

The manufacturer recommended amount of oil that the generator engine requires to



voltage (CodeVoltage)	operate properly.
kvaRate (Integer)	The potential of the electrical energy that the generator creates.
kwRate (Integer)	The rating of the complex power that the generator creates.
noPhases (Integer)	The rating of the real power that the generator creates.
sound (CodeBoolean)	The number of phases to which this device provides reactive power.
phaseLeter (CodeElectricPhaseType)	An indicator as to whether or not Insulation was added to dampen the transmission of noise. (yes or no).
numPipes (Integer)	The letter(s) of the phase(s) for the subject item.
pwrsource (String65)	The number of powerlines entering the power plant[HSIP]..
fuelDel (CodeFuelDeliveryMethodType)	The source of the power used by the plant to generate electricity[HSIP]..
numLines (Integer)	The delivery method of the fuel used at the power plant[HSIP]..
numStat (Integer)	The total number of powerlines exiting the power plant[HSIP]..
genCapacity (Real)	The total number of substations associated with the power plant[HSIP]..
comAff (String80)	The total generating capacity of the power plant[HSIP]..
numGen (Integer)	The name of the company that operates the power plant[HSIP]..
material (String16)	The total number of generators at the power plant[HSIP]..
description (String255) ^{~1}	.

Metadata:

collectionProgress (CodeProgress)	Text that provides additional information about the feature.
dateAcquired (Date)	Status of collecting the data for this feature class.
lastUpdate (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)	.
status (CodeStatus) ^{~1}	A boolean indicating whether the location of the feature has been field verified.
Alternative (Integer) ^{~1}	A temporal description of the operational status of the feature.
projectNumber (String20) ^{~2}	Discriminator used to tie features of a plan or proposal together into a version.
qualityLevel (CodeSueQualityLevel)	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource) ^{~2~3}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataStatus (CodeDataStatus) ^{~2}	The source of the data in this record.
dateDataAcquired (Date) ^{~2}	The development stage in which the data is in.
	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=ElectricalJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

drainType (CodeDrainType)	An indication of the method of removing storm water from the manhole.
floorElv (Real)	The height (or depth) of the bottom of the manhole measured from grade.
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].
mhDia (Real)	The maximum linear distance measured horizontally across a manhole.
noCables (Integer)	A number representing the total number of cables in the manhole. A cable passing through the manhole counts as one cable and a cable tying into another cable inside the manhole counts as one cable.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron,



rimElevation (Real)	plastic, etc.
type (String16)	The height of the top of the rim of the manhole measured from grade.
area (Real)	A field indicating the kind, class, or group of manhole for the subject utility.
perimeter (Real)	The size of the area, zone, or polygon in square units.
description (String255) ^{~1}	The distance around the boundary of the area, zone, or subject item in linear units.
	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction Site

(Database=ElectricalJunctionSite)



Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

An area of physical boundary encompassing one or more electrical junctions. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

type (String16) A field indicating the kind, class, or group of manhole for the subject utility.

owner (String60) A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].

area (Real) The size of the area, zone, or polygon in square units.

drainType ([CodeDrainType](#)) .

featureUse (String16) .

floorElv (Integer) .

material ([CodePipeMaterial](#)) The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.

mhDia (Integer) .

noCables (Integer) .

perimeter (Integer) .

rimElevation (Real) The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.

description (String255)^{~1} Text that provides additional information about the feature.

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).

lastUpdate (Date) .

sourceQualityLevel ([CodeSueQualityLevel](#)) The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

metadata (Integer) Foreign Key. Used to link the record to the applicable feature level metadata record(s).

qualityLevel ([CodeSueQualityLevel](#)) The subsurface utility engineering quality level assigned to utilities features as defined in



	ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType ([CodeJunctionType](#)) .

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Light

(Database=ElectricalLight)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Locations of point sources of general external lighting (excluding airfield lights). [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

ArticleNumber (String20) The article number[buildingSmart IFC]..

Attributes:

featureUse ([CodeExternalLight](#)) Various kinds of mounts for external lights.

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 (Real)	The height above the ground/base surface of the light fixture.
mountHeight (Real)	The fixture mounting height.
mount (CodeMountType)	The manner in which the light is mounted.
litType (CodeExternalLight)	.
material (String16)	.
NominalCurrent (Real)	The maximum allowed current that a device is certified to handle[buildingSmart IFC]..
UsageCurrent (Real)	The current that a device is actually handling or is calculated to be handling at a point in time[buildingSmart IFC]..
ElectricalDeviceNominalPower (Real)	The output power rating that is certified for a device[buildingSmart IFC]..
NumberOfPoles (Integer)	The number of logical connections that can be made on an electrical device[buildingSmart IFC]..
HasProtectiveEarth (CodeBoolean)	Indicates whether the electrical device has a protective earth connection (=TRUE) or not (= FALSE)[buildingSmart IFC]..
NominalFrequencyRange (Real)	The upper and lower limits of frequency for which the operation of the device is certified[buildingSmart IFC]..
PhaseAngle (Real)	The angular difference between two waveforms of the same frequency[buildingSmart IFC]..
IP_Code (String60)	IEC 529 (1989) Classification of degrees of protection provided by enclosures (IP Code)[buildingSmart IFC]..
InsulationStandardClass (CodeInsulationStandardClass)	Insulation standard classes provides basic protection information against electric shock. Defines levels of insulation required in terms of constructional requirements (creepage and clearance distances) and electrical requirements (compliance with electri[buildingSmart IFC]..
PhaseReference (String20)	The phase identification used for the device electrical input. This should be the same phase identifier that is used for the conductor segment providing the electrical service to the device. In general, it is recommended that IEC recommendations for phase[buildingSmart IFC]..
LightFixtureMountingType (CodeLightFixtureMountingType)	A list of the available types of mounting for light fixtures from which that required may be selected[buildingSmart IFC]..
LightFixturePlacingType (CodeLightFixturePlacingType)	A list of the available types of placing specification for light fixtures from which that required may be selected[buildingSmart IFC]..
MaintenanceFactor (Real)	Maintenance factor[buildingSmart IFC]..
ManufSpecificInfo (String60)	Manufacturer specific information[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.



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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=ElectricalMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Meter

(Database=ElectricalMeter)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.

Attributes:

ampRate (Integer)	The maximum continuous current rating of the meter.
capacityKva (Real)	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 (Real)	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].
accountId (String100)	The account number which is charged for material moving through this meter.
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].
material (String16)	.
billingAddress (String255)	.
latitude (String25)	.
longitude (String25)	.
rate (String50)	.
streetAddress (String255)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should



not be used to store the subject items data[SDSFIE].

Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Utility Pole Guy

(Database=ElectricalPoleGuyConnectPoint)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

anchorAtt (String15) The type of anchor attachment to the pole or tower.

anchorType (String15) The type of anchor used with this guy.

cbIDia (Real) The nominal diameter of the cable.

guyLength (Real) The length of the guy cable from pole connection to anchor.

cbIMaterial ([CodeElectricCable](#)) The material composition of the cable.

cbISht ([CodeSheathInsulateType](#)) The type sheath attached to the guy cable.

cbITen (Real) The tensile force applied to the guy cable.

cbIType (String16) The type of cable use for the guy.

guyType ([CodeUtilityGuyType](#)) A code indicating the configuration of the guy construction.

size (Integer) .

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first



	recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Utility Pole Guy Line

(Database=ElectricalPoleGuyLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
directionality (CodeDirectionality)	.
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.



Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Substation

(Database=ElectricalSubstation)

Geometry Type: Polygon

Accuracy: +/-1

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:

id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
facilityName (String65)	A commonly used name for the facility[HSIP]..

Attributes:

voltOut (CodeVoltage)	The line-to-line output voltage of the substation.
capacityOper (Real)	The normal continuous amount of complex power that the substation provides.
capacityRate (Real)	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 (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
facilitiesServed (String255)	A list of facilities served by this utility.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first



	recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Transformr Bank

(Database=ElectricalTransformerBank)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A location containing one or more transformers. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

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 (Real)	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 (Real)	The capacity of the second transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
tranCap3 (Real)	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 (Real)	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.
lastInspectedDate (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 PCBs and can be classified as wet or not (YES = Y and NO = N)?[Air Force]..
material (String16)	.
NominalCurrent (Real)	The maximum allowed current that a device is certified to handle[buildingSmart IFC]..
UsageCurrent (Real)	The current that a device is actually handling or is calculated to be handling at a point in time[buildingSmart IFC]..
NominalVoltage (Real)	The range of allowed voltage that a device is certified to handle. The upper bound of this value is the maximum[buildingSmart IFC]..
ElectricalDeviceNominalPower (Real)	The output power rating that is certified for a device[buildingSmart IFC]..
NumberOfPoles (Integer)	The number of logical connections that can be made on an electrical device[buildingSmart IFC]..



HasProtectiveEarth (CodeBoolean)	Indicates whether the electrical device has a protective earth connection (=TRUE) or not (= FALSE)[buildingSmart IFC]..
NominalFrequencyRange (Real)	The upper and lower limits of frequency for which the operation of the device is certified[buildingSmart IFC]..
PhaseAngle (Real)	The angular difference between two waveforms of the same frequency[buildingSmart IFC]..
IP_Code (String60)	IEC 529 (1989) Classification of degrees of protection provided by enclosures (IP Code)[buildingSmart IFC]..
InsulationStandardClass (CodeInsulationStandardClass)	Insulation standard classes provides basic protection information against electric shock. Defines levels of insulation required in terms of constructional requirements (creepage and clearance distances) and electrical requirements (compliance with electri[buildingSmart IFC]..
PhaseReference (String20)	The phase identification used for the device electrical input. This should be the same phase identifier that is used for the conductor segment providing the electrical service to the device. In general, it is recommended that IEC recommendations for phase[buildingSmart IFC]..
PrimaryCurrent (Real)	The current that is going to be transformed and that runs into the transformer on the primary side[buildingSmart IFC]..
SecondaryCurrent (Real)	The current that has been transformed and is running out of the transformer on the secondary side[buildingSmart IFC]..
PrimaryFrequency (Real)	The frequency that is going to be transformed and that runs into the transformer on the primary side[buildingSmart IFC]..
SecondaryFrequency (Real)	The frequency that has been transformed and is running out of the transformer on the secondary side[buildingSmart IFC]..
PrimaryApparentPower (Real)	The power in VA (volt ampere) that has been transformed and that runs into the transformer on the primary side[buildingSmart IFC]..
SecondaryApparentPower (Real)	The power in VA (volt ampere) that has been transformed and is running out of the transformer on the secondary side[buildingSmart IFC]..
MaximumApparentPower (Real)	Maximum apparent power or capacity in VA (volt ampere)[buildingSmart IFC]..
SecondaryCurrentType (CodeSecondaryCurrentType)	A list of the secondary current types that can result from[buildingSmart IFC]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in



	ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Transformer Vault

(Database=ElectricalTransformerVault)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

An enclosure housing one or more transformers. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

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



material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
<u>Networking:</u>	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Vault

(Database=ElectricalVault)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Utilities_EMCS

Cable

(Database=EnergyCtrlMonCable)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

Data transmission media, typically fiber optics or shielded twisted-pair. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

cbldim (CodeCableDimension)	The cable dimension.
cbllength (Real)	The overall cable length.
cbllmaterial (CodeElectricCable)	The material composition of the cable.
cbllsht (CodeSheathInsulateType)	The type of cable sheathing or insulation.
cblltype (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 (Real)	Loss of a signal over a conductor expressed in decibels.
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.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Device

(Database=EnergyCtrlMonDevice)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Devices used in an energy monitoring control system to collect, process or transmit data signals. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.



Attributes:

anlIn (Integer)	The total number of analog-in ports on the device.
anlInSp (Integer)	The number of spare analog-in ports.
anlOt (Integer)	The total number of analog-out ports on the device.
anlOtSp (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].
devType (CodeEcmDevice)	Discriminator, This value differentiates similar entities by use or type.
installType (CodePumpSta)	The type installation of the subject item.
dgtIn (Integer)	The total number of digital-in ports on the device.
dgtInSp (Integer)	The number of spare digital-in ports.
dgtOt (Integer)	The total number of digital-out ports on the device.
dgtOtSp (Integer)	The number of spare digital-out ports.
readout (CodeDisplayType)	The type of display or readout for the device.
noPairInk (Integer)	The number of twisted pair linked to the device.
location (String50)	Text description of location of item.
manufacturerName (String60)	Manufacturers name.
sensorNumber (Integer)	Sensor number associated with item.
inspectionFormNo (String50)	Form number used by inspectors when inspecting the item,.
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
impedance (Real)	The overall device resistance measured in ohms.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Ductbank

(Database=EnergyCtrlMonDuctbank)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A structure containing multiple conduits used to protect underground cables. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

ductMat (CodePipeMaterial)	The material composition of the duct bank.
dbkLength (Real)	The total length of the duct bank from source to load. Manholes and pull boxes should



	not break the measurement.
dbkSize (Real)	A two dimensional description of the physical size of the duct bank 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 duct bank.
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 duct bank.
noSpares (Integer)	The total number of ducts not used in the duct bank.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



	recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=EnergyCtrlMonMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the
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utility asset[Adopted from SDSFIE]..	
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Data Set: Utilities_Fuel

Fuel Farm

(Database=FuelFarm)

Geometry Type: Polygon

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Farm Site

(Database=FuelFarmLocation)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fitting

(Database=FuelFitting)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
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dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
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System Keys:



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assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Hydrant

(Database=FuelHydrant)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Location where fuel is control discharged to users. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

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System Keys:

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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=FuelJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

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userFlag (String254)^{~1}

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Line

(Database=FuelLine)

Geometry Type: Line

Accuracy: +/-5

Sensitivity: Secret

A pipe used to carry fuel from location to location (main line, service line, vent line, etc). [SDSFIE FGDC Utilities Classification].

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Marker

(Database=FuelMarker)

Geometry Type: Point

Accuracy: +/-1

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:

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Meter

(Database=FuelMeter)

Geometry Type: Point

Accuracy: +/-1

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].

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Pit

(Database=FuelPitArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

An sunken area or area surrounded by soil at a higher grade intended to contain a spill from one or more tanks.

Names and Identifiers:

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Pump

(Database=FuelPump)

Geometry Type: Point

Accuracy: +/-1

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:

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Source

(Database=FuelSource)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The point from which the fuel is supplied a product for processing and distribution. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

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Tank

(Database=FuelTank)

Geometry Type: Point

Accuracy: +/-1

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:

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System Keys:



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Tank Area

(Database=FuelTankArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Secret

An area of physical boundary encompassing one or more tanks.

Names and Identifiers:

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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Transfer Area

(Database=FuelTransferArea)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

An area in which fuel is transferred from an external source into a fuel pipe network.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

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accuracy ([CodeSpatialAccuracy](#))^{~2}

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System Keys:

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A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Transmission Pipeline

(Database=FuelTransPipeline)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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management system.

Refinery Site

(Database=FuelTransRefinery)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

An establishment where fossil fuels are refined. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Valve

(Database=FuelValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a fuel line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Vault

(Database=FuelVault)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1} A temporal description of the operational status of the feature.

Alternative (Integer)^{~1} Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2} A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2} An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3} The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2} The development stage in which the data is in.

dateDataAcquired (Date)^{~2} The date the data in this record was first captured.

dataStartDate (Date)^{~2} The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2} The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2} The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2} The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1} An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Utilities_HCS

Junction

(Database=HeatCoolJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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.
groundElevation (Real)	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 (Real)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Real)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Real)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Real)	The top surface elevation of the subject items 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.
dateAcquired (Date)	Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915). Date on which item was acquired or installed[Cherry Point]..
rimElevation (Real)	The elevation of exterior top surface of the subject items 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 (Real)	The size of the area, zone, or polygon in square units[Cherry Point]..
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units[Cherry Point]..
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
<u>Networking:</u>	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Line

(Database=HeatCoolLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

catProt (CodeBoolean)	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
expLoop (CodeBoolean)	The expansion loop of the heating and cooling system.
pipeLength (Real)	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 (Real)	The manufacturers or industry standards maximum pressure rating of the subject item.
groundElevation1 (Real)	The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
groundElevation2 (Real)	The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
invElv1 (Real)	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 (Real)	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 (Real)	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 (Real)	The normal operating pressure of the heating and cooling system pipe.
tempNorm (Real)	The normal operating temperature of the subject item.
tempMax (Real)	The manufacturers or industry standards maximum temperature rating of the subject



size (CodePipeDiameter)	item. 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 (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground heating and cooling system line pipe[Air Force].
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Marker

(Database=HeatCoolMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world



	condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Meter

(Database=HeatCoolMeter)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelName (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:

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).
meterElv (Real)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
groundElevation (Real)	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.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Plant Area

(Database=HeatCoolPlantArea)

Geometry Type: Polygon

Accuracy: +/-5

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:

id (String40) ^{~2}	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.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

capacCool (Real)	The plants rated capacity (e.g., tons), which signifies the peak constant cooling ability of the plant.
capacHeat (Real)	The plants rated capacity (e.g. boiler_hp), which signifies the peak constant heating ability of the plant.
area (Real)	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].
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressCool (Real)	The nominal chilled water pressure leaving the plant.
pressHeat (Real)	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 (Real)	The nominal chilled water temperature leaving the plant.
tempHeat (Real)	The nominal hot water temperature leaving the plant.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
plantElv (Real)	The finished floor elevation of the energy plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Real)	The overall length dimension of the energy plant.
plantwidth (Real)	The overall width dimension of the energy plant.
type (String16)	Discriminator. The kind, class, or group of the subject item.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pre-Conditioned Air Unit

(Database=HeatCoolPreCondAirUnit)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A mechanical device for heating and cooling system that conditions air on the apron ramp to cool portions of an aircraft

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.



Attributes:

capacityRate (Real)	The manufacturers 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]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pump

(Database=HeatCoolPump)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
capacityAct (Real)	The measured capacity of the pump operating under actual normal head and flow conditions.
capacityRate (Real)	The manufacturers 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]..
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
groundElevation (Real)	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 (Real)	The total dynamic head upon which the capacity_ <u>rated</u> is based.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Real)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
type (String40)	A field indicating the kind, class, or group of the subject item.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.



Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Valve

(Database=HeatCoolValve)

Geometry Type: Point Accuracy: +/-1 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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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).
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
valveElv (Real)	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 (Real)	The manufacturers nominal size designation.
valveSt (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).
coverDepth (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground heating and cooling system line valve[Air Force]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

Networking:

junctionType ([CodeJunctionType](#))

An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Vault

(Database=HeatCoolVault)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String20)

.

Attributes:

airrfValve ([CodeBoolean](#))

.

area (Real)

The size of the area, zone, or polygon in square units.

drainType ([CodeDrainType](#))

.

groundElevation (Integer)

.

invertElv (Real)

.

material ([CodePipeMaterial](#))

.

mhDia (Real)

.

mhLength (Real)

.

mhWidth (Real)

The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.

noPipes (Integer)

.

noValves (Integer)

.

owner (String60)

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

perimeter (Integer)

.



rimElevation (Real)	The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
size (Integer)	.
type (String16)	.
featureUse (String50)	The primary use of the feature.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Utilities_Industrial_Waste

Discharge Point

(Database=IndustrialWasteDischargePoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Any location where industrial waste water pipes directly discharge effluent. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

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).
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]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Inlet

(Database=IndustrialWasteInlet)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location where water is collected and received into the utility system. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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:

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
capacityDgn (Real)	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 (Real)	The top surface elevation of the subject items interior floor/bottom in feet (English



weirElevation (Real)	units) or meters (SI units) above some datum.
estimatedDischarge (Integer)	Elevation of the weir invert.
dischargedMaterial (String20)	Estimated quantity of discharge to inlet[Cherry Point]..
material (String16)	Material being discharged, or potentially discharged[Cherry Point]..
size (Integer)	.
description (String255) ^{~1}	.
Metadata:	
collectionProgress (CodeProgress)	Text that provides additional information about the feature.
lastUpdate (Date)	Status of collecting the data for this feature class.
verified (String255)	.
status (CodeStatus) ^{~1}	A boolean indicating whether the location of the feature has been field verified.
Alternative (Integer) ^{~1}	A temporal description of the operational status of the feature.
projectNumber (String20) ^{~2}	Discriminator used to tie features of a plan or proposal together into a version.
qualityLevel (CodeSueQualityLevel)	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
dataSource (CodeDataSource) ^{~2~3}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataStatus (CodeDataStatus) ^{~2}	The source of the data in this record.
dateDataAcquired (Date) ^{~2}	The development stage in which the data is in.
dataStartDate (Date) ^{~2}	The date the data in this record was first captured.
dataEndDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
dateLastUpdate (Date) ^{~2}	The name of the individual who last edited this record.
userFlag (String254) ^{~1}	The date upon which any data associated with this record was last updated.
Networking:	
junctionType (CodeJunctionType)	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..
System Keys:	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.



assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=IndustrialWasteJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

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.

mhDia (Real)

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 (Real)

The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.

mhWidth (Real)

The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.

invertElv (Real)

The top surface elevation of the subject items 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 (Real)

The elevation of exterior top surface of the subject items 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 (Real)	A direction clockwise in degrees from magnetic north indicating location of pipe opening in manhole[USMC]..
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Lagoon

(Database=IndustrialWasteLagoon)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

A shallow man made pool or pond for the purpose of holding industrial waste. [SDSFIE].

Names and Identifiers:

id (String40) ^{~2}	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.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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 (Real)	The power rating for the aerator, usually in terms of horse power (hp).
area (Real)	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 (Real)	The average depth of containment measured from normal operating pool.
lgnLength (Real)	The average length of the lagoon.
lgnWidth (Real)	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 (Real)	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 (Real)	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.
material (CodePipeMaterial)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Line

(Database=IndustrialWasteLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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:

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).
pressMax (Real)	The manufacturers or industry standards 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 (Real)	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 (Real)	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 (Real)	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 (Real)	The slope of the bottom of the subject item expressed as a percentage.
pressNorm (Real)	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 (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground industrial waste line pipe[Air Force].
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
------------------	---

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=IndustrialWasteMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pump

(Database=IndustrialWastePump)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.



modelName (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 manufacturers serial, or unique identification number of the subject item.

Attributes:

coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
capacityAct (Real)	The measured capacity of the pump operating under actual normal head and flow conditions.
capacityRate (Real)	The manufacturers 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 (Real)	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 (Real)	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.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Storage Area

(Database=IndustrialWasteStorageArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

A structure used to contain and hold industrial waste. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
facilityNumber (String20)	The organization specific identification code from Armys IFS-M, Air Forces WIMS, or Navys 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:

dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
dateInstalled (Date)	The date on which the feature was originally installed.



lastInspectedDate (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 (Real)	The average depth of containment.
vltLength (Real)	The average length of the vault.
vltWidth (Real)	The average width dimension of the vault, measured from top of opposite side slopes.
invElv (Real)	The elevation of the bottom of the vault.
aerator (CodeBoolean)	Indicates whether or not the vault has aerators. (yes/no).
aeratorPow (Real)	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 (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.



Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tank

(Database=IndustrialWasteTank)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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 manufacturers 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 (Real) The size of the area, zone, or polygon in square units.

ovrflwElevation (Real) 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.

dateAcquired (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 (Real) The normal operating head for the subject item.

invertElv (Real) 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 (Real) The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.

tankLength (Real) 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 (String40) This value differentiates similar entities by use or type.

tankUse ([CodeTankUse](#)) The particular kind or use of the industrial waste water tank.

tankWidth (Real) 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 (Real) The tanks storage capacity (e.g., gallons, ft3, etc).

tankDepth (Real) The depth below the ground surface or cover measured from the top of the subject item.

tankDiameter (Real) The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.

color ([CodeColor](#)) .

lightCode (String1) .

lightingType ([CodeLightingConfigurationType](#)) .

markingFeatureType ([CodeMarkingFeatureType](#)) The type of the marking.

verticalStructureMaterial (String16) .

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

collectionProgress ([CodeProgress](#)) Status of collecting the data for this feature class.

lastUpdate (Date) .



verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Valve

(Database=IndustrialWasteValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a industrial waste line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
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).
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 (Real)	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 (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground industrial waste line valve[Air Force].
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

collectionProgress (CodeProgress)	Status of collecting the data for this feature class.
lastUpdate (Date)	.
verified (String255)	A boolean indicating whether the location of the feature has been field verified.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.



editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Utilities_Storm

Clean Out

(Database=StormCleanout)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

A point at which laning apparatus can be used to clean out a storm line.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real



	world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Discharge Point

(Database=StormDischargePoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Any location where storm sewer pipes directly discharge effluent. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	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.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

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).
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 storm water discharge system[USACE OPERATIONS]..
enabled (CodeBoolean)	.
iDDE (String10)	.
inspectionPhase (String16)	.
invertFeet (Real)	.
material (String16)	.
size (Integer)	.



description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)

.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

qualityLevel ([CodeSueQualityLevel](#))

The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

Networking:

junctionType ([CodeJunctionType](#))

.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Downspout

(Database=StormDownspout)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

dnspLength (Real)	The length of the downspout, measured from highest point to its discharge point.
baseElevation (Real)	The elevation of the discharge point of the downspout in feet (English units) or meters (SI units) above some datum.
dateAcquired (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]..
groundElevation (Real)	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) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.



dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Drainage Basin

(Database=StormDrainageBasin)

Geometry Type: Polygon

Accuracy: +/-5

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:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

area (Real)	The size of the area, zone, or polygon in square units.
isManmade (CodeBoolean)	An indicator as to whether the basin is natural or manmade.
gradeMean (Real)	The average grade in the drainage basin.
gradeMin (Real)	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).
gradeMax (Real)	The maximum or steepest grade in the drainage basin.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.



acres (Real)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Drainage Divide Line

(Database=StormDrainageDivideLine)

Geometry Type: Line

Accuracy: +/-5

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:



id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
enabled (CodeBoolean)	.
directionality (CodeDirectionality)	.
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

impedance (Real)

The number representing the total opposition to flow.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flow Control Device

(Database=StormFlowControlDevice)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2}

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 common name used to refer to the feature.

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelName (String12)

The Model, Product, Catalog, or Item Number of subject item.

serialNumber (String15)

The manufacturers serial, or unique identification number of the subject item.

Attributes:

cntrlElv (Real)

The elevation at the centerline of the flow control device, in feet (English units) or meters (SI units) above some datum.

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).

fctDepth (Real)

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 (Real)

The overall length of the flow control.

fctWidth (Real)

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.

material (String16)

.

description (String255)^{~1}

Text that provides additional information about the feature.



Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Headwall Line

(Database=StormHeadwallLine)

Geometry Type: Line

Accuracy: +/-5

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:



id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
directionality (CodeDirectionality)	.
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:



impedance (Real)

The number representing the total opposition to flow.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Headwall

(Database=StormHeadwallPoint)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2}

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]..

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

riverMile (Real)

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 (Real)

The elevation of the top of wall above the pipe.

length (Real)

The overall length of the feature[Center]..

material (String16)

.

size (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.

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).

lastUpdate (Date)

.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.



qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Inlet

(Database=StormInlet)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location where water is collected and received into the utility system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

capacityDgn (Real)	The design flow capacity of the subject item.
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dateAcquired (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 (Real)	The top surface elevation of the subject items interior floor/bottom in feet (English units) or meters (SI units) above some datum.
weirElevation (Real)	Elevation of the weir invert.
garageInlet (CodeBoolean)	Indicator as to whether the inlet is located within a garage or not. This is important to the MES database.
enabled (CodeBoolean)	.
inspectionPhase (String16)	.
invertFeet (Real)	.
material (String16)	.
size (Integer)	.
type (String50)	.
milepostStart (Integer)	.
clean (String50)	.
condition (String50)	.
isDuplicate (CodeBoolean)	.
latStart (Real)	.
lonStart (Real)	.
sri (String20)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=StormJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelNumber (String12)	The Model, Product, Catalog, or Item Number of subject item.

Attributes:

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]..
location (String255)	A textual description of the location of this feature.



surfaceMaterial (CodeSurfaceMaterial)	A classification of airfield pavement surfaces for Airport Obstruction Charts[AC 150/5300-18b].
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
mhDiameter (Real)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Real)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Real)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
rimElevation (Real)	The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
invertElv (Real)	The top surface elevation of the subject items 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.
lineIn1Mtrl (CodePipeMaterial)	The material composition of the lowest pipe entering this junction.
lineIn1Dia (Real)	The diameter of the lowest pipe that enters this junction.
lineIn1InvElv (Real)	The elevation of the bottom of lowest pipe (i.e., pipe invert) in feet (English units) above some datum.
lineIn1NoPipes (Integer)	The number of the pipes entering the subject item at the corresponding location.
lineIn2Mtrl (CodePipeMaterial)	The material composition of the second lowest pipe entering this junction.
lineIn2Dia (Real)	The diameter of the second lowest pipe that enters this junction.
lineIn2InvElv (Real)	The elevation of the bottom of the second lowest pipe (i.e., pipe invert) in feet (English units) above some datum.
lineIn2NoPipes (Integer)	The number of the pipes entering the subject item at the corresponding location.
lineIn3Mtrl (CodePipeMaterial)	The material composition of the third lowest pipe entering this junction.
lineIn3Dia (Real)	The diameter of the third lowest pipe that enters this junction.
lineIn3InvElv (Real)	The elevation of the bottom of the third lowest pipe (i.e., pipe invert) in feet (English units) above some datum.
lineIn3NoPipes (Integer)	The number of the pipes entering the subject item at the corresponding location.
lineIn4Mtrl (CodePipeMaterial)	The material composition of the fourth lowest pipe entering this junction.
lineIn4Dia (Real)	The diameter of the fourth lowest pipe that enters this junction.
lineIn4InvElv (Real)	The elevation of the bottom of the fourth lowest pipe (i.e., pipe invert) in feet (English units) above some datum.
lineIn4NoPipes (Integer)	The number of the pipes entering the subject item at the corresponding location.
lineOutMtrl (CodePipeMaterial)	The material composition of the fourth lowest pipe entering this junction.
lineOutDia (Real)	The diameter of the fourth lowest pipe that enters this junction.
lineOutInvElv (Real)	The elevation of the bottom of the fourth lowest pipe (i.e., pipe invert) in feet (English



	units) above some datum.
lineOutNoPipes (Integer)	The number of the pipes exiting the subject item.
enabled (CodeBoolean)	.
inspectionPhase (String16)	.
invertFeet (Real)	.
mhDia (Integer)	.
size (Integer)	.
pipe4shape (String254)	.
pipe2heigh (Real)	.
pipe2shape (String254)	.
pipe2width (Real)	.
pipe3heigh (Real)	.
pipe3shape (String254)	.
pipe4heigh (Real)	.
ofsType (String254)	.
pipe4width (Real)	.
sri (String20)	.
structure (String254)	.
time (String254)	.
type (String50)	.
pipe3width (Real)	.
pipe1width (Real)	.
pipe1heigh (Real)	.
number_ (Real)	.
lonStart (Real)	.
latStart (Real)	.
inletType (String254)	.
flow (String254)	.
errosionProtection (String254)	.
errosion (String254)	.
isDuplicate (CodeBoolean)	.
cover (String254)	.
condition (String254)	.



milepostStart (Integer)	.
pipe1shape (String254)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

lineIn1Id (String30)	The identifier assigned to the lowest pipe that enters this junction.
lineIn2Id (String30)	The identifier assigned to the second lowest pipe that enters this junction.
lineIn3Id (String30)	The identifier assigned to the third lowest pipe that enters this junction.
lineIn4Id (String30)	The identifier assigned to the fourth lowest pipe that enters this junction.
lineOutId (String30)	The identifier assigned to the fourth lowest pipe that enters this junction.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:



guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Lift Station

(Database=StormLiftStation)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Line

(Database=StormLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40)^{~2}

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]..

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String12)

The Model, Product, Catalog, or Item Number of subject item.

Attributes:

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 (Real)

The manufacturers or industry standards maximum pressure rating of the subject item.

pipeLength (Real)

The length of pipe, measured from node to node along the pipe centerline.

pipeWidth (Real)

The width dimension of the subject item, measured from opposite inside faces.

noPipes (Integer)

The number of the pipes entering and exiting the subject item.

lined ([CodeBoolean](#))

An indicator as to whether the pipe is lined or not (yes/no).

invElvEnd1 (Real)

The elevation of the bottom of pipe (i.e., pipe invert) at End 1.

invElvEnd2 (Real)

The elevation of the bottom of pipe (i.e., pipe invert) at End 2.

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 (Real)

The slope of the bottom of the subject item expressed as a percentage.



featureUse (String16)	Discriminator. The use code for storm sewer line.
pressNorm (Real)	The normal operating pressure of the storm system pipe.
coverDepth (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground storm water line pipe[Air Force]..
fromCoordX (Real)	The from, or downstream, coordinate of the pipe in the east-west plane in as measured by GPS equipment.
fromCoordY (Real)	The from, or downstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
fromCoordZ (Real)	The from, or downstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
toCoordX (Real)	The to, or upstream, coordinate of the pipe in the east-west plane in as measured by GPS equipment.
toCoordY (Real)	The to or upstream, coordinate of the pipe in the north-south plane in as measured by GPS equipment.
toCoordZ (Real)	The to, or upstream, coordinate of the pipe in the vertical plane in as measured by GPS equipment.
typeDwnStrmStruct (String26)	The type of the downstream structure, if any.
typeUpStrmStruct (String26)	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)	.
inspectionPhase (String16)	.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
lastUpdate (Date)	.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

IdUpStrmFeat (String14)	The identifying tag of the downstream feature associated with the pipe, if any.
IdDwnStrmFeat (String14)	The identifying tag of the upstream structure associated with the pipe, if any.
IdUpStrmStruct (String14)	The identifying tag of the upstream structure associated with the pipe, if any.
IdDwnStrmStruct (String14)	The identifying tag of the downstream structure associated with the pipe, if any.
impedance (Real)	The number representing the total opposition to flow.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=StormMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
material (String16)	.



size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].
<u>Networking:</u>	
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
<u>System Keys:</u>	
guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Oil Water Separator

(Database=StormOilWaterSeparator)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret



A device or structure placed in the storm sewer stream to separate water from oil products. [SDSFIE USMC].

Names and Identifiers:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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).
disposal (String30)	Brief description of how the waste is disposed.
dateAcquired (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].
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no).
flowCapacity (Real)	The flow capacity of the subject item.
oilCapacity (Real)	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 (Real)	The optimum operating temperature for the subject item.
sepContnt (String20)	Separator contents.
separationProcess (String30)	The specific type of separation process.
sepVolume (Real)	The volume of the oil-water separator.
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
enabled (CodeBoolean)	.
inspectionPhase (String16)	.
invertElv (Real)	.
invertFeet (Real)	.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:



lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pump

(Database=StormPump)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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name (String40)	The common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.

Attributes:

outflowAct (Real)	The actual measured pump flow output.
coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
dateAcquired (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 (Real)	The manufacturers 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 (Real)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pumpHp (Real)	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.
enabled (CodeBoolean)	.
inspectionPhase (String16)	.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Retention Pond

(Database=StormRetentionPond)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.



dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Roof Drain

(Database=StormRoofDrain)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Slope Drain Inlet

(Database=StormSlopeDrainInlet)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.



dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Slope Drain Outlet

(Database=StormSlopeDrainOutlet)

Geometry Type: Point

Accuracy: +/-5

Sensitivity: Confidential

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Valve

(Database=StormValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a storm sewer line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	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 common name used to refer to the feature.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
type (String100)	The type of valve.

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).
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 (Real)	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.
valveStyle (CodeStyleValve)	The particular kind, class, or group of valve (e.g., gate, check, etc.).



coverDepth (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground storm water line valve[Air Force]..
valveSt (CodeStyleValve)	.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Data Set: Utilities_Wastewater

Discharge Point

(Database=WastewaterDischargePoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Any location where wastewater pipes directly discharge effluent. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

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).
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].
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.



<code>dataStartDate (Date)</code> ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
<code>dataEndDate (Date)</code> ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
<code>editorName (String50)</code> ^{~2}	The name of the individual who last edited this record.
<code>dateLastUpdate (Date)</code> ^{~2}	The date upon which any data associated with this record was last updated.
<code>userFlag (String254)</code> ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

<code>junctionType (CodeJunctionType)</code>	An indicator as to whether the feature serves as a source, sink or neither in the network.
--	--

System Keys:

<code>guid (String40)</code> ^{~2}	A globally unique identifier applied to each feature in the database for reference.
<code>assetId (String30)</code> ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Flow Monitor

(Database=WastewaterFlowMonitor)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A device installed in a line for measuring the quality of wastewater through a section of line.

Names and Identifiers:

<code>id (String40)</code> ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
<code>alias (String60)</code> ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

<code>waterQualityLevel (String20)</code>	The quality level on the date last inspected.
<code>lastInspectedDate (Date)</code>	The date when the water quality was last checked.
<code>owner (String60)</code>	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
<code>description (String255)</code> ^{~1}	Text that provides additional information about the feature.

Metadata:

<code>status (CodeStatus)</code> ^{~1}	A temporal description of the operational status of the feature.
<code>Alternative (Integer)</code> ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
<code>projectNumber (String20)</code> ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Grease Trap

(Database=WastewaterGreaseTrap)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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).
dstbxIEI (Real)	The invert elevation of the inside bottom of the distribution box.



drnfSt (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.
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.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
manhole (CodeBoolean)	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
gtpWidth (Real)	The width dimension of the subject item, measured from opposite inside faces.
latDiTot (Real)	The total diameter of all drainage laterals.
latdimean (Real)	The average diameter of all drainage laterals.
laterISlp (Real)	The average slope of all drainage laterals.
laterITot (Real)	The total (sum) length of all drainage laterals.
laterImean (Real)	The mean or average length of the drainage laterals.
flowRate (Real)	The flow rate of the feature.
gtpCapacity (Real)	The grease traps storage capacity (e.g., gallons, ft3, etc).
gtpDepth (Real)	The depth below the ground surface or cover measured from the top of the subject item.
gtpLength (Real)	The overall length of the grease trap.
invElv1 (Real)	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 (Real)	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 (String40)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
trenchWid (Real)	The trench width excavated for the field drains.
soilPerc (Real)	The percolation rate of the soil in which the drain field lines are placed.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.



Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Inlet

(Database=WastewaterInlet)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location where waste water is collected and received into the utility system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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:

capacityDgn (Real)

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 (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 (Real)

The top surface elevation of the subject items interior floor/bottom in feet (English units) or meters (SI units) above some datum.

weirElevation (Real)

Elevation of the weir invert.

material (String16)

.

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)

.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

qualityLevel ([CodeSueQualityLevel](#))

The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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



Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=WastewaterJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

modelName (String12) The Model, Product, Catalog, or Item Number of subject item.

tributaryId (String14) 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.

featureUse (String16) An attribute that differentiates the use of the subject item.

type (String16) A field indicating the kind, class, or group of manhole for the subject utility.

owner (String60) A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..

invertElv (Real) The top surface elevation of the subject items 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.

dateAcquired (Date) Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915). Date on which the manhole or wastewater junction box was acquired, or installed[Cherry Point]..

noSteps (Integer) Number of manhole steps[Cherry Point]..



manholeSteps (String50)	.
illicit (CodeBoolean)	Indication whether or not (yes/no) illicit flow was detected in manhole or box[Cherry Point]..
highLevelAlarmFlag (CodeBoolean)	Indicator whether manhole has a high level alarm.
apronTroughMaterial (CodeManholeMaterial)	.
corbelWallsMaterial (CodeManholeMaterial)	.
mhDia (Real)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Real)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Real)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhRimElevation (Real)	The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
coverMaterial (CodeManholeCoverType)	.
linerType (CodeManholeLinerType)	The type of liner used if the pit/manhole is used for neutralizing chemicals.
effluentPipeDestination (String50)	.
effluentPipeDiameter (CodePipeDiameter)	.
effluentPipeInvert (Real)	.
effluentPipeMaterial (CodePipeMaterial)	.
influentPipe1Diameter (CodePipeDiameter)	.
influentPipe1Invert (Real)	.
influentPipe1Material (CodePipeMaterial)	.
influentPipe1Origin (String50)	.
influentPipe2Diameter (CodePipeDiameter)	.
influentPipe2Invert (Real)	.
influentPipe2Material (CodePipeMaterial)	.
influentPipe2Origin (String50)	.
influentPipe3Diameter (CodePipeDiameter)	.
influentPipe3Invert (Real)	.
influentPipe3Material (CodePipeMaterial)	.
influentPipe3Origin (String50)	.
influentPipe4Diameter (CodePipeDiameter)	.
influentPipe4Invert (Real)	.
influentPipe4Material (CodePipeMaterial)	.



influentPipe4Origin (String50)	.
influentPipe5Diameter (CodePipeDiameter)	.
influentPipe5Invert (Real)	.
influentPipe5Material (CodePipeMaterial)	.
influentPipe5Origin (String50)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
lastUpdate (Date)	.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

highLevelAlarmId (String40)	The identifier assigned to the fifth lowest pipe that enters this junction.
junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Line

(Database=WastewaterLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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:

area (Real)	The size of the area, zone, or polygon in square units.
type (CodeWastewaterLineType)	A field indicating the kind, class, or group 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).
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
pipeLength (Real)	The length of pipe, measured from node to node along the pipe centerline.
isLined (CodeBoolean)	An indicator as to whether the pipe is lined or not (yes/no).
pressMax (Real)	The manufacturers or industry standards maximum pressure rating of the subject item.
invElvEnd1 (Real)	The elevation of the bottom of pipe (i.e., pipe invert) at End 1.
invElvEnd2 (Real)	The elevation of the bottom of pipe (i.e., pipe invert) at End 2.
material (CodePipeMaterial)	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
slopeBot (Real)	The slope of the bottom of the subject item expressed as a percentage.
featureUse (String16)	Discriminator. The use code for wastewater lines.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
pressNorm (Real)	The normal operating pressure of the waste water system pipe.
size (Real)	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).
pipty (CodePipelineLocationType)	The location of the pipeline in relevance to the earths surface[USGS]..
coverDepth (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground wastewater line pipe[Air Force]..



directionality (CodeDirectionality)	.
drainageTexture (CodeDrainageDensity)	The texture of the material surrounding the pipe.
drainagePattern (CodeDrainagePattern)	The drainage pattern of the material surrounding the pipe.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

impedance (Real)	The number representing the total opposition to flow.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Manhole

(Database=WastewaterManhole)



Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A subsurface chamber, large enough for a person to enter, in the route of and providing access to one or more pipe runs.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

description (String255) ^{~1}	Text that provides additional information about the feature.
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Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=WastewaterMarker)



Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user



defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Meter

(Database=WastewaterMeter)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

modelName (String12) The Model, Product, Catalog, or Item Number of subject item.

serialNumber (String15) The manufacturers serial, or unique identification number of the subject item.

Attributes:

design (String16) Discriminator, The design of the water meter.

installType ([CodePumpSta](#)) The type installation of the subject item.

meterElev (Real) The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.

dateAcquired (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].

meterDepth (Real) The depth below the ground surface or cover measured from the top of the subject item.

meterLength (Real) The overall length of the meter.

meterWidth (Real) 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).



material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Oil Water Separator

(Database=WastewaterOilWaterSeparator)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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).
oilCapacity (Real)	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]..
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
grtchbr (CodeBoolean)	An indicator as to whether or not the subject item has a grit chamber. (yes or no).
flowCapacity (Real)	The flow capacity of the subject item.
separatorCode (String2)	The oil-water separator code. Usually defined as OW.
tempOptim (Real)	The optimum operating temperature for the subject item.
sepContnt (String20)	Separator contents.
separationProcess (String30)	The specific type of separation process.
sepVolume (Real)	The volume of the oil-water separator.
type (String16)	A field indicating the kind, class, or group of the subject item.
area (Real)	The size of the area, zone, or polygon in square units.
perimeter (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
size (Real)	The manufacturers designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 6 inches)[Cherry Point]..
invElv1 (Real)	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 (Real)	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]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.



Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pump

(Database=WastewaterPump)

Geometry Type: Point

Accuracy: +/-1

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:



id (String40) ^{~2}	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]..
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.
modelName (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:

outflwAct (Real)	The actual measured pump flow output.
outflwRat (Real)	The manufacturers 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.
dateAcquired (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]..
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 (Real)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
pumpHp (Real)	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 (Real)	River mile marker[REEGIS]..
noPumps (Integer)	The number of pumps located at the station[REEGIS]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Septic Tank

(Database=WastewaterSepticTank)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
tributaryId (String20)	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

area (Real)	The size of the area, zone, or polygon in square units.
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dstbx (CodeBoolean)	Indicates whether or not a distribution box exists for the subject item. (yes or no).
dstbxIEI (Real)	The invert elevation of the inside bottom of the distribution box.
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.
drnfSt (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.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
manhole (CodeBoolean)	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
laterISlp (Real)	The average slope of all drainage laterals.
laterITot (Real)	The total (sum) length of all drainage laterals.
laterImean (Real)	The mean or average length of the drainage laterals.
flowRate (Real)	The rate of flow through the device or pipe.
invElv1 (Real)	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 (Real)	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 (Real)	The trench width excavated for the field drains.
tankLength (Real)	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 (String40)	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
tankWidth (Real)	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 (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
soilPerc (Real)	The percolation rate of the soil in which the drain field lines are placed.
tankCapacity (Real)	The tanks storage capacity (e.g., gallons, ft3, etc).
tankDepth (Real)	The depth below the ground surface or cover measured from the top of the subject item.
color (CodeColor)	.



lightCode (String1)	.
lightingType (CodeLightingConfigurationType)	.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking.
topElevation (Real)	.
verticalStructureMaterial (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.



Treatment Plant

(Database=WastewaterTreatmentPlant)

Geometry Type: Polygon

Accuracy: +/-1

Sensitivity: Secret

A structure containing equipment used to treat and remove unwanted constituents from wastewater. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Treatment Unit

(Database=WastewaterTreatmentUnit)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

area (Real)	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).
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.
dateAcquired (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].
flowRated (Real)	The plant manufacturers 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 (Real)	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 (Real)	The distance around the boundary of the area, zone, or subject item in linear units.



plantElv (Real)	The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
plantLength (Real)	The overall length dimension of the treatment plant.
plantwidth (Real)	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 (Real)	Capacity rate of the plant[HSIP]..
capacityRate (Real)	Maximum waste water treatment capacity[HSIP]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..



Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Valve

(Database=WastewaterValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a wastewater line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2} A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).

alias (String60)^{~2} An alternative or former name by which the feature is referred.

tributaryId (String20) An operator generated identifier used locally to identify a tributary subsystem of the main utility system.

Attributes:

type (String100) The type of feature.

dateAcquired (Date) The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

valveElv (Real) 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 (Real) The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground wastewater line valve[Air Force].

material (String16) .

description (String255)^{~1} Text that provides additional information about the feature.

Metadata:

lastUpdate (Date) .



status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Data Set: Utilities_Water

Fire Connection Point

(Database=WaterFireConnectionPoint)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A location where fire fighters can connect a water supply line into a sprinkler system

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
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alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
emerRespsectId (String14)	An identifier that is uniquely assigned to this feature for identification purposes.
modelName (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 (Real)	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.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
inletDiameter (Real)	The diameter of the hydrant inlet connection.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
conType (CodeFireConnection)	Discriminator. This value differentiates fire connections by use or type.
measType (CodeDiameterMeasureType)	This attribute provides information concerning the basis for the subject items inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
outcon1dia (Real)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon2dia (Real)	The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
outcon3dia (Real)	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).
testDate (Date)	The date on which the flow test was conducted.
pressMax (Real)	The manufacturers or industry standards maximum pressure rating of the subject item.
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
hydrantElvevation (Real)	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).
source (String16)	The point of origin of a water systems water supply.
pressResd (Real)	The measured pressure at a hydrant or connection during a flow test conducted at the



pressStat (Real)	subject hydrant or connection. 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]..
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
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assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Fixture

(Database=WaterFixture)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Restricted

A device installed to deliver water for human use.

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

description (String255)^{~1}

Text that provides additional information about the feature.

Metadata:

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.

dataStatus ([CodeDataStatus](#))^{~2}

The development stage in which the data is in.

dateDataAcquired (Date)^{~2}

The date the data in this record was first captured.

dataStartDate (Date)^{~2}

The first date on which the data represented by this feature reflects a current, real world condition.

dataEndDate (Date)^{~2}

The last date on which the data represented by this feature reflects a current, real world condition.

editorName (String50)^{~2}

The name of the individual who last edited this record.

dateLastUpdate (Date)^{~2}

The date upon which any data associated with this record was last updated.

userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset



management system.

Flow Monitor

(Database=WaterFlowMonitor)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A device installed in a line for measuring the quality of water through a section of line.

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

waterQualityLevel (String20)	The quality level on the date last inspected.
lastInspectedDate (Date)	The date when the water quality was last checked.
owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
metadata (Integer)	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Hydrant

(Database=WaterHydrant)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

An apparatus which dispenses fluids. [SDSFIE IENC].

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

emerRespsectId (String14)

An identifier that is uniquely assigned to this feature for identification purposes.

modelName (String12)

The Model, Product, Catalog, or Item Number of subject item.

Attributes:

fireFlow (Real)

The code or regulation required fire flow rate from a fire hydrant or fire flow connection.

measType ([CodeDiameterMeasureType](#))

This attribute provides information concerning the basis for the subject items 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.

location (String255)

A textual description of the location of this feature.

owner (String60)

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

hydrantElevation (Real)

The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.

inletDiameter (Real)

The diameter of the hydrant inlet connection.

dateAcquired (Date)

The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

outcon1dia (Real)

The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.

outcon2dia (Real)

The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.



outcon3dia (Real)	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).
testDate (Date)	The date on which the flow test was conducted.
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressMax (Real)	The manufacturers or industry standards 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).
source (String16)	The point of origin of a water systems water supply.
pressResd (Real)	The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
pressStat (Real)	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.
mapGrid (String5)	Number of grid on map on which item is shown on.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

Networking:

junctionType ([CodeJunctionType](#))

An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Intake

(Database=WaterIntake)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

The location where water is allowed into the water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

Attributes:

owner (String60)

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

material (String16)

.

size (Integer)

.

description (String255)^{~1}

Text that provides additional information about the feature.

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).

lastUpdate (Date)

.

status ([CodeStatus](#))^{~1}

A temporal description of the operational status of the feature.

Alternative (Integer)^{~1}

Discriminator used to tie features of a plan or proposal together into a version.

projectNumber (String20)^{~2}

A unique number associated with the project or work activity that installed or first recorded the location of this feature.

accuracy ([CodeSpatialAccuracy](#))^{~2}

An indicator of the spatial accuracy of the geometry used to depict this feature.

dataSource ([CodeDataSource](#))^{~2~3}

The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Junction

(Database=WaterJunction)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
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.
groundElevation (Real)	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 (Real)	The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
mhLength (Real)	The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
mhWidth (Real)	The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
invertElv (Real)	The top surface elevation of the subject items 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 (Real)	The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

Networking:

junctionType ([CodeJunctionType](#))

An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Line

(Database=WaterLine)

Geometry Type: Line

Accuracy: +/-5

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:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String12)

The Model, Product, Catalog, or Item Number of subject item.

Attributes:

catProt ([CodeBoolean](#))

Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).

dateAcquired (Date)

The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

pipeLength (Real)

The length of pipe, measured from node to node along the pipe centerline.

pressMax (Real)

The manufacturers or industry standards 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 (Real)

The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.

groundElevation2 (Real)

The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.

invElv1 (Real)

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 (Real)

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 (Real)	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 its location with a magnetometer? (yes or no).
featureUse (String16)	Discriminator. The use code for water pipes.
pressNorm (Real)	The normal operating pressure of the water system pipe.
source (String16)	The source type for the origin of a water systems water supply.
piplty (CodePipelineLocationType)	The location of the pipeline in relevance to the earths surface[USGS]..
coverDepth (Real)	The depth of cover. The depth measured from top of grounds surface (or grade) to top of underground waterline pipe[Air Force]..
dateInstalled (Date)	The date on which the feature was originally installed.
lineType (String16)	.
directionality (CodeDirectionality)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
Metadata:	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.



userFlag (String254)^{~1}

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

Networking:

impedance (Real)

The number representing the total opposition to flow.

System Keys:

guid (String40)^{~2}

A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2}

A unique identifier associated with this feature for the purpose of linking to an asset management system.

Marker

(Database=WaterMarker)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40)^{~2}

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

alias (String60)^{~2}

An alternative or former name by which the feature is referred.

modelNumber (String12)

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).

poleMat (String16)

The material composition of the pole.

poleDepth (Real)

The depth the pole is buried in the foundation (usually the ground surface).

poleHeight (Real)

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 (Real)

The height dimension of the sign.

signMaterial (String16)

The material composition of the sign.

signText (String30)

The text on the sign.

signWidth (Real)

The width dimension of the sign.

soilCnd ([CodeSoilConsistency](#))

The soil condition indicating the soils 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.



material (String16)	.
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.
<u>Metadata:</u>	
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Meter

(Database=WaterMeter)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (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 manufacturers serial, or unique identification number of the subject item.

Attributes:

installType (CodePumpSta)	The type installation of the subject item.
meterElv (Real)	The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
groundElevation (Real)	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.
facilitiesServed (String255)	A list of facilities served by this utility.
source (String16)	The point of origin of a water systems water supply.
srvcMtr (CodeBoolean)	An indicator as to whether or not the meter is installed on a service line? (yes or no).
material (String16)	.
accountNumber (String50)	.
latitude (String25)	.
longitude (String25)	.
streetAddress (String255)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.



accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Pump

(Database=WaterPump)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.

Attributes:

coolMethod (CodeEquipmentCooling)	The method by which the pump is cooled.
capacityAct (Real)	The measured capacity of the pump operating under actual normal head and flow conditions.



capacityRate (Real)	The manufacturers 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]..
dateAcquired (Date)	The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pwrGen (Real)	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 (Real)	The total dynamic head upon which the capacity_rated is based.
featureUse (String16)	The particular application, or use the subject item.
pumpElevation (Real)	The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.



dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE]..

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
---	--

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Reservoir

(Database=WaterReservoirArea)

Geometry Type: Polygon

Accuracy: +/-5

Sensitivity: Confidential

A body of water which supplies water to a water distribution system. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40) ^{~2}	A unique identifier used by people to refer to this feature (note, this is not a system primary or foreign key value).
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE]..
size (Integer)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

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).
lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.



dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Sprinkler

(Database=WaterSprinklerHead)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

Device that disburses water or other fire retardant.

Names and Identifiers:

id (String40) ^{~2}	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.
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
buildingNumber (String16)	An alphanumeric string of characters that indicate the unique number of the building.
buildingName (String60)	The name of the building associated with this feature.

Attributes:

owner (String60)	A person, organization, or agency with legal control or management responsibility of the utility asset[Adopted from SDSFIE].
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.



projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
qualityLevel (CodeSueQualityLevel)	The subsurface utility engineering quality level assigned to utilities features as defined in ASCE38-02.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Tank

(Database=WaterTank)

Geometry Type: Point

Accuracy: +/-1

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:

id (String40) ^{~2}	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].
alias (String60) ^{~2}	An alternative or former name by which the feature is referred.
modelName (String12)	The Model, Product, Catalog, or Item Number of subject item.
serialNumber (String15)	The manufacturers serial, or unique identification number of the subject item.

Attributes:



alarmLevel (Real)	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 (Real)	The size of the area, zone, or polygon in square units.
level1On (Real)	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 (Real)	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 (Real)	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 (Real)	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 (Real)	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 (Real)	The normal operating head for 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).
groundElevation (Real)	The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
pressAlrm (Real)	The preset pressure setting of a tank which activates a low tank pressure alarm.
pressHigh (Real)	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 (Real)	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 (Real)	The elevation of exterior top surface of the subject items lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
tankLength (Real)	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 (String40)	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 (Real)	The tanks storage capacity (e.g., gallons, ft3, etc).



tankWidth (Real)	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 (Real)	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 (Real)	The distance around the boundary of the area, zone, or subject item in linear units.
pressNorm (Real)	The manufacturers (as rated by American Society of Mechanical Engineers (ASME) testing procedures) maximum pressure rating of the water tank.
tankDiameter (Real)	The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
color (CodeColor)	.
lightCode (String1)	.
lightingType (CodeLightingConfigurationType)	.
markingFeatureType (CodeMarkingFeatureType)	The type of the marking.
verticalStructureMaterial (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].



Networking:

junctionType ([CodeJunctionType](#)) An indicator as to whether the feature serves as a source, sink or neither in the network.

System Keys:

guid (String40)^{~2} A globally unique identifier applied to each feature in the database for reference.

assetId (String30)^{~2} A unique identifier associated with this feature for the purpose of linking to an asset management system.

Valve

(Database=WaterValve)

Geometry Type: Point

Accuracy: +/-1

Sensitivity: Secret

A fitting or device used for shutting or throttling flow through a water line. [SDSFIE FGDC Utilities Classification].

Names and Identifiers:

id (String40)^{~2} 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.

alias (String60)^{~2} An alternative or former name by which the feature is referred.

Attributes:

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.

dateAcquired (Date) The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).

groundElevation (Real) 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 (Real) 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 manufacturers nominal size designation.

valveSt ([CodeStyleValve](#)) The particular kind, class, or group of valve (e.g., gate, check, etc.).

coverDepth (Real) The depth of cover. The depth measured from top of ground surface (or grade) to top of underground waterline valve[Air Force].

structID (String25) From MES, main identification feature.

mapGrid (String5) Number of grid on map on which item is shown on.

location (String255) .



valveDesc (CodeValveType)	.
valveUse (String25)	.
material (String16)	.
description (String255) ^{~1}	Text that provides additional information about the feature.

Metadata:

lastUpdate (Date)	.
status (CodeStatus) ^{~1}	A temporal description of the operational status of the feature.
Alternative (Integer) ^{~1}	Discriminator used to tie features of a plan or proposal together into a version.
projectNumber (String20) ^{~2}	A unique number associated with the project or work activity that installed or first recorded the location of this feature.
accuracy (CodeSpatialAccuracy) ^{~2}	An indicator of the spatial accuracy of the geometry used to depict this feature.
dataSource (CodeDataSource) ^{~2~3}	The source of the data in this record.
dataStatus (CodeDataStatus) ^{~2}	The development stage in which the data is in.
dateDataAcquired (Date) ^{~2}	The date the data in this record was first captured.
dataStartDate (Date) ^{~2}	The first date on which the data represented by this feature reflects a current, real world condition.
dataEndDate (Date) ^{~2}	The last date on which the data represented by this feature reflects a current, real world condition.
editorName (String50) ^{~2}	The name of the individual who last edited this record.
dateLastUpdate (Date) ^{~2}	The date upon which any data associated with this record was last updated.
userFlag (String254) ^{~1}	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not affect the subject items data integrity and should not be used to store the subject items data[SDSFIE].

Networking:

junctionType (CodeJunctionType)	An indicator as to whether the feature serves as a source, sink or neither in the network.
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System Keys:

guid (String40) ^{~2}	A globally unique identifier applied to each feature in the database for reference.
assetId (String30) ^{~2}	A unique identifier associated with this feature for the purpose of linking to an asset management system.

Appendix B - Domain Values

This appendix lists the acceptable domain values for each of the attributes bound by list domains in Appendix A. 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.

AIIMLocationType

Used by Attributes:

Value	Definition (Notes) [Source]
Indoors	Indoors
Outdoors	Outdoors

AIIMNetworkRank

Used by Attributes:

Value	Definition (Notes) [Source]
primary	primary
secondary	secondary
tertiary	tertiary

AIIMNetworkType

Used by Attributes:

Value	Definition (Notes) [Source]
elevator - wheelchair lift	elevator - wheelchair lift



escalator	escalator
hallway - sidewalk	hallway - sidewalk
ramp - curb ramp	ramp - curb ramp
stairs - curb	stairs - curb

CodeAccessibilityType

Used by Attributes:

Value	Definition (Notes) [Source]
Normal	Normal
SIDA	SIDA
AMA	AMA
Other	Other
Unknown	Unknown

CodeAccess

Used by Attributes:

Value	Definition (Notes) [Source]
Public to SIDA	Public to SIDA
Public to Sterile	Public to Sterile
Sterile to SIDA	Sterile to SIDA
Public to Restricted	Public to Restricted
Restricted to Restricted	Restricted to Restricted
Sterile to Restricted	Sterile to Restricted
SIDA to Restricted	SIDA to Restricted
Restricted to SIDA	Restricted to SIDA
Public to Public	Public to Public
Ramp Call	Ramp Call



SIDA to Public

SIDA to Public

Sterile to Sterile

Sterile to Sterile

CodeAcquisitionType

Used by Attributes:

Value	Definition (Notes) [Source]
FEE_SIMPLE	Purchased real property; absolute ownership
EASEMENT	Rights given to use land in a specific manner
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]
AirTran Airways	AirTran Airways
American Airlines	American Airlines
Continental Airlines	Continental Airlines
Delta Air Lines	Delta Air Lines
Frontier Airlines	Frontier Airlines
Midwest Airlines	Midwest Airlines
Northwest Airlines	Northwest Airlines
Spirit Airlines	Spirit Airlines
United Airlines	United Airlines
US Airways	US Airways
American Connection - Chautauqua Airlines	American Connection - Chautauqua Airlines
American Connection - Trans States Airlines	American Connection - Trans States Airlines
American Connection - American Eagle	American Connection - American Eagle
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
United Express - Mesa	United Express - Mesa
United Express - Shuttle America	United Express - Shuttle America
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
Omni Air International	Omni Air International
Ryan International	Ryan International
World Airways	World Airways
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
Air Canada	Air Canada
Air Canada Jazz	Air Canada Jazz
Air France	Air France
British Airways	British Airways
KLM Royal Dutch Airlines	KLM Royal Dutch Airlines
Korean Air	Korean Air
Lufthansa German Airlines	Lufthansa German Airlines
Multiple	Multiple
Other	Other
Unknown	Unknown

CodeAirportFacilityType

Used by Attributes:



Value	Definition (Notes) [Source]
Airport only	Airport only
Airport with helicopter landing area	Airport with helicopter landing area
Gliderport	Gliderport
Heliport only	Heliport only
Ultralight Flightpark	Ultralight Flightpark
H	H
LS	LS

CodeAlarmDeviceType

Used by Attributes: [Alarm - Type](#)

Value	Definition (Notes) [Source]
Fire Pull Station	Fire Pull Station
Duress Button	Duress Button
Smoke Detector	Smoke Detector
Door Alarm	Door Alarm
Infrared Beam	Infrared Beam
Other	Other
Deluge System - Water Curtain Firewall	Deluge System - Water Curtain Firewall

CodeAnnoType

Used by Attributes: [Annotation Line - Annotation Type](#); [Annotation Polygon - Annotation Type](#)

Value	Definition (Notes) [Source]
SignFace	Sign Face
LeaderLine	Leader Line



Dimension

Dimension

Other

Other

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 earths surface. [SDSFIE V2.5 Air Force]
OTHER	Other
TBD	To be Determined
UNKNOWN	Unknown
VERTICAL	Installed with the plane of polarization perpendicular to the earths 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]



CodeApproachCategory

Used by Attributes:

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:

Value	Definition (Notes) [Source]
NON_VERTICAL	Runway is used for or planned use is for Non-Vertically Guided operations. Non-precision approach runway
ILS_PRECISION_CAT_I	Runway is used or or planned use is for Precision Category 1 operations
ILS_PRECISION_CAT_II	Runway is used for or planned use is for Precision Category II operations
ILS_PRECISION_CAT_IIIA	Runway is used for or planned use is for Precision Category IIIa operations.
ILS_PRECISION_CAT_IIIB	Runway is used for or planned use is for Precision Category IIIb operations
ILS_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
OTHER	Runway is used for other types of approach guidance not listed above
ILS_PRECISION_CAT_IIID	Runway is used for or planned use is for Precision Category III D operations
VISUAL	Runway is used for or planned use is visual operations only
PRECISION_CAT_I	PRECISION_CAT_I
PRECISION_CAT_II	PRECISION_CAT_II
PRECISION_CAT_IIIA	PRECISION_CAT_IIIA
PRECISION_CAT_IIIB	PRECISION_CAT_IIIB
PRECISION_CAT_IIIC	PRECISION_CAT_IIIC



CodeApronType

Used by Attributes:

Value	Definition (Notes) [Source]
CARGO	Cargo loading area used for the loading and 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	The default type
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

CodeArrestingGearMaterial

Used by Attributes:

Value	Definition (Notes) [Source]
EMAS	Engineering material arresting system
OTHER	OTHER



CodeBilKv

Used by Attributes:

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]

CodeBoolean

Used by Attributes: [Junction - Airrf Valve](#); [Junction - Airrf Valve](#); [Vault - airrfValve](#); [Door - Alarmed](#); [Tank - Alt Valve](#); [Tank - Alt Valve](#); [Access Point - Antenna Location](#); [Generator - Automatic Transfer Switch Code](#); [Line - Cat Prot](#); [Line - Cat Prot](#); [Surveillance Camera - color](#); [Surveillance Camera - Color Camera](#); [Wall - Combustible](#); [Passenger Gate - Common Use](#); [Wall - Compartmentation](#); [Ductbank - Conc Enc](#); [Space - ConcealedCeiling](#); [Space - ConcealedFlooring](#); [Equipment - Crypto](#); [Video Site - Crypto](#); [Generator - Day Tank](#); [Guard Rails - Delineators Present](#); [Grease Trap - Dist Box Id](#); [Aircraft Gate Stand Area - Docking Availability](#); [Discharge Point - Enabled](#); [Drainage Divide Line - Enabled](#); [Inlet - Enabled](#); [Junction - Enabled](#); [Line - Enabled](#); [Oil Water Separator - Enabled](#); [Pump - Enabled](#); [Stair - Esc Route](#); [Pedestrian Centerline - Evacuation Route](#); [Sidewalk Centerline - Evacuation Route](#); [Line - Exp Loop](#); [Wall - ExtendToStructure](#); [Wall - Fire](#); [Door - Fire Rated](#); [Stair - FireExit](#); [Flight Procedure - Flight Checked](#); [Inlet - Garage Inlet](#); [Aircraft Gate Stand Area - Ground Power Availability](#); [Oil Water Separator - Grtchbr](#); [Oil Water Separator - Grtchbr](#); [Space - Handicap Accessible](#); [Stair - HandicapAccessible](#); [Parking Space - Handicapped](#); [Stair - HasNonSkidSurface](#); [Light - HasProtectiveEarth](#); [Transformr Bank - HasProtectiveEarth](#); [Junction - High Level Alarm Flag](#); [Access Point - Ids](#); [Junction - Illicit](#); [Equipment - Int Vid](#); [Inlet - Is Duplicate](#); [Junction - Is Duplicate](#); [Line - Is Lined](#); [Flight Procedure - Is RNAV](#); [Stair - IsExternal](#); [Wall - IsExternal](#); [Window - IsExternal](#); [Aircraft Gate Stand Area - Jetway Availability](#); [Line - Lined](#); [Line - Lined](#); [Wall - LoadBearing](#); [Cable - Loosbuf](#); [Grease Trap - Manhole](#); [Drainage Basin - Manmade](#); [Speaker - Multp 2 5](#); [Speaker - Multp 7 0](#); [Equipment - Ncc](#); [Marker - Passve](#); [Transformr Bank - PCB Code](#); [Manhole - Plugs](#); [Pump - Prim Rqd](#); [Pump - Prim Rqd](#); [Pump - Prim Rqd](#); [Pump - Prim Rqd](#); [Space - Publicly Accessible](#); [Elevator - Secure](#); [Light - Sensor](#); [Meter - Service Meter](#); [Meter - Service Meter](#); [Window - SmokeStop](#); [Generator - Sound](#); [Manhole - Spl Rck](#); [Wall - Structural](#); [Line - Tape](#); [Line - Tape](#); [Aircraft Gate Stand Area - Towing Availability](#); [Fire Connection Point - Verify](#); [Speaker - Weather](#)

Value	Definition (Notes) [Source]
N	No
Y	Yes
1	Yes



0

No

CodeBooleanNumeric

Used by Attributes:

Value	Definition (Notes) [Source]
False	False
True	True

CodeBridgeType

Used by Attributes:

Value	Definition (Notes) [Source]
ROAD	Road or highway bridge
RR	Railroad or monorail bridge
RWY	Runway bridge
TWY	Taxiway bridge
PED	Pedestrian bridge

CodeBuoyType

Used by Attributes:

Value	Definition (Notes) [Source]
BLACK_RED_FL2	Danger - Black and red alternating horizontal stripes indicates position of isolated danger [AIXM 5.1]
GREEN	Lateral buoy - Marks port side of the channel when sailing toward the sea [AIXM 5.1]
GREEN_RED_GFL	Lateral buoy - Preferred channel is to port when a red horizontal stripe is sandwiched



	between two green horizontal stripes [AIXM 5.1]
Q3_VQ3	Cardinal buoy - Yellow stripe sandwiched between two black stripes and-or two triangles, apex on one pointing up and apex of other pointing down indicates safe water is to the east [AIXM 5.1]
Q6_VQ6	Cardinal buoy - Yellow stripe is atop a black stripe and-or two triangles, apex of both pointing down indicates safe water is to the south [AIXM 5.1]
Q9_VQ9	Cardinal buoy - Black stripe sandwiched between two yellow stripes and-or two triangles apex of both point toward each other indicates safe water is to the west [AIXM 5.1]
Q_VQ	Cardinal buoy - Black stripe atop a yellow stripe and-or two triangles apex of both point up indicates safe water is to the north [AIXM 5.1]
RED	Lateral buoy - Marks port side of the channel when returning from the sea [AIXM 5.1]
RED_GREEN_RFL	Lateral buoy - Preferred channel to starboard when a green horizontal stripes is sandwiched between two red horizontal stripes [AIXM 5.1]
RED_WHITE	Safe water buoy - Alternating red and white vertical stripes indicates safe water [AIXM 5.1]
WHITE	No color is stated on the chart [AIXM 5.1]
OTHER	Other
YELLOW	Special buoy - Area used by navies, pipelines, surfing [AIXM 5.1]

CodeCableConnectorType

Used by Attributes: [Antenna Site - Conn Type](#)

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]
HN_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](#); [Cable - Cond Size](#); [Cable - Neut Size](#); [Segmented Cable - 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](#); [Other Cable - 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]

CodeCableInstallationType

Used by Attributes: [Coaxial Line - Install Type](#); [Other Cable - 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: [Equipment - Cbl Type](#)

Value	Definition (Notes) [Source]
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]
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_PRKWAY	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]

CodeCableUse

Used by Attributes: [Coaxial Line - Cab Use](#); [Other Cable - 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:

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]

CodeCameraFilterType

Used by Attributes: [Surveillance Camera - Camera Filter](#)

Value	Definition (Notes) [Source]
CLEAR	clear filter [SDSFIE V1.4]
CYAN	cyan (blue-green) filter [SDSFIE V1.4]
ORANGE	orange filter [SDSFIE V1.4]
OTHER	other [SDSFIE V1.4]
RED	red filter [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]
YELLOW	yellow filter [SDSFIE V1.4]

CodeCameraPtzType

Used by Attributes: [Surveillance Camera - PTZ Type](#)

Value	Definition (Notes) [Source]
FIXED_FIXED	Fixed position, Fixed lens. [SDSFIE V2.5 AIR FORCE]
FIXED_ZOOM	Fixed position, Zoom lens. [SDSFIE V2.5 AIR FORCE]
PT_FIXED	Pan and Tilt capabilities with a Fixed lens. [SDSFIE V2.5 AIR FORCE]
PT_ZOOM	Pan and Tilt capabilities with a Zoom lens. [SDSFIE V2.5 AIR FORCE]
OTHER	Other. [SDSFIE V2.5 AIR FORCE]
UNKNOWN	Unknown. [SDSFIE V2.5 AIR FORCE]
NA	Not applicable



CodeCameraType

Used by Attributes: [Surveillance Camera - Camera Type](#)

Value	Definition (Notes) [Source]
CCD	Charge Coupled Device [SDSFIE V2 Tinker Air Force Base]
CLOSED_CIRCUIT	closed circuit camera [SDSFIE V2]
INFRARED	Infrared. [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]

CodeCeilingMaterial

Used by Attributes: [Room - Ceiling Covering](#);[Space - Ceiling Covering](#)

Value	Definition (Notes) [Source]
Gypsum	Gypsum
Concrete	Concrete
Steel	Steel
Tile	Tile
Metal	Metal
Other	Other

CodeClassHelicopter

Used by Attributes:



Value	Definition (Notes) [Source]
1	Helicopter class 1
2	2
3	3
OTHER	OTHER

CodeColor

Used by Attributes: [Tank - Color](#); [Tank - Color](#); [Telephone - Color](#); [Annotation Line - End Symbol 1 Color](#); [Annotation Line - End Symbol 2 Color](#); [Landside Sign - Face Color](#); [Annotation Polygon - Fill Color](#); [Annotation Line - Line Color](#); [Annotation Polygon - Line Color](#)

Value	Definition (Notes) [Source]
AMBER	Amber
BLACK	Black
BLUE	Blue
BROWN	Brown
GREEN	Green
GREEN-GREEN	Bidirectional [AC 150-5345-46]
GREEN-RED	Bidirectional [AC 150-5345-46]
GREEN-YELLOW	Bidirectional [AC 150-5345-46]
GREY	Grey
LIGHT_GREY	Light Grey
MAGENTA	Magenta
ORANGE	Orange
OTHER	Other
PINK	Pink
PURPLE	Purple
RED	Red]
RED-GREEN	Bidirectional [AC 150-5345-46]
RED-RED	Bidirectional [AC 150-5345-46]
TBD	Bidirectional [AC 150-5345-46]



VIOLET	To be determined
WHITE	Violet
WHITE-RED	White
WHITE-WHITE	Bidirectional [AC 150-5345-46]
WHITE-YELLOW	Bidirectional [AC 150-5345-46]
YELLOW	Bidirectional [AC 150-5345-46]
YELLOW-GREEN	Yellow
YELLOW-RED	Bidirectional [AC 150-5345-46]
YELLOW-YELLOW	Bidirectional [AC 150-5345-46]
RED-WHITE	Bidirectional [AC 150-5345-46]
YELLOW-WHITE	Bidirectional [AC 150-5345-46]
LIGHTGREY	LIGHTGREY

CodeCommAntenna

Used by Attributes: [Access Point - Ant Type](#); [Antenna Site - Ant Type](#)

Value	Definition (Notes) [Source]
DIPOLE	Bidirectional [AC 150-5345-46]
FIELD	Bidirectional [AC 150-5345-46]
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]

CodeCommManholeType

Used by Attributes: [Manhole - Manhole Type](#)

Value	Definition (Notes) [Source]
1T1	1T2. [SDSFIE V2.5 AIR FORCE]
4T1	4T2. [SDSFIE V2.5 AIR FORCE]
5T1	5T2. [SDSFIE V2.5 AIR FORCE]
6T1	6T1. [SDSFIE V2.5 AIR FORCE]
6T2	6T2. [SDSFIE V2.5 AIR FORCE]
8T1	8T2. [SDSFIE V2.5 AIR FORCE]
A	A Type. [SDSFIE V2.5 AIR FORCE]
CEMH	controlled environment manhole [SDSFIE V2 Tinker Air Force Base]
HH_TYPE_A	Handhole Type A [SDSFIE V2.31 Tinker Air Force Base]
J3	J3 Manhole. [SDSFIE V2.5 AIR FORCE]
J4	J4 manhole [SDSFIE V2 Tinker Air Force Base]
JC9C	JC9C (2450mm x 1750mm x 1450mm) [SDSFIE V2 Tinker Air Force Base]
L	L Manhole. [SDSFIE V2.5 AIR FORCE]
OTHER	Other [SDSFIE V2 Tinker Air Force Base]
R2A	R2A manhole [SDSFIE V2 Tinker Air Force Base]
T	T Manhole. [SDSFIE V2.5 AIR FORCE]
TBD	To Be Determined [SDSFIE V2 Tinker Air Force Base]
UNKNOWN	Unknown [SDSFIE V2 Tinker Air Force Base]



CodeCompAirFitting

Used by Attributes:

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]

CodeCompassLocation

Used by Attributes:

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:

Value	Definition (Notes) [Source]
A	Aeronautical
M	Multiple
R	Recreational boating or fishing
S	Commercial shipping or fishing

CodeCoordinateZone

Used by Attributes:

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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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- Intl 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)

CodeCoreType

Used by Attributes:

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]

CodeCryptographyProtocol

Used by Attributes: [Access Point - Enc Prot](#)

Value	Definition (Notes) [Source]
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]
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]

CodeCulvertScreenType

Used by Attributes: [Line - Scrn Type](#)

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]

CodeDesignGroup

Used by Attributes:

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



OTHER

Other

CodeDesignStandardType

Used by Attributes:

Value	Definition (Notes) [Source]
PANS_OPS	ICAO PANS-OPS
TERPS	US TERPS (Terminal Procedure criteria)
CANADA_TERPS	Canadian variant of US TERPS
NATO	NATO
OTHER	Other

CodeDesignSurfaceType

Used by Attributes:

Value	Definition (Notes) [Source]
BRL	Building restriction line (not a standard)
FATO	Final Approach and Takeoff Clearance Surface
HSA	Heliport Safety Area
HPZ	Heliport Protection Zone
IOFZ	Inner Obstacle Free Zone
OFZ	Obstacle Free Zone
POFZ	Precision obstacle free zone [150-5300-13]
PRSIFR	Parallel Runway Separation Simultaneous IFR Operations
PRSVFR	Parallel Runway Separation Simultaneous VFR Operations
RESA	Runway end safety area [AIXM 5.1]
ROFA	Runway Object Free Area
ROFZ	Runway Obstacle Free Zone
RPZ	Runway protection zone [AC 150-5300-13]



RSA	Runway safety area
RWYPTX	Runway to Parallel Taxiway and Taxiline Separation
TOFA	Taxiway and taxilane object free area [AC 150-5300-13]
TSA	Threshold Sighting Area
TSS	Threshold Siting Surface [AC 150-5300-13]
OTHER	Other
TXSA	Taxiway safety area [AC 150-5300-13]
VGSI	Visual Glide Slope Indicator (VGSI) protection area. Protects VGSI signal coverage by forbidding objects in the area. [AIXM 5.1]
HAS	HAS
IAOFZ	IAOFZ
ITOFZ	ITOFZ

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]

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: [Cable - Directionality](#); [Cable - Directionality](#); [Coaxial Line - Directionality](#); [Drainage Divide Line - Directionality](#); [Ductbank - Directionality](#); [Ductbank - Directionality](#); [Ductbank - Directionality](#); [Headwall Line - Directionality](#); [Line - Directionality](#); [Line - Directionality](#); [Line - Directionality](#); [Line - Directionality](#); [Other Cable - Directionality](#); [Pedestrian Centerline - Directionality](#); [Segmented Cable - Directionality](#); [Sidewalk Centerline - 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 - Meter Display Type](#); [Marker - meterType](#); [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]

CodeDisturbance

Used by Attributes:



Value	Definition (Notes) [Source]
DESTROYED	destroyed [SDSFIE V1.4]
MAJORIMPACT	major impact (51-99%) disturbed [SDSFIE V1.4]
MINORIMPACT	minor impact (1-25%) disturbed [SDSFIE V1.4]
MODERIMPACT	moderate impact (26-50%) disturbed [SDSFIE V1.4]
NONE	none [SDSFIE V1.4]
TBD	to be determined [SDSFIE V1.4]
UNKNOWN	unknown [SDSFIE V1.4]

CodeDoorType

Used by Attributes: [Access Control Device - Door Type](#);[Security Access Control System Door - Door Type](#);[Door - Type](#)

Value	Definition (Notes) [Source]
Access	Access
Comm-Electrical	Comm-Electrical
Roll Up	Roll Up
Interior	Interior
Alarm Point	Alarm Point
Chop	Chop
Elevator	Elevator
Jetway	Jetway
Turnstile	Turnstile
Emergency Exit	Emergency Exit
Baggage Handling System	Baggage Handling System
Roof Access	Roof Access

CodeDrainageDensity

Used by Attributes: [Grease Trap - Drainage Texture](#);[Line - Drainage Texture](#);[Line - Drainage Texture](#);[Line - Drainage 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: [Grease Trap - Drainage Pattern](#); [Line - Drainage Pattern](#); [Line - Drainage Pattern](#); [Line - Drainage Pattern](#)

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]
DENDRIDISTR	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: [Line - Drainage Zone](#)

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](#);[Manhole - 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]

CodeEasementType

Used by Attributes:

Value	Definition (Notes) [Source]
A	Site Distance
AV	Avigation
B	Building Restriction
C	Communications
D	Drainage
E	Electrical
G	Gas
I	Ingress-Egress
K	Sidewalk
L	Landscape
N	Drainage Pond Easement
O	Open Space
OTH	Other
P	Restrictive Planting



R	Sanitary Sewer
S	Scenic
T	Trail
U	NOVA Conservation Trust
UNK	Unknown
V	Conservation
W	Water

CodeEcmDevice

Used by Attributes:

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:

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](#); [Other Cable - Cbl Material](#); [Sensor - Cbl Type](#); [Cable - Install Type](#); [Segmented Cable - Material](#)

Value	Definition (Notes) [Source]
PRIMARY_OH	primary overhead
PRIMARY_UG	primary underground
ABANDONED	abandoned-inactive
SECONDARY_UG	secondary underground
SECONDARY_OH	secondary overhead
SERVICE_OH	service overhead
SERVICE_UG	service 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_UG_DIRECT_BURIAL	Underground secondary electrical cable installed direct burial (i.e., without conduit).
SECONDARY_UG_ENCASED	Underground secondary electrical cable installed in conduit.
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.
AIRFIELD_UG	Underground Airfield Cable.
SENSOR	Sensor Type Cable.
UNKNOWN	Unknown
OTHER	Other

CodeElectricCableUse

Used by Attributes:

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: [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: [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]
MAINDISTRFRAM	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: [Transformr Bank - Number 1 Capacity Value Code](#); [Transformr Bank - Number 2 Capacity Value Code](#)

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: [Surveillance Camera - Enclosure Type](#); [Surveillance Camera - enclType](#)

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]

CodeElectricPhase

Used by Attributes: [Transformr Bank - Phase Number Grp 1 Value Code](#); [Transformr Bank - Phase Number Grp 2 Value Code](#)

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](#); [Generator - Phase Leter](#); [Meter - Phase Leter](#)

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]

CodeElectricTranbnk

Used by Attributes: [Surveillance Camera - mount](#); [Transformr Bank - Mounting Type Discriminator](#)

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]

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]



CodeElementType

Used by Attributes:

Value	Definition (Notes) [Source]
DISPLACED	DISPLACED
INTERSECTION	INTERSECTION
NORMAL	NORMAL
SHOULDER	SHOULDER

CodeEnclosureMaterials

Used by Attributes: [Manhole - Manhole 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]



CodeEquipmentCooling

Used by Attributes: [Pump - Cool Method](#); [Pump - Cool Method](#); [Pump - Cool Method](#); [Pump - Cool Method](#); [Generator - Cool Type](#)

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](#); [Light - Use](#)

Value	Definition (Notes) [Source]
SECURITY	Security Light [SDSFIE V1.9 REEGIS]
STREET	Lights specifically designed to illuminate the street below. [SDSFIE V1.6]
WALKWAY	Normally a low mounted light designed to illuminate a walkway or beside a driveway. [SDSFIE V2.1 FGDC Utilities Classification]
SAFETY	Lights used for safety.
WORKSITE	Lights ysed to illuminate a work site.
OTHER	Other
UNKNOWN	Unknown

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]

CodeFlooringMaterial

Used by Attributes:

Value	Definition (Notes) [Source]
Carpet	Carpet
Concrete	Concrete



Glass	Glass
Marble	Marble
Terrazo	Terrazo
Tile	Tile
Wood	Wood
Other	Other

CodeFloorLevel

Used by Attributes: [Access Control Device - Floor Level](#); [Audio Device Coverage Area - Floor Level](#); [Automated External Defibrillator - Floor Level](#); [Baggage Carousel - Floor Level](#); [Baggage Conveyor - Floor Level](#); [Camera Coverage Area - Floor Level](#); [Column - Floor Level](#); [Column Grid - Floor Level](#); [Column Line - Floor Level](#); [Door - Floor Level](#); [Egress Route - Floor Level](#); [Emergency Call Box - Floor Level](#); [Extinguisher - Floor Level](#); [Fire Cabinet - Floor Level](#); [Fire Control Panel - Floor Level](#); [Furnishing - Floor Level](#); [Interior Sign - Floor Level](#); [Level - Floor Level](#); [Maintenance Responsibility Area - Floor Level](#); [Moving Sidewalk - Floor Level](#); [Parking Space - Floor Level](#); [Passenger Gate - Floor Level](#); [Room - Floor Level](#); [Security Access Control System Door - Floor Level](#); [Space - Floor Level](#); [Surveillance Camera - 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](#); [Moving Sidewalk - From Level](#); [Pedestrian Centerline - From Level](#); [Stair - From Level](#); [Baggage Carousel - To Level](#); [Baggage Conveyor - To Level](#); [Chase - To Level](#); [Elevator - To Level](#); [Escalator - To Level](#); [Moving Sidewalk - To Level](#); [Pedestrian Centerline - To Level](#); [Stair - To Level](#)

Value	Definition (Notes) [Source]
0	Basement
1	1st Floor
2	2nd Floor
3	3rd Floor
4	4th Floor
5	5th Floor
6	6th Floor
7	7th Floor
8	8th Floor
9	9th floor
10	10th Floor
11	11th Floor
L9	Level 9



L8	Level 8
L7	Level 7
L6	Level 6
L5	Level 5
L4	Level 4
L3	Level 3
L2	Level 2
T3LB	T-3 Level B
T3LA	T-3 Level A
L1M	Level 1M
L1	Level 1
L0	Level 0
EXTE	Exterior
UNDE	Undefined

CodeFuel

Used by Attributes: [Generator - Fuel Type](#); [Pollution Source - primaryFuel](#); [Pollution Source - secondaryfuel](#)

Value	Definition (Notes) [Source]
OCT80_87	Octane 80-87 aviation gasoline. [derived from AIXM 5.1]
OCT91_98	Octane 91-98 aviation gasoline. [derived from AIXM 5.1]
OCT100_130	Octane 100-130 aviation gasoline. [derived from AIXM 5.1]
OCT108_135	Octane 108-135 aviation gasoline. [derived from AIXM 5.1]
OCT115_145	Octane 115-145 aviation gasoline. [derived from AIXM 5.1]
MOGAS	MOGAS aviation gasoline. [AIXM 5.1]
JET	Jet aviation fuel. [AIXM 5.1]
A	Jet A Aviation fuel. [AIXM 5.1]
A1	Jet A1 aviation fuel. [AIXM 5.1]
A1_PLUS	Jet A1-plus FSII aviation fuel. [AIXM 5.1]
B	Jet B aviation fuel. [AIXM 5.1]
JP1	Jet JP-1 aviation fuel. [AIXM 5.1]



JP2	Jet JP-2 aviation fuel. [AIXM 5.1]
JP3	Jet JP-3 aviation fuel. [AIXM 5.1]
JP4	Jet JP-4 aviation fuel. [AIXM 5.1]
JP6	Jet JP-6 aviation fuel. [AIXM 5.1]
AVGAS	Octane 100 aviation gasoline. [derived from AIXM 5.1]
AVGAS_LL	Octane 100 Low Lead aviation gasoline. [derived from AIXM 5.1]
OCT73	Octane 73 aviation gasoline. [derived from AIXM 5.1]
OCT82UL	Octane 82 low-octane unleaded aviation gasoline. [derived from AIXM 5.1]
OCT80	Octane 80 aviation gasoline. [derived from AIXM 5.1]
LqNaturalGas	Liquified Natural Gas
ALL	All regular fuel types. [derived from AIXM 5.1]
F18	NATO aviation gasoline low lead - equivalent AVGAS 100LL. [derived from AIXM 5.1]
F34	NATO jet aviation fuel with FSII - equivalent JP-8. [derived from AIXM 5.1]
F35	NATO jet aviation fuel - equivalent JET A-1. [derived from AIXM 5.1]
F40	NATO jet aviation fuel with FSII - equivalent JP-4. [derived from AIXM 5.1]
F44	NATO jet aviation fuel with FSII - equivalent JP-5. [derived from AIXM 5.1]
JP10	Jet JP-10 aviation fuel - missiles. [AIXM 5.1]
JP5	Jet JP-5 aviation fuel. [AIXM 5.1]
JP7	Jet JP-7 aviation fuel. [AIXM 5.1]
JP8	Jet JP-8 aviation fuel. [AIXM 5.1]
JP8_HIGHER	Jet JP-8 with higher thermal stability. [AIXM 5.1]
JP9	Jet JP-9 aviation fuel - missiles. [AIXM 5.1]
JPTS	Jet JP fuel with higher thermal stability. [AIXM 5.1]
OTHER	Other
RT	Jet RT aviation fuel (Russia). [derived from AIXM 5.1]
TR0	Jet TR0 aviation fuel (France). [derived from AIXM 5.1]
TR4	Jet TR4 aviation fuel (France). [derived from AIXM 5.1]
TS1	Jet TS-1 aviation fuel (Russia). [derived from AIXM 5.1]
100	100
100LL	100LL
115	115
7	7
80	80



A+	A+
A1+	A1+
B+	B+
C	C
F	F
G	G
H	H
J	J
J4	J4
J5	J5
J8	J8
K	K
X	X

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]

CodeFuelStorageType

Used by Attributes: [Generator - Fuel Storage Type](#)

Value	Definition (Notes) [Source]
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UNDERGROUND	Underground
ABOVEGROUND	Above Ground
DIRECTFEED	Direct Feed
UNKNOWN	Unknown

CodeGateStandType

Used by Attributes: [Aircraft Gate Stand Area - 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
PARL	Parallel (to building) parking position
PR	Portable ramp
RMT	Remote parking position.
SR	Stairs
TM	Temporary
UNK	unknown

CodeGateType

Used by Attributes: [Gate Location - Gate Structure Type](#)

Value	Definition (Notes) [Source]
Door	Door
Mechanical	Mechanical Barricade



Other	Other
SingleSliding	Single Sided Sliding Fence
Stationary	Stationary Baricade
SingleSwinging	Single Sided Swinging Fence
Unknown	Unknown
Turnstile	Turnstile
DoubleSliding	Double Sided Sliding Fence
DoubleSwinging	Double Sided Swinging Fence
A	The aircraft using this gate type are those found in Airplane Design Group III wing span between 79 feet (24 m) and 118 feet (36 m).
B	The aircraft using this gate type are those found in Airplane Design Group IV wing span between 118 feet (36 m) and 171 feet (52 m) with a fuselage length less than 160 feet (49 m).
C	The aircraft using this gate type are those found in Airplane Design Group IV wing span between 118 feet (36 m) and 171 feet (52 m) with a fuselage length greater than 160 feet (49 m).
D	The aircraft using this gate type are those found in Airplane Design Group V wing span between 171 feet (52 m) and 213 feet (65 m).

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]

CodeGridType

Used by Attributes:



Value	Definition (Notes) [Source]
AD	Airport Defined grid system, not elsewhere classified in this list
LL	Latitude, longitude
OTHER	Other
SPCS	State Plane Coordinate System
USNG	United States National Grid for Spatial Addressing
UTM	Universal Transverse Mercator

CodeHazardCategory

Used by Attributes:

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-Poisonous 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:

Value	Definition (Notes) [Source]
BASH	Bird Aircraft Strike Hazard
DEER STRIKE	Deer Strike Hazard
TBD	Hazard yet to be determined
OTHER	Other
UNKNOWN	Unknown
TORTOISE PITFALL	TORTOISE PITFALL

CodeHeating-CoolingType

Used by Attributes:

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]

CodeHowAcquired

Used by Attributes:

Value	Definition (Notes) [Source]
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AIP_APPROACH_PROTECTION	Using AIP funds for approach protection
AIP_DEVELOPMENT	Using AIP funds for airport development
AIP_NOISE	AIP funds for noise
DONATION	Donated
PFC_APPROACH_PROTECTION	Using PFC funds for approach protection
PFC_DEVELOPMENT	Using PFC funds for airport development
PFC_NOISE	Using PFC funds for noise
SURPLUS_PROPERTY	Land obtained as surplus property

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 7260 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]

CodeHydrantType

Used by Attributes: [Fire Connection Point - 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]

CodeImageType

Used by Attributes: [Image Location - File Type](#)

Value	Definition (Notes) [Source]
BMP	Bitmap
JPG	Joint Photographic Experts Group
OTH	Other
TIF	Tagged Image File Format
UNK	Unknown
SID	Multiresolution Seamless Image Database
JP2	Joint Photographic Experts Group 2000 wavelet version

CodeInlets

Used by Attributes: [Inlet - Inlet St](#); [Inlet - Inlet St](#)

Value	Definition (Notes) [Source]
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]
STANDARDDD	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]
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]
CATCHBASIN	catch basin [SDSFIE V1.4]
CONDENSATE_DRAIN	condensate drain [SDSFIE V2.3 Cherry Point]

CodeInsulationStandardClass

Used by Attributes: [Light - InsulationStandardClass](#); [Transformr Bank - InsulationStandardClass](#)

Value	Definition (Notes) [Source]
Class0Appliance	Class0Appliance
Class0IAppliance	Class0IAppliance
ClassIAppliance	ClassIAppliance
ClassIIAppliance	ClassIIAppliance
ClassIIIAppliance	ClassIIIAppliance
NotKnown	NotKnown
Unset	Unset



CodeJunctionType

Used by Attributes: [Access Point - Junction Type](#); [Antenna Site - Junction Type](#); [Device - Junction Type](#); [Discharge Point - Junction Type](#); [Discharge Point - Junction Type](#); [Equipment - Junction Type](#); [Fire Connection Point - Junction Type](#); [Flow Control Device - Junction Type](#); [Generator - Junction Type](#); [Grease Trap - Junction Type](#); [Headwall - Junction Type](#); [Hydrant - 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](#); [Light - Junction Type](#); [Manhole - Junction Type](#); [Marker - Junction Type](#); [Meter - Junction Type](#); [Meter - Junction Type](#); [Meter - Junction Type](#); [Meter - Junction Type](#); [Network Systems Site - Junction Type](#); [Oil Water Separator - Junction Type](#); [Oil Water Separator - Junction Type](#); [Pre-Conditioned Air Unit - Junction Type](#); [Pump - Junction Type](#); [Pump - Junction Type](#); [Pump - Junction Type](#); [Pump - Junction Type](#); [Sensor - Junction Type](#); [Speaker - Junction Type](#); [Substation - Junction Type](#); [Surveillance Camera - Junction Type](#); [Tank - Junction Type](#); [Tank - Junction Type](#); [Tank - Junction Type](#); [Telephone - Junction Type](#); [Transformer Vault - Junction Type](#); [Transformr Bank - Junction Type](#); [Valve - Junction Type](#); [Valve - Junction Type](#); [Valve - Junction Type](#); [Valve - Junction Type](#); [Valve - Junction Type](#); [Vault - Junction Type](#); [Video Site - 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]

CodeLaboratory

Used by Attributes:

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:

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]

CodeLandmarkType

Used by Attributes:

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: [Development Area - Intended Use](#)

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)
8500	Quarrying or stone cutting [APA LBCS]
8600	Mining including surface and subsurface strip mining [APA LBCS]



8700	Drilling, dredging, etc. [APA LBCS]
9100	Not applicable [APA LBCS]
9200	Unclassifiable activity [APA LBCS]
9300	Subsurface activity [APA LBCS]
9900	To be determined [APA LBCS]

CodeLightFixtureMountingType

Used by Attributes: [Light - LightFixtureMountingType](#)

Value	Definition (Notes) [Source]
CableSpanned	CableSpanned
FreeStanding	FreeStanding
Pole_Side	Pole_Side
Pole_Top	Pole_Top
Recessed	Recessed
Surface	Surface
Suspended	Suspended
TrackMounted	TrackMounted
Other	Other
NotKnown	NotKnown
Unset	Unset
Internal	Internal
Unlit	Unlit

CodeLightFixturePlacingType

Used by Attributes: [Light - LightFixturePlacingType](#)

Value	Definition (Notes) [Source]
Ceiling	Ceiling



Floor	Floor
Furniture	Furniture
Pole	Pole
Wall	Wall
Other	Other
NotKnown	NotKnown
Unset	Unset

CodeLightingCategory

Used by Attributes:

Value	Definition (Notes) [Source]
ABN	ABN
BEACON	BEACON
FLOOD	FLOOD
HBNC	HBNC
IBN	IBN
MARINE	MARINE
OTHER	Other
RSP	RSP
SIGNAL	SIGNAL
STROBE	STROBE

CodeLightingConfigurationType

Used by Attributes: [Tank - Lighting Type](#); [Tank - 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
AT-VASI	AT Visual Approach Slope Indicator
INCAND	Incandescent
LED	Light Emitting Diode
APAPI	Abbreviated Precision Approach Path Indicator



CodeLightingSystemType

Used by Attributes:

Value	Definition (Notes) [Source]
AIRPORT	AIRPORT
APPROACH	APPROACH
OBSTRUCTION	OBSTRUCTION
OTHER	Other
RUNWAY	RUNWAY
TAXIWAY	TAXIWAY

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]

CodeLoadingBridgeType

Used by Attributes:



Value	Definition (Notes) [Source]
ARM	Moveable Arm
PORTABLE_RAMP	Portable Ramp
PORTABLE_STAIRS	Portable Stairs
Movable Arm	Other

CodeLocationClass

Used by Attributes:

Value	Definition (Notes) [Source]
AA	Ambient Air [SDSFIE V2.3 Edwards Air Force Base]
AS	Pump and Treat (Air Stripping) [SDSFIE V1.4]
AV	Sparge and Vent Groundwater Treatment System. [SDSFIE V1.95 ERPIMS]
BF	Backfilled Location. [SDSFIE V1.95 ERPIMS]
BH	Borehole [SDSFIE V1.4]
BL	Manmade Building materials from Roof, Walls, Basement [SDSFIE V1.4]
BR	Non-Fixed Locations Receptacle Including Barrels and [SDSFIE V1.4]
BT	Baker Tank [SDSFIE V2.2]
CH	Channel-Ditch [SDSFIE V1.4]
CONC	Concrete [SDSFIE V2.2 Edwards Air Force Base]
CP	Cone penetrometer or hydropunch [SDSFIE V2.2 Edwards Air Force Base]
CSA	Composite Surface Air Sample [SDSFIE V2.2 Edwards Air Force Base]
CY	Cryopile [SDSFIE V1.95 ERPIMS]
DH	Dig and Haul [SDSFIE V2.2 Edwards Air Force Base]
EP	Treatability Unit Effluent Monitoring Point. [SDSFIE V1.95 ERPIMS]
FB	Filter Bag [SDSFIE V2.2 Edwards Air Force Base]
FW	Faucet-Tap [SDSFIE V1.4]
G	Grab [SDSFIE V2.2]
GACT	Granular Activated Carbon Tank [SDSFIE V2.2 Edwards Air Force Base]
GT	Grease Trap [SDSFIE V2.2 Edwards Air Force Base]
HA	Hand Auger [SDSFIE V2.2]



HP	Holding Pond-Lagoon [SDSFIE V1.4]
IP	Treatability Unit Influent Monitoring Point [SDSFIE V1.95 ERPIMS]
IWVS	In Well Vapor Stripping [SDSFIE V2.2 Edwards Air Force Base]
LH	Leachate From Landfill [SDSFIE V1.4]
LK	Lake-Pond [SDSFIE V1.4]
MS	Marine Sediment [SDSFIE V1.4]
NQ	Location Type Not Applicable, QC Sample. [SDSFIE V1.95 ERPIMS]
OC	Outcrop [SDSFIE V1.4]
ON	Ocean [SDSFIE V1.4]
OTHER	Other [SDSFIE V2.2]
PH	Cone Pentrometer-Hydropunch [SDSFIE V1.4]
PR	Soil Gas Probe [SDSFIE V1.4]
PZ	Piezometer [SDSFIE V1.4]
RE	Residence [SDSFIE V1.4]
RV	River-Stream [SDSFIE V1.4]
S	Sediment [SDSFIE V2.3 Edwards Air Force Base]
SE	Seep [SDSFIE V1.4]
SG	Soil gas [SDSFIE V2.3 Edwards Air Force Base]
SL	Surface Location [SDSFIE V1.4]
SP	Spring [SDSFIE V1.4]
SPG	Sampling Point - General [SDSFIE V2.2 Edwards Air Force Base]
SPV	Sampling Point - Vapor [SDSFIE V2.2 Edwards Air Force Base]
SPW	Sampling Point - Water [SDSFIE V2.2 Edwards Air Force Base]
SR	Sewer System [SDSFIE V1.4]
SS	Surface Survey [SDSFIE V1.4]
SSP	Split spoon [SDSFIE V2.2 Edwards Air Force Base]
SSS	Surface Soil Sample [SDSFIE V2.2]
STW	Standing water [SDSFIE V2.2 Edwards Air Force Base]
SV	Soil Vapor Extraction System. [SDSFIE V1.95 ERPIMS]
SW	Storm Water [SDSFIE V1.4]
SWS	Surface Water Sample [SDSFIE V2.2]
SWSS	Surface Water-Surface Soil [SDSFIE V2.2 Edwards Air Force Base]
SWWP	Swab or Wipe [SDSFIE V2.2 Edwards Air Force Base]



T	Trenching [SDSFIE V2.2]
TE	Tank-Pipe removal excavation [SDSFIE V1.4]
TK	Fix Loc Receptacle Including Tanks, Containers and Vats. [SDSFIE V1.95 ERPIMS]
TP	Test Pit or Exploratory Pit [SDSFIE V2.2]
VF	Emission isolation flux chamber, utilizing stainless [SDSFIE V1.4]
WF	Waste Water Treatment Facility. [SDSFIE V1.95 ERPIMS]
WL	Well [SDSFIE V1.4]
WLB	Bioventing Well [SDSFIE V2.2 Edwards Air Force Base]
WLBM	Bioventing Monitoring Well [SDSFIE V2.2 Edwards Air Force Base]
WLBT	Bio-Treatment Well [SDSFIE V2.2 Edwards Air Force Base]
WLD	Dry Well [SDSFIE V2.2]
WLDE	Dual Extraction Well [SDSFIE V2.2 Edwards Air Force Base]
WLE	Extraction Well [SDSFIE V2.2 Edwards Air Force Base]
WLH	Historic Well [SDSFIE V2.2 Edwards Air Force Base]
WLI	Injection Well [SDSFIE V2.2]
WLM	Monitoring Well [SDSFIE V2.2 Edwards Air Force Base]
WLO	Observation Well [SDSFIE V2.2]
WLP	Pumping Well [SDSFIE V2.2 Edwards Air Force Base]
WLPZ	Piezometer Well [SDSFIE V2.2 Edwards Air Force Base]
WLR	Recovery Well [SDSFIE V2.2 Edwards Air Force Base]
WLRI	Reinfiltration Well [SDSFIE V2.2 Edwards Air Force Base]
WLS	Sparge Well [SDSFIE V2.2 Edwards Air Force Base]
WLSG	Soil Gas Well [SDSFIE V2.2 Edwards Air Force Base]
WLVE	Vapor Extraction Well [SDSFIE V2.2 Edwards Air Force Base]
WLVM	Vapor Monitoring Well [SDSFIE V2.2 Edwards Air Force Base]
WP	Pumping Well [SDSFIE V2.2 Edwards Air Force Base]
WT	Wetlands-Swamp [SDSFIE V1.95 ERPIMS]
WW	Waste Water [SDSFIE V1.4]

CodeLowVisibilityCategory

Used by Attributes:



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

CodeManholeCoverType

Used by Attributes: [Junction - Cover Material](#); [Manhole - Facility Type](#)

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]

CodeManholeFunctionType

Used by Attributes: [Manhole - function](#)

Value	Definition (Notes) [Source]
COIL	slack - coil [SDSFIE V2 Austin and Pitts]



OTHER	Other [SDSFIE V2 Austin and Pitts]
SPL	Splice [SDSFIE V2 Austin and Pitts]
T_SPL	T-splice [SDSFIE V2 Austin and Pitts]
TBD	To Be Determined [SDSFIE V2 Austin and Pitts]
UNKNOWN	Unknown [SDSFIE V2 Austin and Pitts]

CodeManholeLinerType

Used by Attributes: [Junction - Liner Type](#); [Junction - 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]
Iron	Iron
Steel	Steel
Wood	Wood
Other	Other

CodeMarkingFeatureType

Used by Attributes: [Tank - markingFeatureType](#); [Tank - markingFeatureType](#)



Value	Definition (Notes) [Source]
AIMING_POINT	Runway Aiming Point (Geometry Type: Polygon) [Source: AC 150-5340-1]
ALTBAND	Alternating 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]
DEMARICATION	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: Polygon) [AC 150-5340-1]
ILS_HOLD	Holding position markings for Instrument Landing Systems (Geometry Type: Line) [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 (Geometry Type: Line)
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]
OTHER	Markings for permanently closed runways and taxiways (Geometry Type: Polygon) [Source: AC 150-5340-1]
PERM_CLOSED	Geographic position markings (Geometry Type: Polygon) [Source: AC 150-5340-1]
POS_SIGN	Runway Centerline (Geometry Type: Line) [Source: AC150-5340-1]
RWY_CL	Runway holding position markings on Runways (Geometry Type: Line) [Source: AC 150-5340-1]
RWY_HOLD	Runway Designation Marking (Geometry Type: Polygon) [Source: AC 150-5340-1]
RWY_ID	Runway shoulder markings (Geometry Type: Line) [Source: AC 150-5340-1]
RWY_SHD	Runway Threshold Marking (Geometry Type: Polygon) [Source: AC 150-5340-1]
RWY_THRSH	Runway Side Stripe Marking (Geometry Type: Line) [Source: AC 150-5340-1]



SIDE_STRP	Solid pattern obstruction marking (Geometry Type: Polygon)[Source AC 70-7640-1]
SOLID	Runway Touchdown Zone Marking (Geometry Type: Polygon) [Source: AC 150-5340-1]
TDZ_MARK	Markings for temporarily closed runways and taxiways (Geometry Type: Line) [Source: AC 150-5340-1]
TEMP_CLOSED	Runway Threshold Bar (Geometry Type: Polygon) [Source: AC 150-5340-1]
THRSH_BAR	Aircraft tiedown (Geometry Type: Line)
TIEDOWN	Taxiway Centerline (Geometry Type: Line) [Source: AC 150-5340-1]
TWY_CL	Enhanced 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: Line) [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]
TWY_CLE	Enhanced Taxiway Centerline (Geometry Type: Line) [Source: AC 150-5340-1]

CodeMaterialType

Used by Attributes: [Bollard - Material](#); [Column - Material](#); [Guard Rails - Material](#); [Retaining Wall - Material](#); [Door - Panel Material](#); [Wall - Structural Material](#)

Value	Definition (Notes) [Source]
Block	Block
Other	Other
Poured Concrete	Poured Concrete
Unknown	Unknown
Wood	Wood
Steel	Steel
Aluminum	Aluminum

CodeMediaType

Used by Attributes: [Equipment - 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]

CodeMonumentType

Used by Attributes:

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]

CodeMountingType

Used by Attributes: [Landside Sign - Mounting Type](#)

Value	Definition (Notes) [Source]
Bridge abutment	Bridge abutment
Bridge rail	Bridge rail
Bridge side	Bridge side
Round aluminum	Round aluminum
Round galvanized steel	Round galvanized steel
Grade crossing beacon	Grade crossing beacon
Sign mast arm	Sign mast arm
Steel sign assembly	Steel sign assembly
Square-channel aluminum	Square-channel aluminum
Supplemental bracket	Supplemental bracket
Traffic signal mast arm	Traffic signal mast arm
Traffic signal pole	Traffic signal pole
U-channel galvanized steel	U-channel galvanized steel
Utility pole	Utility pole
Vehicle	Vehicle
Other	Other

CodeMountType



Used by Attributes: [Light - Mount](#); [Surveillance Camera - Mount Type](#)

Value	Definition (Notes) [Source]
POLE	Pole
BUILDING	Building
MISC_STRUC	Miscellaneous Structure
TEMPORARY	Temporary
OTHER	Other
UNKNOWN	Unknown

CodeNavaidEquipmentType

Used by Attributes:

Value	Definition (Notes) [Source]
ALS	Approach Lighting System
APAPI	Abbreviated Precision Approach Path Indicator
APBN	Airport Beacon
ARSR	Air Route Surveillance Radar
ASDE	Airport Surface Detection Equipment
ASR	Airport Surveillance Radar
BCM	Back Course Marker
DF	Direction Finding Equipment
DME	Distance Measuring Equipment
FM	Fan Marker
FMH	Fan Marker located with a radio beacon
FMS	Flight Management System [AIXM 5.1]
GCA	Ground Controlled Approach touchdown reflectors
GNSS	Global Navigation Satellite System [AIXM 5.1]
GS CE	Glide Slope Capture Effect
GS EF	Glide Slope End Fire



GS NR	Glide Slope Null Reference
GS SB	Glide Slope Side Band
IM	Inner Marker
INS	Inertial Navigation System [AIXM 5.1]
LDA	Localizer type Directional Aide
LMM	Locator Middle Marker
LOC	Localizer
LOC_DME	Localizer collocated with DME
LOM	Locator Outer Marker
LORAN	LONg RANge Navigation receiver [AIXM 5.1]
MLSAZ	Microwave Landing System Azimuth Antenna
MLS DME	Microwave Landing System DME
MLSEL	Microwave Landing System Elevation Antenna
MM	Middle Marker
MSBLS-AZ	Microwave scan beam Landing System AZimuth antenna
MSBLS-DME	Microwave scan beam Landing System Distance Measuring Equipment
MSBLS-EL	Microwave scan beam Landing System Elevation antenna
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
NDB_DME	NDB collocated with DME
OM	Outer Marker
OTHER	Other
PAPI	Precision Approach Path Indicator
PAR	Precision Approach Radar
PLASI	Pulse Light Approach Slope Indicator
PRM	Precision Runway Monitor
PVASI	Pulsating Visual Approach Slope Indicator
REIL	Runway End Indicator Lights
SDF	Simplified Directional Facility
SECRA	Secondary Radar Antenna



TACAN	Tactical Air Navigation
TDR	Touchdown Reflector
TLS-APGS	Transponder Landing System Approach Glideslope
TLS-LOC	Transponder Landing System Localizer
TRCV	Tricolor Visual Approach Slope Indicator
T-VASI	T Visual Approach Slope Indicator
VASI	Visual Approach Slope Indicator System
VISUAL	Used to identify the navaid as a visual system
VOR	VHF Omni directional Range
VOR_DME	VOR and collocated DME [AIXM 5.1]
VORTAC	VOR and collocated TACAN
VOT	VOR Test Facility
WAAS	Wide Area Augmentation System [AIXM 5.1]

CodeNavaidSystemType

Used by Attributes:

Value	Definition (Notes) [Source]
ILS	Instrument Landing System
MLS	Microwave Landing System
MSBLS	Microwave Scan Beam Landing System
VOR-DME1	VHF Omnidirectional Range collocated with Distance Measuring Equipment
TLS	Transponder Landing System
DF	DF
NDBC	NDBC
NDBH	NDBH
NDBM	NDBM
NDBU	NDBU
PAR	PAR



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](#)

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]

CodeObstacleSource

Used by Attributes:

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:

Value	Definition (Notes) [Source]
AERIAL CABLEWAY	Aerial Cableway
AERIAL CABLEWAY PYLON	Aerial Cableway Pylon
AG_EQUIP	Agricultural equipment [AIXM 5.1]
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	Generic for any type of bridge, overpass or viaduct
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_HIGHPOINT	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	Right
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	Tower (Non-Communication 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
EARTHEN_WORKS	Formations of solid, rock and other natural material
FENCE	Fence [AIXM 5.1]
FOREST	Forest of trees
GATE	Gate [AIXM 5.1]
HANGAR	Aircraft hangar
OTHER	Other



TERMINAL_BUILDING	Airport terminal building
WINDSOCK	Windssock

CodeObstructionAreaType

Used by Attributes:

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: [Landside Sign - Travel Direction](#)

Value	Definition (Notes) [Source]
CL	On centerline
LEFT	Offset to the left
RIGHT	Offset to the right
None	None
In	In
Out	Out
North	North
South	South
East	East



West	West
Toward	Toward
Away	Away
Left	Left
Right	Right
BOTH	Distributed on both sides of the axis [AIXM 5.1]
L	L
R	R

CodeOisSurfaceCondition

Used by Attributes:

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.
NA	Not Applicable

CodeOisSurfaceType

Used by Attributes:

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:

Value	Definition (Notes) [Source]
APPROACH	Approach
CONICAL	Conical
HORIZONTAL	Horizontal
PRIMARY	Primary
TRANSITION	Transition

CodeOperationsType

Used by Attributes:

Value	Definition (Notes) [Source]
CIVIL	Civil operations only
JOINT	Joint military and civil operations
MIL	Military operations only
OTHER	Other

CodeOwner



Used by Attributes:

Value	Definition (Notes) [Source]
A	Air Force
B	Public
C	Coast Guard
E	FAA Facilities and Equipment Projects
F	FAA (Other than Facilities and Equipment)
H	International Public
I	International
J	International Private
K	International Military
L	International (U.S. Aid Funds)
N	Navy
O	Other
P	Private
R	Army
S	State
X	Special

CodePavementClassificationNumberEvaluationMethod

Used by Attributes:

Value	Definition (Notes) [Source]
T	Technical evaluation
U	Unknown

CodePavementClassificationNumberPavementType



Used by Attributes:

Value	Definition (Notes) [Source]
F	Flexible pavement
R	Rigid pavement

CodePavementClassificationPavementSubgrade

Used by Attributes:

Value	Definition (Notes) [Source]
A	High strength subgrade
B	Medium strength subgrade
C	Low strength subgrade
D	Ultra-low strength subgrade

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]



CodePipeDiameter

Used by Attributes: [Line - Diameter](#); [Junction - effluentPipeDiameter](#); [Junction - influentPipe1Diameter](#); [Junction - influentPipe2Diameter](#); [Junction - influentPipe3Diameter](#); [Junction - influentPipe4Diameter](#); [Junction - influentPipe5Diameter](#); [Fire Connection Point - Size](#); [Flow Control Device - Size](#); [Hydrant - Size](#); [Line - Size](#); [Line - Size](#); [Line - Size](#); [Meter - Size](#); [Meter - Size](#); [Meter - Size](#); [Valve - Size](#); [Valve - Size](#); [Valve - Size](#); [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 - Pipe Line Location](#); [Line - Piplyt](#)

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]



CodePipeMaterial

Used by Attributes: [Ductbank - Duct Material](#); [Ductbank - ductMat](#); [Junction - effluentPipeMaterial](#); [Junction - influentPipe1Material](#); [Junction - influentPipe2Material](#); [Junction - influentPipe3Material](#); [Junction - influentPipe4Material](#); [Junction - influentPipe5Material](#); [Junction - Line In 1 Material](#); [Junction - Line In 2 Material](#); [Junction - Line In 3 Material](#); [Junction - Line In 4 Material](#); [Junction - Line Out Material](#); [Ductbank - Material](#); [Grease Trap - Material](#); [Junction - Material](#); [Junction - Material](#); [Junction - Material](#); [Junction - Material](#); [Junction - Material](#); [Line - Material](#); [Line - Material](#); [Line - Material](#); [Line - Material](#); [Line - Material](#); [Tank - Material](#); [Tank - Material](#); [Vault - Material](#)

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]
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]
CRESTEDWOOD	creosoted wood [SDSFIE V1.4]
COPPER	Copper [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_WRAPPED	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	vitriified 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]
Glycol	Glycol
WasteGlycol	Waste Glycol

CodePointType

Used by Attributes: [Displaced Threshold - 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 airports 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 airports 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
CENTERLINE_OFFSET_POINT	A point collected at an offset to the runway centerline

CodePoleCondition

Used by Attributes: [Fire Connection Point - Condition](#); [Grease Trap - Condition](#); [Junction - Condition](#); [Manhole - Condition](#); [Telephone - Condition](#); [Transformr Bank - Condition Code](#)

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]
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]
SERVICEABLE	Servicable



CodePoleType

Used by Attributes: [Sign Pole - Pole Type](#)

Value	Definition (Notes) [Source]
Concrete	Concrete
Metal	Metal
Other	Other
Unknown	Unknown

CodeProcedureAvailabilityBaseType

Used by Attributes: [Flight Procedure - Is Available](#)

Value	Definition (Notes) [Source]
USABLE	The procedure may be flown according to its timetable. Is active and can be used.
UNUSABLE	Temporarily suspended because, for example, a temporary obstacle makes the procedure unsafe
OTHER	Other

CodeProcedureCodingStandardType

Used by Attributes: [Flight Procedure - Coding Standard](#)

Value	Definition (Notes) [Source]
PANS_OPS	ICAO PANS-OPS.
ARINC_424_15	ARINC 424 version 15
ARINC_424_18	ARINC 424 Version 18
ARINC_424_19	ARINC 424 Version 19.
OTHER	Other



CodeProgress

Used by Attributes: [Access Coverage Area - collectionProgress](#); [Access Point - collectionProgress](#); [Antenna Site - collectionProgress](#); [Cable - collectionProgress](#); [Coaxial Line - collectionProgress](#); [Device - collectionProgress](#); [Discharge Point - collectionProgress](#); [Ductbank - collectionProgress](#); [Ductbank - collectionProgress](#); [Equipment - collectionProgress](#); [Generator - collectionProgress](#); [Inlet - collectionProgress](#); [Internet Center - collectionProgress](#); [Junction - collectionProgress](#); [Junction - collectionProgress](#); [Line - collectionProgress](#); [Marker - collectionProgress](#); [Meter - collectionProgress](#); [Meter - collectionProgress](#); [Network Systems Site - collectionProgress](#); [Other Cable - collectionProgress](#); [Pump - collectionProgress](#); [Pump - collectionProgress](#); [Segmented Cable - collectionProgress](#); [Sensor - collectionProgress](#); [Speaker - collectionProgress](#); [Substation - collectionProgress](#); [Surveillance Camera - collectionProgress](#); [Tank - collectionProgress](#); [Telephone - collectionProgress](#); [Transformer Vault - collectionProgress](#); [Transformr Bank - collectionProgress](#); [Valve - collectionProgress](#); [Valve - collectionProgress](#); [Video Site - collectionProgress](#)

Value	Definition (Notes) [Source]
temp	temp
Requested	Requested
Planned	Planned
Collected	Collected
Processed	Processed
Checked	Checked
Delivered	Delivered
Replaced	Replaced
Other	Other

CodeProjectStatus

Used by Attributes:

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



CANCELLED	Project has been cancelled
DESI	Design
CONS	Construction
COMP	Complete

CodePumpSta

Used by Attributes: [Flow Control Device - Install Type](#); [Meter - Install Type](#); [Meter - Install Type](#); [Meter - Install 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]



CodeRecoveredCondition

Used by Attributes:

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
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
Set now (for a first time description)	Set now (for a first time description)

CodeRestrictionType

Used by Attributes: [Door - Access Restriction Type](#); [Elevator - Access Restriction Type](#); [Security Access Control System Door - Lock Type](#); [Access Control Device - Type](#)

Value	Definition (Notes) [Source]
Biometric	Biometric
Card	Card Reader
Key	Key
None	None
Other	Other
CardKey	Card and Key
Cyper	Cyper Lock
BMS	Balanced Magnetic Switch
ACC	Accounting
CIVI	Civil



EVEN	Event
FEIS	Federal Inspection Services (FIS)
MILI	Military
PUSA	Public Safety
UNKN	Unknown

CodeRoadPointType

Used by Attributes:

Value	Definition (Notes) [Source]
AtGrade	AtGrade
AccessPoint	AccessPoint
Interchange	Interchange
RRGradeCrossing	RRGradeCrossing
Virtual	Virtual
BridgeCenterPoint	BridgeCenterPoint
TunnelCenterPoint	TunnelCenterPoint
TollCollectionFacility	TollCollectionFacility
PavementChange	PavementChange
StreetNameChange	StreetNameChange
UtilityPerpendicularPoint	UtilityPerpendicularPoint
LandmarkPerpendicularPoint	LandmarkPerpendicularPoint
GeodeticPerpendicularPoint	GeodeticPerpendicularPoint
OtherPoint	OtherPoint

CodeRoadShoulderType

Used by Attributes: [Road Shoulder - Road Shoulder Type](#)

Value	Definition (Notes) [Source]
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None or Inadequate	None or Inadequate
Surfaced shoulder exists - bituminous concrete (AC)	Surfaced shoulder exists - bituminous concrete (AC)
Surfaced shoulder exists - Portland Cement Concrete surface (PCC)	Surfaced shoulder exists - Portland Cement Concrete surface (PCC)
Stabilized shoulder exists	Stabilized shoulder exists
Combination shoulder exists	Combination shoulder exists
Earth shoulder exists	Earth shoulder exists
Barrier curb exists; no shoulder in front of curb	Barrier curb exists; no shoulder in front of curb

CodeRoadUse

Used by Attributes:

Value	Definition (Notes) [Source]
PUBLIC	Public
PRIVATE	Private
CONSHAUL	Construction Haul Route
UNK	Unknown
OTH	other

CodeRockStrength

Used by Attributes:

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]

CodeRouteType

Used by Attributes:

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:

Value	Definition (Notes) [Source]
CWY	Clearway
ILS	ILS protection area. Protects ILS signal distortion by forbidding large objects in the area.
IOFZ	Inner Obstacle Free Zone or surface [AIXM 5.1]
LIGHT	Light Plane Surface
OFZ	Obstacle Free Zone or surface [AIXM 5.1]
OTHER	Other
POFZ	Precision Obstacle Free Zone or surface [AIXM 5.1]
RESA	Runway end safety area [AIXM 5.1]
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.

CodeRunwayType

Used by Attributes:

Value	Definition (Notes) [Source]
FATO	Final approach and take off
RWY	Runway

CodeSamplePointLocation

Used by Attributes:



Value	Definition (Notes) [Source]
AS	Air sample
BH	Borehole
BIO	Biological
GWS	Groundwater
OTHER	Other
SEDS	Sediment
SOIL	Soil
SOLM	Solid
SURF	Surface
WAS	Waste
WL	Well
PC	Pavement

CodeSecondaryCurrentType

Used by Attributes: [Transformr Bank - SecondaryCurrentType](#)

Value	Definition (Notes) [Source]
AC	AC
DC	DC
NotKnown	NotKnown
Unset	Unset

CodeSecureArea

Used by Attributes: [Door - Secure](#)

Value	Definition (Notes) [Source]
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SIDA	Security Identification Display Area
Security_Area	Security Area
Sterile_Area	Sterile Area
AOA	Aircraft Operating Area
Restricted	Restricted from public
Public	Publically Accessible
Other	Other

CodeSegmentType

Used by Attributes:

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

CodeSewageTestType

Used by Attributes:

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]

CodeShape

Used by Attributes: [Column - Column Shape](#)

Value	Definition (Notes) [Source]
Square	Square
Rectangular	Rectangular
Circular	Circular
Ellipse	Ellipse
Wide Flange	Wide Flange
Other	Other
Unknown	Unknown

CodeSheathInsulateType

Used by Attributes: [Cable - Cbl Sht](#); [Other Cable - Cbl Sht](#); [Coaxial Line - Chl Sht](#); [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	polytetrafluoroethylene (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:

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]

CodeShorelineType

Used by Attributes:



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:

Value	Definition (Notes) [Source]
O	Other airfield pavement with a shoulder
R	Runway
T	Taxiway

CodeSignRating

Used by Attributes: [Landside Sign - Sign Condition](#)

Value	Definition (Notes) [Source]
New	New
Excellent	Excellent
Good	Good
Fair	Fair
Poor	Poor
Damaged	Damaged



Destroyed

Destroyed

Missing

Missing

CodeSignTypeCode

Used by Attributes:

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
CAT2CAT3_OPS	Holding Position sign for Category II and III Critical Areas
HOLD_CAT2CAT3	Holding Position sign for Category II and III Critical Areas



RAMP	Inbound Destination Sign areas set aside for aircraft apron - ramp use (not elsewhere classified)
UNKNOWN	Unknown sign (not elsewhere classified)

CodeSize

Used by Attributes: [Manhole - Manhole Size](#)

Value	Definition (Notes) [Source]
1X1.5X2	1x1.5x2 Standard Manhole Size as measured in feet [SDSFIE V2.31 Tinker Air Force Base]
3X5X2.5	3x5x2.5 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
3X5X3	3x5x3 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
3X5X4	3x5x4 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
4X4X3	4x4x3 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
4X4X4	4x4x4 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
4X6X4	4x6x4 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
4X6X6	4x6x6 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
6X10X6	6x10x6 Standard Manhole Dimensions in Feet. [SDSFIE V2.5 AIR FORCE]
6X12X6	6x12x6 Standard Manhole Dimensions in Feet. [SDSFIE V2.5 AIR FORCE]
6X4X6	6x4x6 Standard Manhole Dimensions in Feet [SDSFIE V2.31 Tinker Air Force Base]
8X4X7	8x4x7 Standard Manhole Dimensions in Feet. [SDSFIE V2.5 AIR FORCE]
8X6X6	8x6x6 Standard Manhole Dimensions in Feet. [SDSFIE V2.5 AIR FORCE]

CodeSoilConsistency

Used by Attributes:

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:

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:

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 Paleaquults [SDSFIE V1.4]

CodeSoilsTexture

Used by Attributes:

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]
COARSE SAND	coarse sand [SDSFIE V1.4 FGDC Soils Classification]
COARSE SILT	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]
VRRCRSPBGRVL	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]

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]

CodeSpeciesConditionsType

Used by Attributes:

Value	Definition (Notes) [Source]
ALIVE	Alive. [SDSFIE V2.5 NAVFAC]
INJURED	Injured. [SDSFIE V2.5 NAVFAC]



NEST	Nest. [SDSFIE V2.5 NAVFAC]
STRANDING	Stranding. [SDSFIE V2.5 NAVFAC]

CodeSpliceCaseEncapsulate

Used by Attributes:

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:

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:

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]



CodeStatus

Used by Attributes:

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:

Value	Definition (Notes) [Source]
AIR_COURIER	Air courier operations or storage
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
BLAST_FENCE	Structure for deflecting jet engine blast
CAPITOL	Capitol
CARGO_FACILITY	Building or other structure used for cargo operations
CHURCH	church-temple
CITY_HALL	City Hall
COMMUNITY_CENTER	Community Center
CONCERT_HALL	Concert Hall
CONCOURSE	Passenger terminal or concourse
CONDO	condominium



COURT_HOUSE	Court House
DRY_STORAGE_DOCK	Dry Storage Dock
DUPLEX	house, duplex
DWELLING	dwelling
EARTHWORKS	Earthworks
FOOD_SERVICES	Food preparation
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
MAINTENANCE_AIRCRAFT	Aircraft maintenance
MAINTENANCE_GSE	Ground Service Equipment maintenance
MAINTENANCE_OTHER	Maintenance purposes not elsewhere classified
MEDICAL_CENTER	Medical Center
MEMORIAL	Memorial
MOBILE_HOME	Mobile home or trailer
MUSEUM	Museum.
NAVAID	Shed or building associated with navigational aid equipment
NUCLEAR_REACTOR	Nuclear reactor [AIXM 5.1]
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
REFINERY	Refinery [AIXM 5.1]
RENTAL_FACILITY	Rental Car facility
RIG	Rig [AIXM 5.1]
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
STADIUM	Stadium [AIXM 5.1]
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
STORAGE_FACILITY	STORAGE_FACILITY

CodeStyleDrainField

Used by Attributes: [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]



CodeStyleValve

Used by Attributes: [Hydrant - Valve St](#); [Valve - Valve St](#); [Valve - Valve St](#); [Valve - Valve St](#); [Valve - Valve St](#); [Fire Connection Point - 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: [Access Coverage Area - Quality Level](#); [Access Point - Quality Level](#); [Antenna Site - Quality Level](#); [Cable - Quality Level](#); [Cable - Quality Level](#); [Coaxial Line - Quality Level](#); [Device - Quality Level](#); [Discharge Point - Quality Level](#); [Discharge Point - Quality Level](#); [Drainage Basin - Quality Level](#); [Drainage Divide Line - Quality Level](#); [Ductbank - Quality Level](#); [Ductbank - Quality Level](#); [Ductbank - Quality Level](#); [Equipment - Quality Level](#); [Fire Connection Point - Quality Level](#); [Flow Control Device - Quality Level](#); [Generator - Quality Level](#); [Grease Trap - Quality Level](#); [Headwall - Quality Level](#); [Headwall Line - Quality Level](#); [Hydrant - Quality Level](#); [Inlet - Quality Level](#); [Inlet - Quality Level](#); [Internet Center - Quality Level](#); [Junction - Quality Level](#); [Junction - Quality Level](#); [Junction - Quality Level](#); [Junction - Quality Level](#); [Light - Quality Level](#); [Line - Quality Level](#); [Line - Quality Level](#); [Line - Quality Level](#); [Line - Quality Level](#); [Manhole - Quality Level](#); [Marker - Quality Level](#); [Meter - Quality Level](#); [Meter - Quality Level](#); [Meter - Quality Level](#); [Network Systems Site - Quality Level](#); [Oil Water Separator - Quality Level](#); [Oil Water Separator - Quality Level](#); [Other Cable - Quality Level](#); [Pump - Quality Level](#); [Pump - Quality Level](#); [Pump - Quality Level](#); [Segmented Cable - Quality Level](#); [Sensor - Quality Level](#); [Speaker - Quality Level](#); [Sprinkler - Quality Level](#); [Substation - Quality Level](#); [Tank - Quality Level](#); [Tank - Quality Level](#); [Telephone - Quality Level](#); [Transformer Vault - Quality Level](#); [Transformr Bank - Quality Level](#); [Utility Marker - Quality Level](#); [Valve - Quality Level](#); [Valve - Quality Level](#); [Valve - Quality Level](#); [Valve - Quality Level](#); [Video Site - Quality Level](#)

Value	Definition (Notes) [Source]
D	Records
C	Field Survey of Apurtenances
B	Subsurface Detection
A	Potholing
Unknown	Unknown



CodeSurfaceComposition

Used by Attributes:

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

CodeSurfaceCondition

Used by Attributes:

Value	Definition (Notes) [Source]
FAIR	Fair condition
GOOD	Good condition
POOR	Poor condition
UNSAFE	Surface is deemed unsafe for operations
OTHER	Other
DEFORMED	Presenting deformations [AIXM 5.1]

CodeSurfaceMaterial

Used by Attributes: [Junction - Surface Material](#)

Value	Definition (Notes) [Source]
AG	Asphalt grooved
AGS	Asphalt and turf
ANG	Asphalt nongrooved
ASPH	Asphalt [AIXM 5.1]
ASPH_GRASS	Asphalt and grass [AIXM 5.1]
BITUM	Bituminous tar or asphalt and-or oil or bitumen bound, mix-in-place surfaces (often referred to as earth cement). [note: A bituminous tar or asphalt surface is prepared by digging up the surface, mixing the material with bitumen or oil binder, and surfaci
BRICK	Brick [AIXM 5.1]
CG	Concrete grooved
CLAY	Clay [AIXM 5.1]
COMPOSITION	Multiple materials
CNG	Concrete nongrooved



CONC	Concrete [AIXM 5.1]
CONC_ASPH	Concrete and asphalt [AIXM 5.1]
CONC_GRS	Concrete and grass [AIXM 5.1]
CORAL	Coral [AIXM 5.1]
DT	Dirt
EARTH	Bare Earth
EMAS	Engineered Material Arresting System
GR	Gravel
GRASS	Grass including portions of turf or bare earth [AIXM 5.1]
GRAVEL	Gravel [AIXM 5.1]
GS	Turf
ICE	Ice [AIXM 5.1]
LATERITE	Laterite - a high iron clay formed in tropical areas [AIXM 5.1]
MACADAM	A macadam or tarmac surface consisting of water-bound crushed rock. [AIXM 5.1]
MATS	Landing mat portable system usually made of aluminum [AIXM 5.1]
MEMBRANE	A protective laminate usually made of rubber [AIXM 5.1]
METAL	Metal - steel, aluminum [AIXM 5.1]
NON_BITUM_MIX	Non Bituminous mix [AIXM 5.1]
OTHER	Other [AIXM 5.1]
PIERCED_STEEL	Pierced steel planking [AIXM 5.1]
SAND	Sand [AIXM 5.1]
SNOW	Snow [AIXM 5.1]
STONE	Stone [AIXM 5.1]
WATER	Water [AIXM 5.1]
WOOD	Wood [AIXM 5.1]
BE	BE
CA	CA
CGS	CGS
DS	DS
FW	FW
SI	SI
SW	SW
W	W



CodeSurfacePreparation

Used by Attributes:

Value	Definition (Notes) [Source]
AFSC	AFSC
GRADED	Graded surface
GROOVED	Grooved surface
NATURAL	NATURAL
OILED	OILED
OTHER	Other type of surface preparation
PAVED	Paved (specially prepared hard surface)
PFC	PFC
RFSC	RFSC
ROLLED	ROLLED
UNGROOVED	Ungrooved surface
UNPAVED	Unpaved (specially prepared hard surface)

CodeSurfaceType

Used by Attributes:

Value	Definition (Notes) [Source]
P	Specially prepared hard surface Paved
S	Specially prepared hard surface Unpaved
U	Not a specially prepared hard surface

CodeTankUse



Used by Attributes: [Tank - Tank Use](#); [Tank - Tank Use](#)

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]

CodeTaxiwayType

Used by Attributes:

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 BAY	Holding bay
INLINE	Inline taxiway
OTHER	Those not listed here
PARALLEL	Parallel taxiway
STUB	Stub taxiway
TLANE	Taxilane
TURN_AROUND	Turn around taxiway

CodeTaxonomyType

Used by Attributes:

Value	Definition (Notes) [Source]
ANIMAL	Animalia (animals). Comprising all living or extinct animals . [SDSFIE V2.5 NAVFAC]
FUNGI	Fungus. An organism in the Fungi Kingdom. Fungi are similar to plants, but they cannot make their own food like plants do. [SDSFIE V2.5 NAVFAC]
MONERAN	The Monerans are the most numerous and widespread organisms on earth. They comprise the only kingdom of prokaryotic organisms. [SDSFIE V2.5 NAVFAC]
PLANT	Plants do not have the ability to move like animals, but they are able to make their own food by pulling water and nutrients from the soil, and by using light. [SDSFIE V2.5 NAVFAC]
PROTIST	Protozoa. A group of organisms in the Protist Kingdom. [SDSFIE V2.5 NAVFAC]

CodeThresholdType

Used by Attributes:

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



CodeTypeAirspaceSignificantPoint

Used by Attributes:

Value	Definition (Notes) [Source]
B	Situated on the border of the airspace
EE	Entry-exit point
EN	Entry point
EX	Exit point
IN	Situated within the airspace
OTHER	Other

CodeUom

Used by Attributes: [Pollution Source - unit](#)

Value	Definition (Notes) [Source]
1	Less than 1% [SDSFIE V1.75]
10	0.09 [SDSFIE V1.75]
11	0.1 [SDSFIE V1.75]
12	11-15% [SDSFIE V1.75]
13	16-20% [SDSFIE V1.75]
14	21-30% [SDSFIE V1.75]
15	Greater than 31% [SDSFIE V1.75]
2	0.01 [SDSFIE V1.75]
3	0.02 [SDSFIE V1.75]
4	0.03 [SDSFIE V1.75]
5	0.04 [SDSFIE V1.75]
6	0.05 [SDSFIE V1.75]
7	0.06 [SDSFIE V1.75]



8	0.07 [SDSFIE V1.75]
9	0.08 [SDSFIE V1.75]
AQLFPFT3	aquatic life per cubic foot [SDSFIE V1.75]
AQLFPIN3	aquatic life per cubic inch [SDSFIE V1.75]
AQLFPM3	aquatic life per cubic meter [SDSFIE V1.75]
AQLFPMI3	aquatic life per cubic mile [SDSFIE V1.75]
AQLFPYD3	aquatic life per cubic yard [SDSFIE V1.75]
ARTF_M2	artifacts per square meter [SDSFIE V1.75]
ARTF_YD2	artifacts per square yard [SDSFIE V1.75]
ARTIFACTPM3	artifacts per cubic meter [SDSFIE V1.75]
ARTIFACTPYD3	artifacts per cubic yard [SDSFIE V1.75]
BIOM_FT2	biomes per square foot [SDSFIE V1.75]
BIOM_M2	biomes per square meter [SDSFIE V1.75]
BIOM_YD2	biomes per square yard [SDSFIE V1.75]
CD	candela - luminous intensity [SDSFIE V1.75 ISO10006-29]
CI	curie - radioactivity [SDSFIE V1.75]
CI_D	A radioactivity emission rate equal to one curie in one day. [SDSFIE V1.8 SI ANSI]
CI_ML	A radioactivity concentration equal to one curie in a milliliter. [SDSFIE V1.8 SI]
DOLLARS	dollars [SDSFIE V1.75]
DPAS	A unit of viscosity equal to one tenth of a pascal second or one poise. [SDSFIE V1.8 SI ANSI]
DYN	dyne - force [SDSFIE V1.75]
EACH	each [SDSFIE V1.75]
F_CC	fibers per cubic centimeter (air - asbestos) [SDSFIE V1.75]
FAMILIES	families [SDSFIE V1.75]
FEETBERTH	feet of berthing [SDSFIE V1.75]
FIREPOINT	firing points [SDSFIE V1.75]
FRACTURESPFT	fractures per foot [SDSFIE V1.75]
FREQUENCY	frequency [SDSFIE V1.75]
HALFLIFE	half life [SDSFIE V1.75]
HEADS	heads [SDSFIE V1.75]
JOINTS	joints [SDSFIE V1.75]
JTUS	Jackson Turbidity Units [SDSFIE V1.75]
KW	kilowatt - power [SDSFIE V1.75 ISO10005-9]



LANES	lanes [SDSFIE V1.75]
LB_HR_TON	A rate equal to one pound per hour per ton. [SDSFIE V1.8 SI ANSI]
LB_MWHR	A rate equal to one pound per megawatt-hour. [SDSFIE V1.8 SI ANSI]
LBF	A unit of force equal to a force of one pound acting between two bodies. [SDSFIE V1.8 SI ANSI]
LM	The unit of luminous flux equal to luminous flux emitted in a solid angle of one steradian by a uniform point source having an intensity of one candle. [SDSFIE V1.8 SI ANSI]
LM_FT2	The illumination of a surface one foot distant from a source of one candela, equal to one foot-candle. [SDSFIE V1.8 SI ANSI]
MDSTATIONS	physician stations [SDSFIE V1.75]
MINLAT	minutes of latitude [SDSFIE V1.75]
MOL	mole - amount of substance [SDSFIE V1.75 ISO10008-3]
N	Newton [SDSFIE V1.8 ANSI X3.50-1986 SI]
NOOPERATIONS	number of operations [SDSFIE V1.75]
OPERATEUNITS	operating units [SDSFIE V1.75]
OTHER	other [SDSFIE V1.75]
P_F_	power factor [SDSFIE V1.75]
PCI	A unit of radioactivity equal to one trillionth of a curie. [SDSFIE V1.8 SI]
PCI_D	A radioactivity emission rate equal to one trillionth of a curie in one day. [SDSFIE V1.8 SI ANSI]
PCI_L	A radioactive concentration equal to one trillionth of a curie in a liter. [SDSFIE V1.8]
PCI_MG	A radioactive concentration equal to one trillionth of a curie in a milligram. [SDSFIE V1.8 SI]
PCI_MIN	A radioactivity emission rate equal to one trillionth of a curie in one minute. [SDSFIE V1.8 SI ANSI]
PCI_ML	A radioactive concentration equal to one trillionth of a curie in a milliliter. [SDSFIE V1.8 SI]
PCT	percent [SDSFIE V1.75]
PERCENT	percent [SDSFIE V1.75]
PH	$\text{pH} = -\log_{10}[\text{H}^+]$ [SDSFIE V1.75]
PPB	parts per billion [SDSFIE V1.75]
PPL_FT2	people per square foot [SDSFIE V1.75]
PPL_MI2	people per square mile [SDSFIE V1.75]
PPM	parts per million [SDSFIE V1.75]
PPT	parts per trillion [SDSFIE V1.75]
PPTH	parts per thousand [SDSFIE V1.75]
RAIL_TRACKS	railroad tracks [SDSFIE V1.75]
RATIO	ratio [SDSFIE V1.75]



RELHUMIDITY	relative humidity [SDSFIE V1.75]
ROOMS	rooms [SDSFIE V1.75]
ROUNDS	rounds [SDSFIE V1.75]
SEATS	seats [SDSFIE V1.75]
SPACES	spaces [SDSFIE V1.75]
STALLS	stalls [SDSFIE V1.75]
STRUCTURES	structures [SDSFIE V1.75]
TBD	to be determined [SDSFIE V1.75]
TREES_A	trees per acre [SDSFIE V1.75]
UCI	A unit of radioactivity equal to one millionth of a curie. [SDSFIE V1.8 SI]
UCI_ML	A radioactive concentration equal to one millionth of a curie in a milliliter. [SDSFIE V1.8 SI]
UNITS	units [SDSFIE V1.75]
UNKNOWN	unknown [SDSFIE V1.75]
VEHICLES	vehicles [SDSFIE V1.75]
VEHICLSPACES	vehicle parking spaces [SDSFIE V1.75]
WILD_A2	wildlife per acre [SDSFIE V1.75]
WILD_FT2	wildlife per square foot [SDSFIE V1.75]
WILD_IN2	wildlife per square inch [SDSFIE V1.75]
WILD_M2	wildlife per square meter [SDSFIE V1.75]
WILD_MI2	wildlife per square mile [SDSFIE V1.75]
WILD_YD2	wildlife per square yard [SDSFIE V1.75]
XRAYROOMS	x-ray rooms [SDSFIE V1.75]

CodeUomArea

Used by Attributes:

Value	Definition (Notes) [Source]
AC	Acre - 43,560 Square Feet [SDSFIE V2.6 RPI Core Data]
ACR	Acres - 43,560 sq. feet. [SDSFIE V2.5 ANSIX3.50-1986]
ARE	Ares - 1 sq. decameter. [SDSFIE V2.5 ANSIX3.50-1986]
CM2	Square centimeters - 0.115 sq. inches. [SDSFIE V2.5 ISO10001-4]



DARE	Deciares - 11.96 sq. yards. [SDSFIE V2.5]
DM2	Square decimeters - 15.5 sq. inches. [SDSFIE V2.5 ISO10001-4]
FT2	An area equal to a square whose edge is one foot. [SDSFIE V2.5 SI ANSI]
HA	Hectares - 2.471044 acres. [SDSFIE V2.5]
IN2	An area equal to a square whose edge is one inch. [SDSFIE V2.5 SI ANSI]
KM2	Square kilometers - .3861006 sq. miles. [SDSFIE V2.5 ISO10001-4]
M2	Square meters - 10.76387 sq. feet - 1 centare. [SDSFIE V2.5 ISO10001-4]
MI2	An area equal to a square whose edge is one mile. [SDSFIE V2.5 SI ANSI]
MM2	Square millimeters - 0.00155 sq. inches. [SDSFIE V2.5 ISO10001-4]
SFT	Square feet - 144 sq. inches. [SDSFIE V2.5 ANSIX3.50-1986]
SIN	Square inches - 6.4516258 sq. cm. [SDSFIE V2.5 ANSIX3.50-1986]
SMI	Square miles - 640 acres. [SDSFIE V2.5 ANSIX3.50-1986]
SQCH	Square chains (Surveyor) - 4356 sq. feet - 16 sq. rods. [SDSFIE V2.5]
SRD	Square rods - 30.25 sq. yards. [SDSFIE V2.5 ANSIX3.50-1986]
SYD	Square yard - 0.83613 sq. meters. [SDSFIE V2.5 ANSIX3.50-1986]
YD2	An area equal to a square whose edge is one yard. [SDSFIE V2.5 SI ANSI]

CodeUseCode

Used by Attributes:

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

CodeUseType



Used by Attributes:

Value	Definition (Notes) [Source]
ABANDONED	Abandoned-inactive hcs-water line. [SDSFIE V2.1 FGDC Utilities Classification]
AIR	air [SDSFIE V1.4]
BACKFLOW	backflow preventer [SDSFIE V2.1 FGDC Utilities Classification]
BLOW_OFF	a blow-off valve [SDSFIE V2.1 FGDC Utilities Classification]
CHECK	Check Valve. [SDSFIE V2 AWWA]
CHEMICALS	chemicals [SDSFIE V1.4]
CHILLWATER	chilled water [SDSFIE V1.4]
CHW_M	Chilled Water Main: water less than 45 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
CHW_S	Chilled Water Service: water less than 45 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
CIRCULAR	Circular [SDSFIE V2.31 Air Force]
CONTROL	control valve [SDSFIE V1.4]
DEFUELING	defueling line [SDSFIE V2.1 FGDC Utilities Classification]
DISTRIB_BOX	distribution box [SDSFIE V1.4]
DRAIN	Drain [SDSFIE V2.1 FGDC Utilities Classification]
DRIP_POT	drip pot [SDSFIE V2.1 FGDC Utilities Classification]
DTW_M	Dual Temperature Main Service Supply [SDSFIE V2.1 FGDC Utilities Classification]
DTW_S	Dual Temperature Building Service Supply [SDSFIE V2.1 FGDC Utilities Classification]
FIRE	fire protection [SDSFIE V1.7]
FISH_WILD	fish and wildlife [SDSFIE V1.4]
FM	force main [SDSFIE V2.1 FGDC Utilities Classification]
FREON	freon [SDSFIE V1.4]
FUEL	Fuel [SDSFIE V2.3 Cherry Point]
GASOLINE	gasoline [SDSFIE V1.4]
GATE	Gate Valve [SDSFIE V2 AWWA]
GLOBE	Globe Valve [SDSFIE V2 AWWA]
HANDHOLE	handhole [SDSFIE V2.1 FGDC Utilities Classification]
HOTWATER	hot water [SDSFIE V1.4]
HPDRIP	High Pressure Drip [SDSFIE V2.1 FGDC Utilities Classification]
HTW_M	High Temperature Water Main: water greater that 250 deg. F [SDSFIE V2.1 FGDC Utilities Classification]



HTW_S	High Temperature Water Service: water greater than 250 deg. F [SDSFIE V2.1 FGDC Utilities Classification]
HYDRANT_PIT	hydrant control pit [SDSFIE V2.1 FGDC Utilities Classification]
HYDRO	hydropower [SDSFIE V1.4]
IRREGULAR	Irregular (not circular or rectangular) [SDSFIE V2.31 Air Force]
JUNCTION_BOX	junction box [SDSFIE V2.1 FGDC Utilities Classification]
LIQUIDFUEL	liquid fuel [SDSFIE V1.4]
LTW_M	Low Temperature Water Main: water less than 250 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
LTW_S	Low Temperature Water Service: water less than 250 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
MAIN	main line [SDSFIE V2.1 FGDC Utilities Classification]
MANHOLE	manhole [SDSFIE V2.1 FGDC Utilities Classification]
NATGAS	natural gas [SDSFIE V1.4]
NOT_APPLICABLE	Not Applicable [SDSFIE V2.31 Air Force]
OIL	oil [SDSFIE V1.4]
ORDNANCE	Ordnance. [SDSFIE V2.31 Cherry Point]
OTHER	other [SDSFIE V1.4]
OVERFLOW	directs excessive wastewater to another location [SDSFIE V1.75]
POSTINDICATOR	post indicator gate valve [SDSFIE V2 AWWA]
PRV	Pressure Reducing Valve [SDSFIE V2.1 FGDC Utilities Classification]
PULL_BOX	pull box [SDSFIE V2.1 FGDC Utilities Classification]
RAW_WATER	raw water line [SDSFIE V1.6]
RECREAT	recreation [SDSFIE V1.4]
RECTANGULAR	Rectangular [SDSFIE V2.31 Air Force]
RET_CHW_M	Chilled Water Main Return: water less than 45 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
RET_CHW_S	Chilled Water Service Return: water less than 45 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
RET_DTW_M	Dual Temperature Main Service Return [SDSFIE V2.1 FGDC Utilities Classification]
RET_DTW_S	Dual Temperature Building Service Return [SDSFIE V2.1 FGDC Utilities Classification]
RET_HTW_M	High Temperature Water Main Return: water greater than 250 deg. F [SDSFIE V2.1 FGDC Utilities Classification]
RET_HTW_S	High Temperature Water Service Return: water greater than 250 deg. F [SDSFIE V2.1 FGDC Utilities Classification]
RET_LTW_M	Low Temperature Water Main Return: water less than 250 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]



RET_LTW_S	Low Temperature Water Service Return: water less than 250 deg. F. [SDSFIE V2.1 FGDC Utilities Classification]
RET_S_M	Steam Main Return [SDSFIE V2.1 FGDC Utilities Classification]
RET_S_S	Steam Service Return [SDSFIE V2.1 FGDC Utilities Classification]
RETURN	Miscellaneous Return Line [SDSFIE V2.1 FGDC Utilities Classification]
S_M	Steam Main [SDSFIE V2.1 FGDC Utilities Classification]
S_S	Steam Service [SDSFIE V2.1 FGDC Utilities Classification]
SANITATION	sanitation sewage [SDSFIE V1.4]
SERVICE	building-facility service [SDSFIE V2.1 FGDC Utilities Classification]
SIPHON	siphon line used to transport water [SDSFIE V1.8 USGS]
SLUDGE	Sludge. [SDSFIE V2.31 Air Force]
SPRINKLER	sprinkler head [SDSFIE V1.6]
STEAM	steam [SDSFIE V1.4]
STORMWATER	storm-rainwater [SDSFIE V1.4]
TAP	line tap [SDSFIE V2.1 FGDC Utilities Classification]
TBD	to be determined [SDSFIE V1.4]
TEST_BOX	test box [SDSFIE V2.1 FGDC Utilities Classification]
TMPHOLD	temporary holding basin [SDSFIE V1.4]
UNKNOWN	Unknown [SDSFIE V2.31 Air Force]
VALVE	valve [SDSFIE V2.1 FGDC Utilities Classification]
VALVE_PIT	valve pit [SDSFIE V2.1 FGDC Utilities Classification]
VENT	vent line [SDSFIE V2.1 FGDC Utilities Classification]
VENT_PIT	vent pit [SDSFIE V2.1 FGDC Utilities Classification]
WASTEWATER	wastewater [SDSFIE V1.4]
WATER	water [SDSFIE V1.4]
WATERSUP	water supply [SDSFIE V1.4]

CodeUtilityGuyType

Used by Attributes:

Value	Definition (Notes) [Source]
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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]

CodeUtilityType

Used by Attributes:

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.

CodeValveType

Used by Attributes: [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]
POSTINDICATOR	POSTINDICATOR [AWWA]
PRV	PRV [FGDC Utilities Classification]
TAP	TAP [FGDC Utilities Classification]
OTH	Other
UNK	Unknown

CodeVerticalStructureMaterial

Used by Attributes:

Value	Definition (Notes) [Source]
ADOBE_BRICK	Brick made of adobe clay and straw, dried in the sun rather than by oven firing (as are standard bricks). Larger than standard bricks, adobe bricks require a type of clay that contains between 25 and 45 percent aluminum salts. [AIXM 5.1]
ALUMINIUM	A light silvery ductile and malleable metal, not readily tarnished by air, which is a chemical



	element, atomic number 13. (Symbol Al) [AIXM 5.1]
BRICK	Clay kneaded, molded, and baked or sun-dried, used as a building material. [AIXM 5.1]
FIBREGLASS	Any material consisting of glass filaments woven into a textile or paper, or embedded in plastic, for use as a construction or insulation material. [AIXM 5.1]
GLASS	A substance made by fusing soda and-or potash with other ingredients. Usually transparent, lustrous, hard, and brittle. [AIXM 5.1]
IRON	A malleable, magnetic, readily oxidizable metal, which is a chemical element of the transition series, atomic number 26. (Symbol Fe) Occurs abundantly in certain ores and in meteorites, and is widely used, chiefly in alloys such as steel. [AIXM 5.1]
MASONRY	Building materials (for example: stone, brick, concrete, hollow-tile, concrete block, gypsum block, or other similar building units or materials and-or combination of the same) bonded together with mortar to form a structure (for example: a wall, a pier).
MUD	Constructed principally from mud applied to a structural scaffold of plant material (for example: wooden posts). Effective only in extremely dry climates and usually must be resurfaced on a regular basis (for example: yearly) otherwise the structure stand
OTHER	Other [AIXM 5.1]
PLANT	Plant material (for example: straw and-or tall coarse grass), possibly also containing the slices of soil to which the plant material is attached. For example, used in thatching or sodding a roof. [AIXM 5.1]
PRESTRESSED_CONCRETE	Reinforced concrete in which internal stresses have been introduced to reduce potential tensile stress in the concrete resulting from loads. [AIXM 5.1]
REINFORCED_CONCRETE	Poured concrete containing steel bars or metal netting to increase its tensile strength. [AIXM 5.1]
SOD	A usually square or oblong piece or slice of earth together with the grass growing on it. [AIXM 5.1]
STEEL	Any of numerous artificially produced alloys of iron containing up to 3 per cent of other elements (including less than about 2.2 per cent carbon) and having great strength and malleability. Able to be tempered to many different degrees of hardness. Used
STONE	Pieces of rock or mineral substance (other than metal) of definite form and size, usually artificially shaped, and used for some special purpose. Used, for example, for building, for paving, or in the form of a block, slab, or pillar set up as a memorial
TREATED_TIMBER	A timber that has been impregnated with chemicals (for example: creosote oil) to reduce damage from wood rot and-or insects. Often used for the portions of a structure that are likely to be in ongoing contact with soil and-or water. [AIXM 5.1]
WOOD	The hard, compact, fibrous substance of which the roots, trunks, and branches of trees and shrubs consist. Consists largely of secondary xylem, which forms the strengthening and water-transporting tissue of the plant. [AIXM 5.1]
COMPOSITION	Composition
CONCRETE	Concrete
METAL	Metal
ROCK	ROCK
STONE_BRICK	STONE_BRICK



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]

CodeVfrPattern

Used by Attributes:

Value	Definition (Notes) [Source]
Right	Right
Left	Left
Both	Both
Unknown	Unknown



CodeVoltage

Used by Attributes: [Transformr Bank - Primary Voltage Code](#); [Pump - Pwr Reg](#); [Pump - Pwr Reg](#); [Transformr Bank - Secondary Voltage Code](#); [Substation - Volt In](#); [Substation - Volt Out](#); [Cable - Voltage](#); [Ductbank - Voltage](#); [Ductbank - Voltage](#); [Equipment - Voltage](#); [Generator - Voltage](#); [Light - Voltage](#); [Meter - Voltage](#)

Value	Definition (Notes) [Source]
110 volts	110 volts [SDSFIE V1.4]
115,000 volts	115,000 volts [SDSFIE V1.4]
115 volts	115 volts [SDSFIE V1.4]
120-240 volts	120-240 volts [SDSFIE V1.4]
12,000 volts	12,000 volts [SDSFIE V1.4]
12,000Y-6,930 volts	12,000Y-6,930 volts [SDSFIE V1.4]
120 volts	120 volts [SDSFIE V1.4]
12,470 volts	12,470 volts [SDSFIE V1.4]
12,470Y-7,200 volts	12,470Y-7,200 volts [SDSFIE V1.4]
12 volts	12 volts [SDSFIE V1.4]
13,200 volts	13,200 volts [SDSFIE V1.4]
13,200Y-7,620 volts	13,200Y-7,620 volts [SDSFIE V1.4]
138,000 volts	138,000 volts [SDSFIE V1.4]
15,000 volts	15,000 volts [SDSFIE V1.4]
15,930 volts	15,930 volts [SDSFIE V1.4]
19,920 volts	19,920 volts [SDSFIE V1.4]
20,780 volts	20,780 volts [SDSFIE V1.4]
20,780Y-12,000 volts	20,780Y-12,000 volts [SDSFIE V1.4]
208 volts	208 volts [SDSFIE V1.4]
208Y-120 volts	208Y-120 volts [SDSFIE V1.4]
220 volts	220 volts [SDSFIE V1.4]
22,860 volts	22,860 volts [SDSFIE V1.4]
22,860Y-13,200 volts	22,860Y-13,200 volts [SDSFIE V1.4]
230,000 volts	230,000 volts [SDSFIE V1.4]
230 volts	230 volts [SDSFIE V1.4]



2,400 volts	2,400 volts [SDSFIE V1.4]
240 volts	240 volts [SDSFIE V1.4]
24,940 volts	24,940 volts [SDSFIE V1.4]
24,940Y-14,400 volts	24,940Y-14,400 volts [SDSFIE V1.4]
24 volts	24 volts [SDSFIE V1.4]
27,600 volts	27,600 volts [SDSFIE V1.4]
27,600Y-15,930 volts	27,600Y-15,930 volts [SDSFIE V1.4]
277 volts	277 volts [SDSFIE V1.4]
345,000 volts	345,000 volts [SDSFIE V1.4]
34,500 volts	34,500 volts [SDSFIE V1.4]
34,500Y-19,920 volts	34,500Y-19,920 volts [SDSFIE V1.4]
400 volts	400 volts [SDSFIE V1.4]
4,160 volts	4,160 volts [SDSFIE V1.4]
4,160Y-2400 volts	4,160Y-2400 volts [SDSFIE V1.4]
43,800 volts	43,800 volts [SDSFIE V1.4]
460 volts	460 volts [SDSFIE V1.4]
4,800 volts	4,800 volts [SDSFIE V1.4]
480 volts	480 volts [SDSFIE V1.4]
480Y-277 volts	480Y-277 volts [SDSFIE V1.4]
48 volts	48 volts [SDSFIE V1.4]
500,000 volts	500,000 volts [SDSFIE V1.4]
5,000 volts	5,000 volts [SDSFIE V1.4]
52 volts	52 volts [SDSFIE V1.4]
600 volts	600 volts [SDSFIE V1.4]
69,000 volts	69,000 volts [SDSFIE V1.4]
7,200 volts	7,200 volts [SDSFIE V1.4]
7,620 volts	7,620 volts [SDSFIE V1.4]
765,000 volts	765,000 volts [SDSFIE V1.4]
7,970 volts	7,970 volts [SDSFIE V1.4]
8,320 volts	8,320 volts [SDSFIE V1.4]
other	other
to be determined	to be determined
unknown	unknown



CodeWallMaterial

Used by Attributes: [Wall - Surface Material](#)

Value	Definition (Notes) [Source]
Metal Stud	Metal Stud
CMU	Concrete Masonry Unit
Glass Curtain	Glass Curtain
Composite	Composite
Other	Other
Unknown	Unknown
Aluminum	Aluminum
Block	Block
Brick	Brick
Concrete	Concrete
Partition	Partition
Railing	Railing
Steel	Steel
Wallboard	Wallboard
Wood	Wood

CodeWallType

Used by Attributes: [Retaining Wall - Wall Type](#)

Value	Definition (Notes) [Source]
Embankment	Embankment
Other	Other
Unknown	Unknown



CodeWastewaterLineType

Used by Attributes: [Line - Type](#)

Value	Definition (Notes) [Source]
MAIN	Main
FORCE	Force
SERVICE	Service
OTHER	Other
UNKNOWN	Unknown

CodeWastewaterTankType

Used by Attributes:

Value	Definition (Notes) [Source]
DISPOSAL	disposal tank [SDSFIE V1.8]
SEPTIC_TANK	septic tank [SDSFIE V1.8]

CodeWaterTreatmentLevel

Used by Attributes:

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]

CodeWorkOrderStatus

Used by Attributes: [Work Order - workOrderStatus](#)

Value	Definition (Notes) [Source]
Open	Open
Closed	Closed

CodeWorkOrderType

Used by Attributes: [Work Order - type](#)

Value	Definition (Notes) [Source]
Preventative	Preventative
As-Needed	As-Needed
Other	Other

CodeZoneType

Used by Attributes:

Value	Definition (Notes) [Source]
5_YEAR	Areas subject to 5 year flooding.
10_YEAR	Areas subject to 10 year flooding.
15_YEAR	Areas subject to 15 year flooding.
25_YEAR	Areas subject to 25 year flooding.
50_YEAR	Areas subject to 50 year flooding.



100_YEAR	Areas subject to 100 year flooding.
500_YEAR	Areas subject to 500 year flooding.
GENERAL	Areas prone to flooding in general.
PROJECTED	Areas expected to be subject to flooding in the future.
OTHER	Other

CodeZoningClass

Used by Attributes:

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)
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)
OTHER	Other Zoning

IMDFaccess-control

Used by Attributes:

Value	Definition (Notes) [Source]
badgereader	badgereader
fingerprintreader	fingerprintreader
guard	guard
keyaccess	keyaccess
outofservice	outofservice
passwordaccess	passwordaccess
retinascanner	retinascanner
voicerecognition	voicerecognition



IMDFaccessibility

Used by Attributes:

Value	Definition (Notes) [Source]
assisted.listening	assisted.listening
braille	braille
hearing	hearing
hearingloop	hearingloop
signlanginterpreter	signlanginterpreter
tactilepaving	tactilepaving
tdd	tdd
trs	trs
volume	volume
wheelchair	wheelchair

IMDFamenity

Used by Attributes:

Value	Definition (Notes) [Source]
animalreliefarea	animalreliefarea
arrivalGate	arrivalgate
atm	atm
babyChanging	babychanging
baggageCarousel	baggagecarousel
baggageCarts	baggagecarts
baggageClaim.Oversize	baggageclaim.oversize
baggageCheck	baggagecheck
baggageStorage	baggagestorage



boardingGate	boardinggate
boardingGate.Aircraft	boardinggate.aircraft
boardingGate.Bus	boardinggate.bus
boardingGate.Ferry	boardinggate.ferry
boardinggate.train	boardinggate.train
bus	bus
bus.muni	bus.muni
bus.national	bus.national
businesscenter	businesscenter
cabin	cabin
caregiver	caregiver
carrental	carrental
cashier	cashier
changemachine	changemachine
chapel	chapel
checkin	checkin
checkin.desk	checkin.desk
checkin.desk.transfer	checkin.desk.transfer
checkin.selfservice	checkin.selfservice
childplayarea	childplayarea
coinlocker	coinlocker
copymachine	copymachine
defibrillator	defibrillator
drinkingfountain	drinkingfountain
elevator	elevator
emergencysHELTER	emergencysHELTER
entry	entry
escalator	escalator
exhibit	exhibit
faregate	faregate
faregate.oversized	faregate.oversized
firstaid	firstaid
fittingroom	fittingroom



foodservice	foodservice
groundtransportation	groundtransportation
guestservices	guestservices
hoteling	hoteling
immigration	immigration
information	information
information.bid	information.bid
information.carrental	information.carrental
information.hotel	information.hotel
information.mufid	information.mufid
information.mufid.arrivals	information.mufid.arrivals
information.mufid.departures	information.mufid.departures
information.transit	information.transit
landmark	landmark
limo	limo
lostandfound	lostandfound
mailbox	mailbox
meditation	meditation
meetingpoint	meetingpoint
mobilityrescue	mobilityrescue
mothersroom	mothersroom
movingwalkway	movingwalkway
parkandride	parkandride
parking	parking
parking.bicycle	parking.bicycle
parking.compact	parking.compact
parking.ev	parking.ev
parking.longterm	parking.longterm
parking.motorcycle	parking.motorcycle
parking.shortterm	parking.shortterm
parking.waitingarea	parking.waitingarea
payphone	payphone
pedestriancrossing	pedestriancrossing



peoplemover	peoplemover
phone	phone
phone.emergency	phone.emergency
photobooth	photobooth
police	police
powerchargingstation	powerchargingstation
privatelounge	privatelounge
productreturn	productreturn
rail.muni	rail.muni
rail.national	rail.national
ramp	ramp
recreation	recreation
restroom	restroom
restroom.family	restroom.family
restroom.female	restroom.female
restroom.male	restroom.male
restroom.transgender	restroom.transgender
restroom.unisex	restroom.unisex
rideshare	rideshare
seat	seat
security	security
security.checkpoint	security.checkpoint
security.inspection	security.inspection
service	service
shower	shower
shuttle	shuttle
sleepbox	sleepbox
smokingarea	smokingarea
stairs	stairs
storage	storage
swimmingpool	swimmingpool
swimmingpool.children	swimmingpool.children
swimmingpool.family	swimmingpool.family



taxi	taxi
ticketing	ticketing
ticketing.airline	ticketing.airline
ticketing.bus	ticketing.bus
ticketing.bus.muni	ticketing.bus.muni
ticketing.bus.national	ticketing.bus.national
ticketing.rail	ticketing.rail
ticketing.rail.muni	ticketing.rail.muni
ticketing.rail.national	ticketing.rail.national
ticketing.shuttle	ticketing.shuttle
transit	transit
unspecified	unspecified
valet	valet
vendingmachine	vendingmachine
wheelchairassist	wheelchairassist
wifi	wifi
yoga	yoga
amphitheater	amphitheater
baggageCarousel.Intl	baggageCarousel.Intl
checkin.desk.oversizebaggage	checkin.desk.oversizebaggage
fieldofplay	fieldofplay
fieldofplay.americanfootball	fieldofplay.americanfootball
fieldofplay.baseball	fieldofplay.baseball
fieldofplay.basketball	fieldofplay.basketball
fieldofplay.fieldhockey	fieldofplay.fieldhockey
fieldofplay.icehockey	fieldofplay.icehockey
fieldofplay.rugby	fieldofplay.rugby
fieldofplay.soccer	fieldofplay.soccer
fieldofplay.softball	fieldofplay.softball
fieldofplay.tennis	fieldofplay.tennis
fieldofplay.trackfield	fieldofplay.trackfield
fieldofplay.volleyball	fieldofplay.volleyball
firealarmpullstation	firealarmpullstation



fireextinguisher	fireextinguisher
library	library
reception.desk	reception.desk
smoking	smoking
strollerrental	strollerrental
studentadmissions	studentadmissions
studentservices	studentservices
vendingmachine.trainticket	vendingmachine.trainticket

IMDFbuilding

Used by Attributes:

Value	Definition (Notes) [Source]
parking	parking
unspecified	unspecified
transit	transit
transit.bus	transit.bus
transit.train	transit.train

IMDFfixture

Used by Attributes:

Value	Definition (Notes) [Source]
baggagecarousel	baggagecarousel
boardinggate.desk	boardinggate.desk
checkin.desk	checkin.desk
checkin.kiosk	checkin.kiosk
desk	desk
equipment	equipment



furniture	furniture
immigration.desk	immigration.desk
inspection.desk	inspection.desk
obstruction	obstruction
securityequipment	securityequipment
stage	stage
vegetation	vegetation
wall	wall
water	water

IMDFgeofence

Used by Attributes:

Value	Definition (Notes) [Source]
concourse	concourse
geofence	geofence
paidarea	paidarea
platform	platform
postsecurity	postsecurity
presecurity	presecurity
terminal	terminal
underconstruction	underconstruction

IMDFlevel

Used by Attributes:

Value	Definition (Notes) [Source]
arrivals	arrivals
arrivals.domestic	arrivals.domestic



arrivals.intl	arrivals.intl
departures	departures
departures.domestic	departures.domestic
departures.intl	departures.intl
parking	parking
transit	transit
unspecified	unspecified

IMDFoccupant

Used by Attributes:

Value	Definition (Notes) [Source]
accessories	accessories
appliances	appliances
artgallery	artgallery
arts.entertainment	arts.entertainment
automotive	automotive
autopartssupplies	autopartssupplies
bank	bank
beautyspas	beautyspas
beerwinespirits	beerwinespirits
booksmagazinesmusicvideo	booksmagazinesmusicvideo
cafe	cafe
cards.stationery	cards.stationery
carrental	carrental
cinema	cinema
clothing.childrens	clothing.childrens
clothing.mens	clothing.mens
clothing.womens	clothing.womens
coffee.tea	coffee.tea
cosmetics	cosmetics



departmentstore	departmentstore
drycleaninglaundry	drycleaninglaundry
education	education
eyewear.opticians	eyewear.opticians
fashion	fashion
financialservices	financialservices
florist	florist
furniturestore	furniturestore
grocery	grocery
healthcare	healthcare
hobbyshop	hobbyshop
homeandgarden	homeandgarden
hotel	hotel
jewelry	jewelry
landmark	landmark
library	library
lingerie	lingerie
localservices	localservices
luggage	luggage
nurseries.gardening	nurseries.gardening
opera.ballet	opera.ballet
performingarts	performingarts
petstore	petstore
pharmacy	pharmacy
photographystore	photographystore
postoffice	postoffice
professionalservices	professionalservices
propertymanagement	propertymanagement
publicservices.government	publicservices.government
realestate.agents	realestate.agents
realestate.services	realestate.services
restaurant	restaurant
sewingalterations	sewingalterations



shoestore	shoestore
shopping	shopping
specialtyfood	specialtyfood
sportinggoods	sportinggoods
toystore	toystore
travelservices	travelservices
veterinarian	veterinarian
watches	watches

IMDFopening

Used by Attributes:

Value	Definition (Notes) [Source]
automobile	automobile
bicycle	bicycle
emergencyexit	emergencyexit
pedestrian	pedestrian
pedestrian.principal	pedestrian.principal
pedestrian.transit	pedestrian.transit
service	service

IMDFrestriction

Used by Attributes:

Value	Definition (Notes) [Source]
employeesonly	employeesonly
restricted	restricted



IMDFsection

Used by Attributes:

Value	Definition (Notes) [Source]
arcade	arcade
baggageclaim	baggageclaim
baggageclaim.intl	baggageclaim.intl
carrental	carrental
carrental.dropoff	carrental.dropoff
checkin	checkin
concessions	concessions
dutyfree	dutyfree
eatingdrinking	eatingdrinking
entertainmentarea	entertainmentarea
entertainmentarea.game	entertainmentarea.game
entertainmentarea.music	entertainmentarea.music
entertainmentarea.performance	entertainmentarea.performance
entertainmentarea.sport	entertainmentarea.sport
exhibit	exhibit
exhibition	exhibition
gambling	gambling
gambling.baccarat	gambling.baccarat
gambling.bingo	gambling.bingo
gambling.blackjack	gambling.blackjack
gambling.craps	gambling.craps
gambling.keno	gambling.keno
gambling.mahjong	gambling.mahjong
gambling.medalgame	gambling.medalgame
gambling.minibaccarat	gambling.minibaccarat
gambling.offtrackbetting	gambling.offtrackbetting



gambling.pachinko	gambling.pachinko
gambling.paigow	gambling.paigow
gambling.poker	gambling.poker
gambling.poker.letitride	gambling.poker.letitride
gambling.poker.paigow	gambling.poker.paigow
gambling.poker.threecard	gambling.poker.threecard
gambling.poker.video	gambling.poker.video
gambling.roulette	gambling.roulette
gambling.rummy	gambling.rummy
gambling.sicbo	gambling.sicbo
gambling.slotmachine	gambling.slotmachine
gambling.slotmachine.highlimit	gambling.slotmachine.highlimit
gatearea	gatearea
gatearea.holding	gatearea.holding
immigration	immigration
immigration.schengen	immigration.schengen
information	information
parkandride	parkandride
parking	parking
parking.bicycle	parking.bicycle
parking.compact	parking.compact
parking.ev	parking.ev
parking.longterm	parking.longterm
parking.motorcycle	parking.motorcycle
parking.shortterm	parking.shortterm
parking.waitingarea	parking.waitingarea
platform	platform
postsecurity	postsecurity
presecurity	presecurity
private	private
recomposearea	recomposearea
recreation	recreation
rental	rental



retail	retail
retaildepartment	retaildepartment
road	road
seating	seating
security	security
servicearea	servicearea
ticketing	ticketing
vegetation	vegetation
walkway	walkway

IMDFunit

Used by Attributes:

Value	Definition (Notes) [Source]
auditorium	auditorium
brick	brick
column	column
concrete	concrete
conferenceroom	conferenceroom
drywall	drywall
elevator	elevator
escalator	escalator
firstaid	firstaid
fitnessroom	fitnessroom
foodservice	foodservice
footbridge	footbridge
glass	glass
huddleroom	huddleroom
kitchen	kitchen
laboratory	laboratory
library	library



lobby	lobby
mailroom	mailroom
mothersroom	mothersroom
movietheater	movietheater
movingwalkway	movingwalkway
nonpublic	nonpublic
office	office
opentobelow	opentobelow
parking	parking
phonerroom	phonerroom
platform	platform
privatelounge	privatelounge
ramp	ramp
restroom	restroom
restroom.family	restroom.family
restroom.female	restroom.female
restroom.male	restroom.male
restroom.transgender	restroom.transgender
restroom.unisex	restroom.unisex
road	road
room	room
serverroom	serverroom
shower	shower
smokingarea	smokingarea
stairs	stairs
steps	steps
structure	structure
theater	theater
unspecified	unspecified
waitingroom	waitingroom
walkway	walkway
walkway.island	walkway.island
wood	wood



fieldofplay	fieldofplay
smoking	smoking
unenclosedarea	unenclosedarea

IMDFvenue

Used by Attributes:

Value	Definition (Notes) [Source]
airport	airport
airport.intl	airport.intl
aquarium	aquarium
businesscampus	businesscampus
casino	casino
communitycenter	communitycenter
conventioncenter	conventioncenter
governmentfacility	governmentfacility
healthcarefacility	healthcarefacility
hotel	hotel
museum	museum
parkingfacility	parkingfacility
resort	resort
retailstore	retailstore
shoppingcenter	shoppingcenter
stadium	stadium
stripmall	stripmall
theater	theater
themepark	themepark
transitstation	transitstation
university	university



TrackType

Used by Attributes:

Value	Definition (Notes) [Source]
do not track	do not track
track	track

Appendix C – GIS to CAD Crosswalk

This appendix matches GIS feature classes to their corresponding CAD layers, thus providing a “crosswalk” to guide the conversion of GIS data into a CAD format and vice-versa. In many cases, features in one GIS feature class appear on one CAD layer. In other cases, GIS features in a single feature class may be split amongst multiple CAD layers based on specific GIS attribute values. Objects on CAD layers must be of a compatible geometry type to those listed below (i.e. CAD points or blocks for GIS points, CAD lines and polylines for GIS lines, and CAD closed polylines or polygons for GIS polygons). Not all CAD layers listed in SNA’s CAD Standard have a matching GIS layer, as CAD drawings often carry details (e.g. door frames on the A-DOOR-FRAM layer and window sills on the A-GLAZ-SILL layer).

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	AircraftNonMovementArea	Line			C-APRN-ANOM	Aircraft Non-Movement Area
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-APPR	Approach Lights
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-DIST	Distance and Arresting Gear Markers
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-OBST	Obstruction Lights
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-RUNW	Runway Lights
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-SIGN	Taxiway Guidance Signs
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-TAXI	Taxiway Lights
Airfield	Airfield Light	Point	lightingType		E-AFLD-LITE-THRS	Threshold Lights
Airfield	Airfield Light	Point	lightingType		E-ALRM-EQPM	Alarm System Equipment

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	AirOperationsArea	Polygon			C-AFLD-OTLN-AOA~	Air Operations Area
Airfield	AirportSign	Point	signType	HOLD_INSTRUMENT_LANDING_SYSTEM	C-TAXI-SIGN-HILS	Hold Instrument Landing System
Airfield	AirportSign	Point	signType	HOLD_RUNWAY_APPROACH	C-TAXI-SIGN-HRAP	Hold Runway Approach
Airfield	AirportSign	Point	signType	ROAD_STOP	C-ROAD-SIGN-STOP	Road Stop
Airfield	AirportSign	Point	signType	ROAD_YIELD	C-ROAD-SIGN-YILD	Road Yield
Airfield	AirportSign	Point	signType	TAXIWAY_DIRECTION	C-TAXI-SIGN-TDIR	Taxiway Direction
Airfield	AirportSign	Point	signType	TAXIWAY_END	C-TAXI-SIGN-TEND	Taxiway End
Airfield	AirportSign	Point	signType	TAXIWAY_LOCATION	C-TAXI-SIGN-TLOC	Taxiway Location
Airfield	AirportSign	Point	signType	TERMINAL	C-TAXI-SIGN-TERM	Terminal
Airfield	AirportSign	Point	signType		C-ROAD-SIGN	Signs
Airfield	AirportSign	Point	signType		C-RUNW-SIGN	Airfield Signs On The Runway Such As Distance Remaining Signs
Airfield	AirportSign	Point	signType		C-TAXI-SIGN	Airfield Signs On The Taxiway Such As Taxiway Designator, Hold Short And Directional Signs
Airfield	Apron	Polygon			C-APRN-OTLN	Airfield Apron Outline
Airfield	DisplacedThreshold	Point	pointType		C-RUNW-CNTR-DISP	Displaced Threshold Markings

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	DisplacedThreshold	Point	pointType		C-RUNW-CNTR-THRS	Threshold Markers
Airfield	FrequencyArea	Polygon			C-AFLD-OTLN-FREQ	Frequency Area
Airfield	Infield	Polygon			C-AFLD-OTLN-INFL	Airfield Infield Areas
Airfield	MarkingArea	Polygon	markingFeatureType	DIR_SIGN	C-TAXI-MRKG-DIRS	Dir Sign
Airfield	MarkingArea	Polygon	markingFeatureType	HOLD_SIGN	C-TAXI-MRKG-HLDS	Hold Sign
Airfield	MarkingArea	Polygon	markingFeatureType	LOCATION_SIGN	C-TAXI-MRKG-TLOC	Location Sign
Airfield	MarkingArea	Polygon	markingFeatureType	RWY_HOLD	C-RUNW-MRKG-RHLD	Runway Holding Line Markings
Airfield	MarkingArea	Polygon	markingFeatureType	RWY_SHD	C-RUNW-MRKG-SHLD	Shoulder Markings
Airfield	MarkingArea	Polygon	markingFeatureType	TWY_HOLD	C-TAXI-MRKG-THLD	Twy Hold
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-AMPT	Runway - Aiming Point Marking (Aiming Point)
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-ARWS	Runway - Arrowhead Marking (Arrowhead)

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-CHEV	Runway - Chevron Marking (Chevron)
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-CNTR	Runway - Centerline Marking (Rwy Cl)
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-DESG	Runway - Designated Name Marking (Rwy Id)
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-DISP	Displaced Threshold Markings
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-DIST	Fixed Distance Markings
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-EDGE	Runway - Striping
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-IDEN	Airfield Runway Annotation
Airfield	MarkingArea	Polygon	markingFeatureType		C-RUNW-MRKG-LABL	Runway Label Point
Airfield	MarkingLine	Line	designSurfaceType		C-APRN-MRKG-WALK	Apron - Walk
Airfield	MarkingLine	Line	markingFeatureType	GATE_LINE	C-APRN-MRKG-GTLN	Gate Line
Airfield	MarkingLine	Line	markingFeatureType	INTERSECTION_HOLD	C-TAXI-MRKG-HINT	Taxiway Intersection Holding Marking

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	MarkingLine	Line	markingFeatureType	NON_MOVE_AREA	C-TAXI-MRKG-NOMV	Non Move Area
Airfield	MarkingLine	Line	markingFeatureType	TWY_CL	C-TAXI-MRKG-CNTR	Centerline Markings
Airfield	MarkingLine	Line	markingFeatureType	TWY_SHD	C-TAXI-MRKG-SHLD	Shoulder Markings
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-CNTR	Apron Centerlines
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-GSEP	Ground Service Equipment
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-INGZ	Aircraft - Ingestion Zone
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-LDIN	Apron - Lead In Line
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-OTHL	Other Line
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-OTHP	Other Polygon
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-PBBZ	Apron - Passenger Boarding Bridge Zone
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-PLBE	

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-PLBH	
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-PLBS	
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-SBAR	Apron - Stopbar
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-SECU	Security Zone Markings
Airfield	MarkingLine	Line	markingFeatureType		C-APRN-MRKG-SENV	Apron - Service Envelope
Airfield	PassengerLoadingBridge	Polygon			C-AFLD-JETB	Passenger Boarding Bridge
Airfield	Restricted Access Boundary	Line			C-AFLD-LMTA-PERI	Security Perimeter Line
Airfield	Restricted Access Boundary	Line			C-AFLD-LMTA-RSTR	Military Restricted Access Boundary
Airfield	Restricted Access Boundary	Line			C-AFLD-LMTA-SECA	Airfield Security Area
Airfield	Restricted Access Boundary	Line			C-AFLD-LMTA-SIDA	Security Identification Display Area
Airfield	Restricted Access Boundary	Line			C-AFLD-LMTA-STER	Airfield Sterile Area

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	Runway	Polygon			C-RUNW-EDGE	Civil Runway Edge
Airfield	Runway	Polygon			C-RUNW-OTLN	Airfield Runway Edges
Airfield	Runway Arresting Area	Polygon			C-RUNW-OTLN-ARST	Runway Arresting Gear Location
Airfield	Runway Blast Pad	Polygon			C-RUNW-BLST	Civil Runway
Airfield	RunwayBlastPad	Polygon			C-RUNW-OTLN-BLST	Blast Pad And Stopway Markings
Airfield	RunwayCenterline	Line			C-RUNW-LINE	Centerlines
Airfield	RunwayElement	Polygon			C-RUNW-OTLN-SEGM	Runway Segment
Airfield	RunwayEnd	Point			C-RUNW-CNTR-ENDP	Runway Endpoint
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	BRL	C-AFLD-DSRF-BLDR	Airfield Design Surface - Building Restriction Line (BRL)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	ITOFZ	C-AFLD-DSRF-ITOFZ	Airfield Design Surface - Inner Transitional Obstacle Free Zone (ITOFZ)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	ITOFZ	C-AFLD-DSRF-TOFZ	Airfield Design Surface - Inner Transitional Obstacle Free Zone (ITOFZ)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	NMOV	C-AFLD-DSRF-NMOV	Airfield Design Surface - Aircraft Non-Movement Area



GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	POFA	C-AFLD-DSRF-POFA	Airfield Design Surface - Precision Object Free Area (POFA)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	POFZ	C-AFLD-DSRF-POFZ	Airfield Design Surface - Precision Runway Obstacle Free Zone (POFZ)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	PRSVFR	C-AFLD-DSRF-PVFR	Airfield Design Surface - PRSVFR
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	ROFA	C-AFLD-DSRF-ROFA	Airfield Design Surface - Runway Object Free Area (ROFA)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	RPTZ	C-AFLD-DSRF-RPTX	Airfield Design Surface - Runway To Parallel Taxiway And Taxiline Separation (RWYPTX)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	RPZ	C-AFLD-DSRF-RPZ	Airfield Design Surface - Runway Protection Zone (RPZ)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	RSA	C-AFLD-DSRF-RSA	Airfield Design Surface - Runway Safety Area (RSA)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	TOFA	C-AFLD-DSRF-TOFA	Airfield Design Surface -Taxiway and Taxilane Object Free Area (TOFA)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	TSA	C-AFLD-DSRF-TSA	Airfield Design Surface - Threshold Sighting Area (TSA)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	TSS	C-AFLD-DSRF-TSS	Airfield Design Surface - Threshold Sighting Surface (TSS)
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType	TXSA	C-AFLD-DSRF-TXSA	Airfield Design Surface - Taxiway Safety Area (TXSA)

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airfield	RunwayHelipadDesignSurface	Polygon	designSurfaceType		C-OVRN-CNTR	Civil Vehicle Overrun Center
Airfield	RunwayIntersection	Polygon			C-RUNW-OTLN-INTS	Civil Transportation Runway Outline
Airfield	RunwayLabel	Point			C-RUNW-LABL-BOTM	Runway Label Marking Point
Airfield	RunwayLabelPolygon	Polygon			C-RUNW-LABL	Runway Intersection
Airfield	RunwayLAHSO	Line			C-RUNW-LINE-LAHS	Runway Land And Hold Short Area
Airfield	RunwaySafetyAreaBoundary	Polygon			C-RUNW-SAFT	Runway Safety Area
Airfield	Shoulder	Polygon	shoulderType		C-RUNW-PVMT-SHLD	Runway Pavement Area, Shoulder
Airfield	Shoulder	Polygon	shoulderType		C-RUNW-SHLD	Shoulder Markings
Airfield	Stopway	Polygon			C-RUNW-OTLN-STWY	Runway Stopway Markings
Airspace	FlightTrackLine	Line			C-AIRS-ARWY	Airway
Airspace	FlightTrackLine	Line			C-AIRS-TRKL	Flight Track Line
Airspace	FlightTrackPoint	Point			C-AIRS-TRKP	Flight Track Point
Airspace	Obstacle	Point			C-AIRS-OBST-LINE	Obstruction Line

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airspace	Obstacle	Point			C-AIRS-OBST-PPNT	Obstacle Point
Airspace	Obstruction Area	Polygon			C-AIRS-OBST-POLY	Obstruction Area
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType	APRC77	C-AIRS-OBSC-APRC	FAR Part 77 Approach Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType	CONL77	C-AIRS-OBSC-CONL	FAR Part 77 Conical Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType	HORZ77	C-AIRS-OBSC-HORZ	FAR Part 77 Horizontal Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-DPRT	Departure Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-OEI_	One Engine Inoperative Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-OTHR	Other Airspace Surfaces
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-PRIM	FAR Part 77 Primary Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-TERP	TERPS Surfaces
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-TRNS	FAR Part 77 Transitional Surface

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-VAPR	Vertically Guided Approach Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-VCON	Vertically Guided Conical Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-VHOR	Vertically Guided Horizontal Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-VPRM	Vertically Guided Runway Primary Surface
Airspace	Obstruction Identification Surface	Polygon	oisSurfaceType		C-AIRS-OBSC-VTRN	Vertically Guided Approach Transitional Surface
Cadastral	Easements And Rights of Ways	Polygon			C-PROP-ESMT	Civil Property Easement
Cadastral	Lease Zone	Polygon			A-PROP-LEAS	Architectural Property Lease
Cadastral	Lease Zone	Polygon			C-PROP-LEAS	Civil Property Lease
Environmental	Environmental Contamination Area	Polygon			H-POLL-CONC	Hazardous Materials Concrete
Environmental	Environmental Contamination Area	Polygon			H-POLL-POTN	Hazardous Materials
Environmental	Flora Species Site	Point			L-PLNT-TREE	Landscape Plant And Landscape Material Trees
Environmental	Forest Stand Area	Polygon	habitatCategory		L-DETL-GRAS	Landscape Detail

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Environmental	Forest Stand Area	Polygon	habitatCategory		L-PLNT-BEDS	Landscape Plant And Landscape Material Perennial And Annual Beds
Environmental	Forest Stand Area	Polygon	habitatCategory		L-PLNT-BUSH	Landscape Plant And Landscape Material Bushes And Shrubs
Environmental	Forest Stand Area	Polygon	habitatCategory		L-PLNT-GRND	Landscape Plant And Landscape Material Ground
Environmental	Forest Stand Area	Polygon	habitatCategory		L-PLNT-MLCH	Landscape Plant And Landscape Material Mulches-Organic And Inorganic
Environmental	Forest Stand Area	Polygon	habitatCategory		L-PLNT-TURF	Landscape Plant And Landscape Material Lawn Areas
Environmental	Hazardous Material Storage Site	Point			H-STOR-HAZM	Hazardous Material Sample
Environmental	Hazardous Material Storage Site	Point			H-STOR-HAZW	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-AIRS	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-BIOL	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-BLDG	Building Material Samples (E.G., Asbestos, Lead, Pcb, Etc.)
Environmental	Sample Collection Point	Point			H-SAMP-GWTR	Hazardous Materials
Environmental	Sample Collection Point	Point			H-SAMP-MAGN	Magnetometer Location Points
Environmental	Sample Collection Point	Point			H-SAMP-SEDI	Hazardous Material Sample

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Environmental	Sample Collection Point	Point			H-SAMP-SOIL	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-SOLI	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-SWTR	Hazardous Material Sample
Environmental	Sample Collection Point	Point			H-SAMP-WAST	Hazardous Material Sample
Environmental	Shoreline	Polygon	shorelineType		S-GRDL-WATR	Structural Water Supply
Geodetic	AirportControlPoint	Point	pointType	AIRPORT_ELEVATION	C-TOPO-CNTR-GENL	Airport Elevation
Geodetic	AirportControlPoint	Point	pointType	PACS	C-TOPO-CNTR-GEOD	Geodetic Control - Primary Airport Control Station (PACS)
Geodetic	AirportControlPoint	Point	pointType	SPOT_ELEVATION	C-TOPO-CNTR-SPOT	Spot Elevations
Geodetic	AirportControlPoint	Point	pointType		C-TOPO-CNTR-IDEN	Spot Elevations - Annotation
Geodetic	Coordinate Grid Area	Polygon			S-GRID-MSD	Structural Grids
Geodetic	Coordinate Grid Area	Polygon			S-GRID-MSD2	Structural Grids
Geodetic	Coordinate Grid Area	Polygon			S-GRID-MSD3	Structural Grids
Geodetic	Coordinate Grid Area	Polygon			S-GRID-MSD4	Structural Grids
Geodetic	CoordinateGridCell	Polygon			G-GRID-COOR	X-Y Coordinate Grid Lines

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Geodetic	CoordinateGridCell	Polygon			G-PROJ-LALO-COOR	Latitude/Longitude Coordinate Grid Ticks
Geodetic	CoordinateGridCell	Polygon			G-PROJ-LALO-IDEN	Latitude/Longitude Coordinate Text
Geodetic	CoordinateGridCell	Polygon			G-PROJ-STAT-IDEN	State Plane Coordinate Text
Geodetic	ElevationContour	Line			C-TOPO-MAJR	Major Contours
Geodetic	ElevationContour	Line			C-TOPO-MINR	Minor Contours
Interior	Door	Line			A-DOOR	Doors
Interior	Elevator	Polygon			A-FLOR-EVTR	Elevator Cars And Related Equipment
Interior	Escalator	Polygon			A-FLOR-EVTR-ECSL	Escalator and Related Equipment
Interior	FlooringMaterial	Polygon			I-FLOR-FNSH	Interior Design Floor Finishes
Interior	Furnishing	Point			A-CLNG-FIXT	Ceiling Fixtures
Interior	Furnishing	Point			I-FURN-ACCS	Accessories (Vestibule Matts, Partitions, Draperies, Clocks, Trash Cans, Lecturns, Lamps, Etc.)
Interior	Furnishing	Point			I-FURN-ADPC	Automated Data Processing Components
Interior	Furnishing	Point			I-FURN-ARTW	Artwork

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Interior	Furnishing	Point			I-FURN-FREE	Free-Standing Furnishings (Desks, Beds, Tables, Dressers, Credenzas, Casegoods)
Interior	Furnishing	Point			I-FURN-GRID	Planning Grid/Modular Outline
Interior	Furnishing	Point			I-FURN-PLNT	Plants
Interior	Furnishing	Point			I-FURN-SEAT	Seating (Chairs, Sofas, Etc.)
Interior	Furnishing	Point			I-FURN-STOR	File Cabinets, High Density Storage, Shelving, Storage Cabinets
Interior	InteriorSign	Point			I-SIGN-FIXT	Interior Furnishings Sign Fixtures
Interior	MaintenanceResponsibility Area	Polygon			I-AREA-OTLN-MNTN	Interior Maintenance Area
Interior	MovingSidewalk	Polygon			A-FLOR-EVTR-MWLK	Moving Walkways And Related Equipment
Interior	Space	Polygon			I-AREA-OTLN	Interior Area
Interior	Wall	Polygon			A-WALL-FULL-EXTR	Exterior Full Height Walls
Interior	Wall	Polygon			A-WALL-FULL-INTR	Interior Full Height Walls
Interior	Wall	Polygon			A-WALL-PRHT	Partial Height Walls
Interior	Wall	Polygon			A-WALL-TPTN	Toilet Partitions
Interior	Wall	Polygon			S-FNDN-ANCH	Anchor Piles, Blocks, Strands, Deadmen, Soil/Rock Anchors

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Interior	Window	Line			A-GLAZ-PANL	Glass Panel
Life_Safety	AutomatedExternalDefibrillator	Point			I-EQPM-DEVC-DFIB	Automatic Electronic Defibrillators
Life_Safety	FireCabinet	Point			F-PROT-STOR	Fire Suppression Fire Protection System Storage
Life_Safety	FireControlPanel	Point			F-PROT-PANL	Fire Suppression Fire Protection System Panels
Navigational_Aids	NavaidCriticalArea	Polygon			C-AFLD-NAID-CRIT	Navigational Aid - Critical Area
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	ARSR	C-AFLD-NAID-ASRS	Navigational Aid - ARSR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	ASR	C-AFLD-NAID-ASR~	Navigational Aid - ASR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	DF	C-AFLD-NAID-DF~~	Navigational Aid - Direction Finding Equipment (DF)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	DME	C-AFLD-NAID-DME~	Navigational Aid - Direction Measuring Equipment (DME)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	FM	C-AFLD-NAID-FANM	Navigational Aid - Fan Marker (FM)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	FMH	C-AFLD-NAID-FANH	Navigational Aid - FMH
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	GS CE	C-AFLD-NAID-GSCE	Navigational Aid - Glide Slope (GS) CE

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	GS EF	C-AFLD-NAID-GSEF	Navigational Aid - Glide Slope (GS) EF
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	GS NR	C-AFLD-NAID-GSNR	Navigational Aid - Glide Slope (GS) NR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	GS SB	C-AFLD-NAID-GSSB	Navigational Aid - Glide Slope (GS) SB
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	LOC	C-AFLD-NAID-LOC~	Navigational Aid - Localizer
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	MLSAZ	C-AFLD-NAID-MLSZ	Navigational Aid - MLSAZ
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	MSBLS-AZ	C-AFLD-NAID-MSBA	Navigational Aid - MSBLS AZ
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	MSBLS-DME	C-AFLD-NAID-MSBD	Navigational Aid - MSBLS DME
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	MSBLS-EL	C-AFLD-NAID-MSBL	Navigational Aid - MSBLS EL
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	MTI	C-AFLD-NAID-MTI~	Navigational Aid - Moving Target Indicator (MTI)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	NDB/C	C-AFLD-NAID-NDBC	Navigational Aid - Non-Directional Beacon (NDB) C
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	NDB/H	C-AFLD-NAID-NDBH	Navigational Aid - Non-Directional Beacon (NDB) H

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	NDB/M	C-AFLD-NAID-NDBM	Navigational Aid - Non-Directional Beacon (NDB) M
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	NDB/U	C-AFLD-NAID-NDBU	Navigational Aid - Non-Directional Beacon (NDB) U
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	PAR	C-AFLD-NAID-PAR~	Navigational Aid - PAR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	SDF	C-AFLD-NAID-SDF~	Navigational Aid - SDF
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	SECRA	C-AFLD-NAID-SCRA	Navigational Aid - SECRA
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	TACAN	C-AFLD-NAID-TACN	Navigational Aid - TACAN
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	TDR	C-AFLD-NAID-TDR~	Navigational Aid - TDR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	TLS-APGS	C-AFLD-NAID-TLSY	Navigational Aid - TLS -Apgs
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	VISUAL	C-AFLD-NAID-VISI	Navigational Aid - Visual
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	VOR	C-AFLD-NAID-VOR~	Navigational Aid - VOR
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	VORTAC	C-AFLD-NAID-VORT	Navigational Aid - Vortac

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType	VOT	C-AFLD-NAID-VOT~	Navigational Aid - VOT
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-BECN	Navigational Aid - Nondirectional Radio Beacon - Compass Locator, High Frequency, Medium Hf, Ultra Hf
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-BECN	Navigational Aid - Airfield Beacon
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-COMM	Navigational Aid - Communication
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-GENL	Navigational Aid - Direction Finding Equipment (Df), Fan Marker, Fan Marker Located With A Radio Beacon, Moving Target Indicator Reflector, Simplified Directional Facility (Sdf), Touchdown Reflector
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-GPS_	Navigational Aid - GPS
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-GPS_	Navigational Aid - Global Positioning System (GPS)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-ILS_	Navigational Aid - Instrument Landing System (ILs)
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-ILS_	Navigational Aid - Instrument Landing System (ILS)

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-ILSY	Navigational Aid - Distance Measuring Equipment (DME), Glide Slope Capture Effect, Glide Slope End Fire, Glide Slope Null Reference, Glide Slope Side Band, Localizer
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-ILSY	Navigational Aid - Airfield Navigational Aid Distance Measuring Equipment (DME), Glide Slope Capture Effect, Glide Slope End Fire, Glide Slope Null Reference, Glide Slope Side Band, Localizer
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MCWV	Navigational Aid - Microwave
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MISC	Navigational Aid - Miscellaneous
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MISC	Navigational Aid - Windcones and Beacons
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MLSR	Navigational Aid - MLSR Lights
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MLSY	Navigational Aid - Microwave Landing System Azimuth Antenna, Microwave Landing System Dme, Microwave Landing System Elevation Antenna
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MLSY	Navigational Aid - Airfield Navigational Aid Microwave Landing System Azimuth Antenna,



GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
						Microwave Landing System Dme, Microwave Landing System Elevation Antenna
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-MSBL	Navigational Aid - Microwave Scan Beam Landing System Azimuth Antenna, Microwave Scan Beam Landing System Distance Measuring Equipment, Microwave Scan Beam Landing System Elevation Antenna
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-OMNI	Navigational Aid - Tactical Air Navigation, Vhf Omni Directional Range, Vor And Collocated Tacan, Vor Test Facility
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-OMNI	Navigational Aid - Airfield Navigational Aids Tactical Air Navigation, Vhf Omni Directional Range, Vor And Collocated Tacan, Vor Test Facility
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-OTHR	Navigational Aid - Other
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-OTHR	Navigational Aid - Other Airfield Navigational Aides
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-PARD	Navigational Aid - Airfield Navigational Aids Precision Approach Radar
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RADI	Navigational Aid - Radio

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RADI	Navigational Aid - Radio Airfield Navigational Aides
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RADR	Navigational Aid - Radar, Air Route Surveillance Radar (Arshr), Airport Surveillance Radar (Asr), Precision Approach Radar, Secondary Radar Antenna
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RADR	Navigational Aid - Radar Airfield Navigational Aides
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-REIL	Navigational Aid - Faa Reils Equipment, Airfield Reil Lights
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RMTE	Navigational Aid - Remote
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RMTE	Navigational Aid - Remote Airfield Navigational Aides
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-RWSL	Navigational Aid - Faa RwsL Equipment
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-SDFC	Navigational Aid - Airfield Navigational Aids Simplified Directional Facility
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-STRB	Navigational Aid - Strobe
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-SYST	Navigational Aid - System

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-SYST	Navigational Aid - Navaid System
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-TLSY	Navigational Aid - Transponder Landing System Approach Glideslope, Localizer
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-VORX	Navigational Aid - Airfield Navigational Aids VHF Omnidirectional Range Test Facility
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-WIND	Navigational Aid - Windcone
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-NAID-WTHR	Navigational Aid - Weather Equipment
Navigational_Aids	NavaidEquipment	Point	navaidEquipmentType		C-AFLD-OTLN-AHOA	Navigational Aid - Weather
Navigational_Aids	NavaidSite	Polygon			C-AFLD-NAID-SITE	Navigational Aid - Airfield Navigational Aid - Site
Reference	AnnoDims	Line			A-ANNO-DIMS	Witness/Extension Lines, Dimension Terminators, Dimension Text
Reference	AnnoPoint	Point			A-ANNO-SYMB	Miscellaneous Symbols
Reference	AnnoPolygon	Polygon			A-ANNO-PATT	Patterning, Poche, Shading, And Hatching
Reference	AnnoText	Point			A-ANNO-TEXT	Miscellaneous Text And Callouts With Associated Leaders
SeaPlane	NavigationBuoy	Point			S-SIGN-BUOY	Sign Buoys

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Structures	ArtWork	Point			I-FURN-FIXT-ART	Interior Furnishings Furnishings Fixtures
Structures	Building	Polygon			C-BLDG-OTLN	Building Outlines
Structures	Construction Area	Polygon			P-STAT-TEMP	Plumbing Temporary
Structures	Construction Area	Polygon			S-STAT-FUTR	Structural
Structures	Construction Area	Polygon			S-STAT-TEMP	Structural Temporary
Structures	Fence	Line			L-DETL-FENC	Landscape Detail Fences
Structures	Fence	Line			L-SITE-FENC	Landscape Site Features Fences
Structures	Gate	Line			L-SITE-GATE	Landscape Site Features
Structures	Gate	Line			C-GATE-LINE	Gates Incidental To Structure
Structures	ProjectArea	Polygon			C-LOCN-OTLN-PROJ	Civil Site Limits Of Construction Outline
Structures	SignPole	Point			C-SIGN-POLE	Civil Site Sign Poles
Structures	StagingArea	Polygon			C-LOCN-OTLN-STAG	Civil Site Limits Of Construction Outline
Structures	Tower	Point			C-BLDG-TOWR	Tower
Structures	Tower	Point			C-STRC-TOWR	Civil Towers
Surface_Transportation	Bollard	Point			C-ROAD-BOLL	Bollard

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Surface_Transportation	Bridge	Polygon	bridgeType	ROAD	C-ROAD-BRDG-ROAD	Road
Surface_Transportation	Bridge	Polygon	bridgeType		C-BRDG-OTLN	Bridge Outline
Surface_Transportation	Bridge	Polygon	bridgeType		C-ROAD-BRDG	Bridge Outlines
Surface_Transportation	CurbEdge	Line			C-ROAD-CURB	Curbs And Gutters
Surface_Transportation	DrivewayArea	Polygon			C-ROAD-DRIV	Driveway Edge Of Pavement
Surface_Transportation	GuardRail	Line			C-TRAF-GRAL	Civil Transportation Traffic Guard Rail
Surface_Transportation	Parking Lot	Polygon			C-PRKG-ISLD	Parking Island
Surface_Transportation	Parking Lot	Polygon			C-PRKG-OTLN	Parking Area Outline
Surface_Transportation	Railroad Yard	Polygon			C-RAIL-YARD	Civil Railroad
Surface_Transportation	Road Centerline	Line			C-ROAD-CNTR	Civil Roadways Center
Surface_Transportation	Road Point	Point			C-ROAD-POIN	Road Point

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Surface_Transportation	RoadSegment	Polygon			C-ROAD-OTLN	Road Outlines
Surface_Transportation	Sidewalk	Polygon			L-SITE-WALK	Landscape Site Features
Surface_Transportation	Sidewalk	Polygon			C-TRAF-SWLK	Walks, Trails And Bicycle Paths
Surface_Transportation	Transit Stop	Point			C-TRAF-CNTR-STOP	Bus Stop
Surface_Transportation	Tunnel	Polygon			L-SITE-TUNL	Landscape Site Features
Utilities	TankSite	Polygon			L-DETL-TKST	Tank Site
Utilities	Utility Line	Line			L-DETL-WIRE	Landscape Detail Wiring
Utilities	Utility Line	Line			M-AFRZ-WAST	Mechanical
Utilities	Utility Line	Line			M-CNDW-PIPE	Mechanical Condenser Water Systems Piping
Utilities	Utility Line	Line			M-COND-PIPE	Mechanical Piping
Utilities	Utility Line	Line			M-CONT-PIPE	Mechanical Controls And Instrumentation Piping
Utilities	Utility Line	Line			M-DETL-PIPE	Mechanical Detail Piping
Utilities	Utility Line	Line			M-DETL-WIRE	Mechanical Detail Wiring
Utilities	Utility Line	Line			M-GTHP-PIPE	Mechanical Piping

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities	Utility Line	Line			M-HTCW-ABND	Mechanical
Utilities	Utility Line	Line			M-HTCW-CHLL	Mechanical
Utilities	Utility Line	Line			M-HTCW-CHLS	Mechanical
Utilities	Utility Line	Line			M-HTCW-HTPL	Mechanical
Utilities	Utility Line	Line			M-HTCW-HTPS	Mechanical
Utilities	Utility Line	Line			M-HTCW-LTPL	Mechanical
Utilities	Utility Line	Line			M-HTCW-LTPS	Mechanical
Utilities	Utility Line	Line			M-HTCW-STML	Mechanical
Utilities	Utility Line	Line			M-HTCW-STMS	Mechanical
Utilities	Utility Line	Line			M-HYDR-PIPE	Mechanical Hydraulic Structure Piping
Utilities	Utility Line	Line			M-INSL-PIPE	Mechanical Piping
Utilities	Utility Line	Line			M-LUBE-PIPE	Mechanical Piping
Utilities	Utility Line	Line			M-RWTR-PIPE	Mechanical Piping
Utilities	Utility Line	Line			M-STEM-PIPE	Mechanical Steam System Piping
Utilities	Utility Line	Line			P-CMPA-PIPE	Plumbing Compressed / Processed Air Systems Piping
Utilities	Utility Line	Line			P-FUEL-FGAS	Plumbing Fuel Systems
Utilities	Utility Line	Line			P-FUEL-FOIL	Plumbing Fuel Systems

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities	Utility Line	Line			P-MDGS-PIPE	Plumbing Medical Gas Systems Piping
Utilities	Utility Line	Line			E-DUCT-MULT	Multi-Conductor Cable
Utilities	Utility Point	Point			L-DETL-VLVE	Landscape Detail
Utilities	Utility Point	Point			M-DETL-BOIL	Mechanical Detail
Utilities	Utility Point	Point			M-DETL-COIL	Mechanical Detail
Utilities	Utility Point	Point			M-DETL-DUCT	Mechanical Detail Ductwork
Utilities	Utility Point	Point			M-DETL-EQPT	Mechanical Detail
Utilities	Utility Point	Point			M-DETL-FANS	Mechanical Detail
Utilities	Utility Point	Point			M-DETL-PUMP	Mechanical Detail Pumps
Utilities	Utility Point	Point			M-DETL-TANK	Mechanical Detail Storage Tanks
Utilities	Utility Point	Point			M-DETL-TRAP	Mechanical Detail
Utilities	Utility Point	Point			M-DETL-VENT	Mechanical Detail Vents
Utilities	Utility Point	Point			M-DETL-VLVE	Mechanical Detail
Utilities	Utility Point	Point			M-HTCW-CHLP	Mechanical
Utilities	Utility Point	Point			M-HTCW-HTPP	Mechanical
Utilities	Utility Point	Point			M-HTCW-JBOX	Mechanical Junction Box
Utilities	Utility Point	Point			M-HTCW-PITS	Mechanical

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities	Utility Point	Point			M-HTCW-PUMP	Mechanical Pumps
Utilities	Utility Point	Point			M-HTCW-RTRN	Mechanical
Utilities	Utility Point	Point			M-HVAC-DAMP	Mechanical Hvac Systems
Utilities	Utility Point	Point			M-HYDR-EQPM	Mechanical Hydraulic Structure Equipment
Utilities	Utility Point	Point			S-GRAT-SUBS	Structural Sub-Surface Areas
Utilities	Utility Point	Point			S-PIPE-GATE	Structural Piping
Utilities	Utility Point	Point			E-SERT-UNDR	Security System
Utilities	UtilityLine	Line			F-AFFF-PIPE	Aqueous Film-Forming Foam System Piping
Utilities	UtilityLine	Line			F-CO2S-PIPE	Co2 Piping Or Co2 Discharge Nozzle Piping
Utilities	UtilityLine	Line			F-PROT-HOSE	Fire Hoses
Utilities	UtilityLine	Line			F-SPRN-PIPE	Sprinkler Piping
Utilities	UtilityLine	Line			F-WATR-PIPE	Piping
Utilities	UtilityLine	Line			M-CONT-WIRE	Low Voltage Wiring
Utilities	UtilityLine	Line			P-LGAS-PIPE	Piping
Utilities	UtilityLine	Line			P-SANR-COND	Condensate Piping
Utilities	UtilityLine	Line			P-SANR-PIPE	Piping
Utilities	UtilityLine	Line			P-SANR-VENT	Vent Piping

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities	UtilityPoint	Point			E-LITE-EMER	Emergency Fixtures (Outline Of Light (If Ceiling Mounted) Should Go On E-Lite-CIng)
Utilities	UtilityPoint	Point			E-LITE-EXIT	Exit Fixtures (Outline Of Light (If Ceiling Mounted) Should Go On E-Lite-CIng)
Utilities	UtilityPoint	Point			F-AFFF-EQPM	Aqueous Film-Forming Foam System Equipment
Utilities	UtilityPoint	Point			F-CO2S-EQPM	Equipment
Utilities	UtilityPoint	Point			F-CTRL-PANL	Control Panels
Utilities	UtilityPoint	Point			F-LITE-EXIT	Exit Fixtures
Utilities	UtilityPoint	Point			F-LSFT-EGRE	Egress Requirements Designator
Utilities	UtilityPoint	Point			F-WATR-CONN	Fire Department Connections
Utilities	UtilityPoint	Point			F-WATR-HYDR	Hydrants
Utilities	UtilityPoint	Point			F-WATR-PUMP	Fire Pumps
Utilities	UtilityPoint	Point			H-DISP-TANK	Spill Containment Tanks
Utilities	UtilityPoint	Point			M-CONT-THER	Thermostats
Utilities	UtilityPoint	Point			M-GTHP-EQPM	Geothermal Heat Pump System Equipment
Utilities	UtilityPoint	Point			M-HTCW-DEVC	Rigid Anchors, Anchor Guides, Rectifiers, Reducers, Markers, Meters, Pumps, Regulators, Tanks, And Valves
Utilities	UtilityPoint	Point			M-INSL-EQPM	Insulating Oil Equipment

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities	UtilityPoint	Point			M-LUBE-EQPM	Lubrication Oil Equipment
Utilities	UtilityPoint	Point			M-MATL-LIFT	Miscellaneous Lifting Equipment
Utilities	UtilityPoint	Point			M-RWTR-EQPM	Raw Water Equipment
Utilities	UtilityPoint	Point			P-LGAS-EQPM	Equipment
Utilities	UtilityPoint	Point			P-MDGS-EQPM	Equipment
Utilities	UtilityPoint	Point			P-SANR-EQPM	Equipment (E.G., Sand/Oil/Water Separators)
Utilities	UtilityPoint	Point			P-SANR-FLDR	Floor Drains, Sinks, And Cleanouts
Utilities	UtilityPoint	Point			S-BRCG-VERT	Vertical Bracing
Utilities_Air	CompressedAirPipeLine	Line			M-CMPA-EQPM	Compressed Air Equipment
Utilities_Communications	CommAccessCoverageArea	Polygon			E-COMM-COVR-AREA	Electrical Telecommunications Communications Coverage
Utilities_Communications	CommCableTrayLine	Line			E-CABL-TRAY	Cable Trays And Wireways
Utilities_Communications	CommEquipment	Point			E-COMM-EQPM	Other Communications Distribution Equipment
Utilities_Communications	CommFiberopticLine	Line			E-COMM-FIBR	Electrical Telecommunications Communications Fiber Optics Cable
Utilities_Communications	CommLineOfSightLine	Line			E-COMM-LOSL	Line Of Sight Line

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_Communications	CommLoadCapacitor	Point			E-COMM-LCAP	Load Capacitor
Utilities_Communications	CommLoadCoilPoint	Point			E-COMM-LCOL	Load Coil
Utilities_Communications	CommManhole	Point			E-COMM-MHOL	Communications Manhole
Utilities_Communications	CommMediaConverter	Point			E-COMM-MCNV	Media Converter
Utilities_Communications	CommMultihopArea	Polygon			E-COMM-MHOP	Multihop Polygon Area
Utilities_Communications	CommPathNode	Point			E-COMM-PATH-SITE	Path Node Site
Utilities_Communications	CommPathSegmentLine	Line			E-COMM-PATH-SLIN	Path Segment Line
Utilities_Communications	CommPedestal	Point			E-COMM-PEDS	Pedestal Site
Utilities_Communications	CommRadarSite	Point			E-COMM-RADR	Radar Site
Utilities_Communications	CommRadio	Point			E-COMM-RADI	Radio
Utilities_Communications	CommRadioReceiver	Point			E-COMM-RADI-RCVR	Radio Receiver Site

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_Communications	CommRadioTransmitter	Point			E-COMM-RADI-TRNS	Radio Transmitter Site
Utilities_Communications	CommVaultSite	Point			E-COMM-VALT	Vault Site
Utilities_Communications	CommVerticalSite	Point			E-COMM-VSIT	Vertical Site
Utilities_Communications	CommVoiceSwitch	Point			E-COMM-VOIC	Voice Switch Site
Utilities_Communications	CommWaveguideLine	Line			E-COMM-WAVG	Waveguide Line
Utilities_Deicing	DeicingCulvertCenterline	Line			M-GLYC-CULV-LINE	Culvert Line
Utilities_Deicing	DeicingCulvertEnd	Point			M-GLYC-CULV-SITE	Culvert Site
Utilities_Deicing	DeicingDrainageBasin	Polygon			M-GLYC-DRAN-BASN	Deicing Drainage Basic
Utilities_Deicing	DeicingFitting	Point			M-GLYC-FTTG	Fitting
Utilities_Deicing	DeicingGlycolRecoveryPit	Point			M-GLYC-REVR	Recovery Pit
Utilities_Deicing	DeicingLine	Line			M-GLYC-RETN-PIPE	Glycol System Return Piping

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_Deicing	DeicingLine	Line			M-GLYC-SPLY-PIPE	Glycol System Supply Piping
Utilities_Deicing	DeicingPumpStation	Point			M-GLYC-STAT-PUMP	Pump Station
Utilities_Deicing	DeicingReservoir	Point			M-GLYC-RESV	Reservoir Point
Utilities_Deicing	DeicingValve	Point			M-GLYC-EQPM-VLVE	Valve
Utilities_Electrical	ElectricalCable	Line			E-PRIM-OVHD	Overhead Electrical Utility Lines
Utilities_Electrical	ElectricalCable	Line			E-SECD-OVHD	Overhead Electrical Utility Lines
Utilities_Electrical	ElectricalCapacitor	Point			E-POWR-CAPC	Capacitor
Utilities_Electrical	ElectricalGenerator	Point			E-POWR-GENR	Generators And Auxiliary Equipment
Utilities_Electrical	ElectricalHeadBoltOutlet	Point			E-POWR-HBLT	Head Bolt Outlet
Utilities_Electrical	ElectricalJunction	Point			E-POWR-PANL	Panelboards, Switchboards, Mcc, Unit Substations, Backing Boards, Patch Panel Racks
Utilities_Electrical	ElectricalMeter	Point			E-POWR-METR	Meter

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_Electrical	ElectricalMotor	Point			E-POWR-MOTR	Motors And Utilization Equipment
Utilities_Electrical	ElectricalPedestal	Point			E-POWR-PEDS	Pedestal
Utilities_Electrical	ElectricalPoleGuyConnect Point	Point			C-POLE-GUYP	Guy Line Anchor Point
Utilities_Electrical	ElectricalPoleGuyLine	Line			C-POLE-GUYL	Guy Line
Utilities_Electrical	ElectricalPoleGuyLine	Line			E-POWR-POLE-GUYS	Guying Equipment
Utilities_Electrical	ElectricalPoleTower	Point			E-COMM-POLE	Poles
Utilities_Electrical	ElectricalPoleTower	Point			E-POWR-POLE	Power Poles
Utilities_Electrical	ElectricalRegulator	Point			E-POWR-REGL	Regulator
Utilities_Electrical	ElectricalSplice	Point			E-POWR-SPLC	Splice
Utilities_Electrical	ElectricalSwitch	Point			E-POWR-SWCH	Fuse Cutouts, Motor Starters, Contactors, Pole Mounted Switches, Circuit Breakers, Gang Operated Disconnects, Reclosers, Cubicle Switches

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_Electrical	ElectricalTransformerVault	Point			E-ELEC-VALT	Electrical Power Electrical System, Telecom Plan Vault & Pits
Utilities_Electrical	ElectricalUtilitySite	Point			E-POWR-SITE	Utility Electric Utility Site
Utilities_EMCS	EnergyCtrMonDevice	Point			E-EMCS-UNDR	Buried Sensors
Utilities_HCS	HeatCoolFitting	Point			M-HTCW-FTTG	Caps And Flanges
Utilities_HCS	HeatCoolFitting	Point			M-HVAC-FTTG	Fitting
Utilities_HCS	HeatCoolLine	Line			M-HVAC-ABND-PIPE	Abandoned Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-CWTR-MAIN	Main Chilled Water Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-CWTR-SERV	Chilled Water Service Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-HWTR-MAIN	Main High Temperature Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-HWTR-SERV	High Temperature Service Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-LINE	Mechanical Hvac Hvac Systems Lines
Utilities_HCS	HeatCoolLine	Line			M-HVAC-LWTR-MAIN	Main Low Temperature Piping

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_HCS	HeatCoolLine	Line			M-HVAC-LWTR-SERV	Low Temperature Service Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-RETN	Return Ductwork
Utilities_HCS	HeatCoolLine	Line			M-HVAC-RETN-CNTR	Return Ductwork Centerlines
Utilities_HCS	HeatCoolLine	Line			M-HVAC-RETN-HDUC	Return Ductwork - High Pressure
Utilities_HCS	HeatCoolLine	Line			M-HVAC-RETN-LDUC	Return Ductwork - Low Pressure
Utilities_HCS	HeatCoolLine	Line			M-HVAC-RETN-PIPE	Geothermal Heat Pump System Return Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-SPLY	Supply Ductwork
Utilities_HCS	HeatCoolLine	Line			M-HVAC-SPLY-CNTR	Supply Ductwork Centerlines
Utilities_HCS	HeatCoolLine	Line			M-HVAC-SPLY-PIPE	Geothermal Heat Pump System Supply Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-STEM-MAIN	Main Steam Piping
Utilities_HCS	HeatCoolLine	Line			M-HVAC-STEM-SERV	Steam Service Piping
Utilities_HCS	HeatCoolMeter	Point			M-HVAC-METR	Meter

GIS Data Set	GIS Feature Class	Geometry Type	GIS Attribute	GIS Attribute Value	CAD Layer	Layer Description
Utilities_HCS	HeatCoolPump	Point			M-HVAC-STNS-PUMP	Pump Stations
Utilities_HCS	HeatCoolValve	Point			M-HVAC-PITS	Valve Pits/Vaults, Steam Pits
Utilities_HCS	HeatCoolVault	Polygon			M-HVAC-VALT	Mechanical Hvac Hvac Systems Vault & Pits



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