

Utilities Data Content Standard  
Appendix C: Utilities Attributes  
(Normative)

Facilities Working Group  
Federal Geographic Data Committee

May 1999

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Acquired Date		I		The date on which the subject item was originally acquired or purchased. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
Actual Plant Capacity Volume		R		The maximum treatment capacity of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
Actual Plant Flow Rate		R		The measured peak flow rate of the water treatment plant when installation has been completed and it is operating under normal inflow and demand conditions.
Actual Plant Flow Volume		R		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.
Actual Pump Capacity Volume		R		The measured capacity of the pump operating under actual normal head and flow conditions.
Aerator Indicator Code	value list - boolean	C	16	Indicates whether or not the vault or lagoon has aerators. (yes/no)
Aerator Power Rating Amount		D		The power rating for the aerator, usually in terms of horse power (hp).
Alarm High Level Dimension		D		The elevation in the wetwell that triggers an alarm indicating no additional storage capacity.
Alarm Low Level Dimension		D		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.
Altitude Valve Code	value list - boolean	C	16	Indicates whether or not the tank has an altitude valve which controls the flow into the tank? (yes or no).
Amp Rate		S		The maximum continuous current rating of the meter.
Analysis Date		I		Date on which water quality analyses were performed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
Anchor Attachment Type Text		C	15	The type of anchor attachment to the pole or tower.
Anchor Type Discriminator	discriminator - hcs anchor	C	16	Discriminator. This value differentiates similar entities by use or type.
Anchor Type Text		C	15	The type of anchor used with this guy.
Anode Weight		R		The initial weight of the anode or anode packet.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Area Size Unit Measure Code	unit of measure	C	16	The unit of measure for area.
Automatic Transfer Switch Code	value list - boolean	C	16	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
Average Depth Dimension		D		The average depth of containment measured from normal operating pool.
Average Drainage Lateral Slope Angle		D		The average slope of all drainage laterals.
Bank Armor Type Code	hydrography - bank armor lining	C	16	The type of channel armor used.
Base Elevation Dimension		D		The elevation of the discharge point of the downspout in feet (English units) or meters (SI units) above some datum.
Basic Insulation Level Rating Code	value list - BIL kv	C	16	The insulators basic insulation level rating.
Bedding Material Code	hydrography - bed material	C	16	The type of bedding material beneath the channel armor.
Booster Design Discriminator	discriminator - pump sta	C	16	Discriminator. The design of the pump/booster station.
Bottom Slope Percent		D		The slope of the bottom of the subject item expressed as a percentage.
Bottom Width Dimension		D		The bottom width of the armor measured along the base of the armor.
Branch Name Code		C	12	An operator generated identifier that is a unique site specific name or number designation of a branch or isolated area of a natural gas distribution system.
Bypass Code	value list - boolean	C	16	Indicates whether or not the treatment plant has a bypass line? (yes or no).
Cable Diameter Dimension		D		The nominal diameter of the cable.
Cable Diameter Unit Measure Code	unit of measure	C	16	The unit of measure of the diameter.
Cable Dimension Code	dimension list - electric cable	C	16	The cable dimension.
Cable Group Voltage Code	value list - voltage	C	16	The system voltage applied to the cable group.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Cable Installation Type Discriminator	discriminator - electric cable	C	16	Discriminator. This value differentiates similar entities by use or type.
Cable Length Dimension		D		The overall cable length.
Cable Material Code	material list - electric cable	C	16	The material composition of the cable.
Cable Mounting Configuration Type Code	type list - electric config	C	16	The cable mounting configuration on the pole or tower.
Cable Quantity		S		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.
Cable Sheath Type Code	type list - sheath insulate	C	16	The type of cable sheathing or insulation.
Cable Tensile Force		D		The tensile force applied to the guy cable.
Cable Type Code	type list - electric cable	C	16	The type of cable connecting the devices.
Cable Type Discriminator	discriminator - electric cable	C	16	Discriminator. This value differentiates similar entities by use or type.
Cable Use Code	use list - electric cable	C	16	The use or purpose of the cable group.
Capacitor Voltage Code	value list - voltage	C	16	The system voltage across the capacitor.
Capacity Alarm Level Volume		D		Capacity alarm level.
Capacity Measure Code	unit of measure	C	16	The unit of measure for rate capacity data (e.g., gallons per minute).
Capacity Unit Measure Code	unit of measure	C	16	The unit of measure for capacity data (e.g., gallons).
Capacity Volume		D		Storage capacity of the subject item (e.g., gallons, ft3, etc).
Capped Code	value list - boolean	C	16	Indicates whether or not the pole is capped (yes/no).
Centerline Dimension		R		The elevation measured at centerline of the pump, in feet (English units) or meters (SI units) above some datum.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Channel Length Dimension		R		The overall length of the open channel.
Channel Reach Name		C	20	An operator generated identifier for the reach of an open channel.
Channel Style Code	style list - open channel	C	16	The style or geometric configuration of the channel
Circuit Number Amount		S		The total number of circuits that are being fed by the substation.
Classification Code	type list - pole classification	C	16	A classification of the pole diameter, and consequently the breaking strength, of wooden poles.
Complex Power Capacity Rate		C	12	The limit of the complex power which the demand meter can record.
Compressed Air System Fitting Code	discriminator - comp air fitting	C	16	The type of fitting used for the compressed air unit.
Connection Design Code	discriminator - fire connection	C	16	Discriminator. This value differentiates fire connections by use or type.
Constant Amount		I		The multiplication factor by which one must multiply the difference in present and previous meter readings to determine actual power consumed.
Constructed Date		I		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)
Contents Descriptive Text		C	20	Separator contents
Control Centerline Dimension		D		The elevation at the centerline of the flow control device, in feet (English units) or meters (SI units) above some datum.
Control Type Code	type list - electric control	C	16	The method of adjusting the kilovar output of the capacitor.
Cooling Capacity Amount		R		The plant's rated capacity (e.g., tons), which signifies the peak constant cooling ability of the plant.
Cooling Capacity Unit Measure Code	unit of measure	C	16	The unit of measure for cooling capacity.
Cooling Method Code	method list - equipment cooling	C	16	The method by which the item is cooled.
Cooling Type Code	method list - equipment cooling	C	16	The type of method used for temperature control.

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Cross Dikes Code	value list - boolean	C	16	An indicator whether cross dikes exists in the subject item or not (yes or no).
Current Output Amount		D		The output direct current from the rectifier to the anode system.
Current Unit Measure Code	unit of measure	C	16	The unit of measure used for the electrical current.
Customer Name		C	20	The name of the individual, company, or government agency served by the subject item.
Decibel Loss Quantity		D		Loss of a signal over a conductor expressed in decibels.
Depth Dimension		D		The depth below the ground surface or cover measured from the top of the subject item.
Description Code	type list - wastewater tank	C	16	This value differentiates similar entities by use or type.
Design Capacity Volume		D		The design flow capacity of the subject item.
Diameter Code	value list - pipe diameter	C	16	The manufacturer's nominal diameter.
Diameter Dimension		D		The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
Diameter Unit Measure Code	unit of measure	C	16	The unit of measure used for dimensions.
Digital Input Number Amount		I		The total number of digital-in ports on the device.
Digital Output Number Amount		I		The total number of digital-out ports on the device.
Dimension Unit Measure Code	unit of measure	C	16	The units of measure for the length.
Discharge Point Ground Dimension		D		The elevation of the ground surface at the discharge point, in feet (English units) or meters (SI units) above some datum.
Discriminator Tank Type Code	style list - tank	C	16	Discriminator: This value differentiates similar entities by use or type.
Disposal Description Text		C	30	Brief description of how the waste is disposed.
Disposition Code	disposition list - object	C	16	The status of the subject item (e.g., permanent, temporary, proposed, abandoned, etc.), from lists or entered from field inspections.

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Distribution Box Code	value list - boolean	C	16	Indicates whether or not a distribution box exists for the subject item. (yes or no)
Distribution Box Invert Elevation Dimension		D		The invert elevation of the inside bottom of the distribution box.
Downspout Dimension		R		The length of the downspout, measured from highest point to its discharge point.
Drain Type Code	type list - drain	C	16	The type of subject item drain.
Drainage Basin Area		D		The size of the area, zone, or polygon in square units.
Drainage Design Discriminator	discriminator - open channel	C	16	Discriminator. This value differentiates similar entities by use or type.
Drainage Lateral Average Length Dimension		D		The mean or average length of the drainage laterals.
Drainage Lateral Total Length Dimension		D		The total (sum) length of all drainage laterals.
Drainage Pattern Code	hydrography - drainage pattern	C	16	The drainage pattern of the material surrounding the feature.
Drainage Pipe Material Texture Code	hydrography - drainage density	C	16	The texture of the material surrounding the feature.
Drying Bed Diameter Dimension		D		The inside diameter of the sludge bed, measured from the interior wall surface to the opposite interior wall surface.
Ductbank Size Code	size list - ductbank	C	16	A two dimensional description of the physical size of the ductbank including units of measure (e.g., 2 ft x 2 ft, 3 m x 3 m).
Ductbank Voltage Code	value list - voltage	C	16	The maximum voltage in the ductbank.
Ducts Quantity		S		An indicator of the number of conduits or wireways found in the ductbank.
Electric Meter Type Code	type list - electric meter	C	16	A label describing the features of the electrical system that the meter is measuring.
Electrical Capacitor Unit Measure Code	unit of measure	C	16	The unit of measure used for the electrical capacitor.
Electrical Ductbank Identifier		C	20	Foreign Key. An operator generated identifier used locally to identify a ductbank.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Electrical External Lighting Type Code	discriminator - external light	C	16	Discriminator - Various kinds of mounts for external lights.
Electrical Generator Type Code	type list - generator	C	16	Discriminator: This value differentiates similar entities by use or type.
Electrical Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Electrical Junction Use Code	discriminator - electric manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Electrical Meter Use Code	use list - electric device	C	16	An indication of the type of service the meter is monitoring.
Electrical Motor Type Code	type list - motor	C	16	A label representing the name of a certain category of motors in which the motor fits based on common features of construction with other motors in the same category.
Electrical Regulator Use Code	use list - electric device	C	16	An indication of whether the regulator is on a line or in a substation.
Electrical Substation Identifier		C	20	Foreign Key. An operator generated identifier locally used to identify the substation feeding this bus group.
Electrical Substation Type Code	type list - substation	C	16	A label indicating the type of service that the substation performs (e.g. distribution substation, facility substation).
Electrical Switch Rate		S		The maximum continuous amount of current to which the switch should be subjected.
Electrical Switch Type Code	type list - electric switch	C	16	A label chosen from a standard list of labels indicating the characteristics of a switch.
Electrical Switching Cubicle Identifier		C	20	A locally assigned switching cubicle number or designator.
Electrical Transformer Bank Identifier		C	20	Foreign Key. An operator generated identifier locally used to identify a specific transformer bank.
Electrical Transformer Vault Identifier		C	20	Foreign Key. An operator generated identifier locally used to identify a specific transformer vault.
Elevation Level For 1st Pump/Valve Dimension		D		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.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Elevation Level For 2nd Pump/Valve Dimension		D		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 (English units) or meters (SI units) above some
Elevation Level Pumps Off Dimension		D		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.
Elevation Unit Measure Code	unit of measure	C	16	The unit of measure for elevation, usually feet (ft) or meters (m).
Elevation Value Dimension		D		The elevation of the pressure regulator, measured at the regulator centerline.
Enclosure Type Code	type list - electric motor encl	C	16	The type of enclosure used to protect the feature.
End Date		I		The date the project was actually completed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
Energy Control Monitoring Cable Identifier		C	20	Foreign Key. Used to link to the cable table.
Energy Control Monitoring Ductbank Identifier		C	20	Foreign Key. An operator generated identifier used locally to identify a ductbank.
Energy Control Monitoring Junction Code	discriminator - emcs junc	C	16	The code that represents the type of Junction.
Engine Horsepower Code		S		The power rating of the prime mover of the generator in horsepower.
Engine Model Name		C	20	The engine Model, Product, Catalog, or Item Number.
Engine Serial Number Code		C	20	The engine serial number.
Expansion Loop Code	value list - boolean	C	16	The expansion loop of the heating and cooling system.
Exterior Width Dimension		D		The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
Facility Identifier		C	20	Foreign Key. Used to link the record to the Facility Record.
Facility Number Identifier		C	20	The organization specific identification code from Army's IFS-M, Air Force's WIMS, or Navy's Property Record Code Number.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Feature Name		C	12	The site specific identification name or number assigned to the subject item.
Feeder Number Text		C	20	An operator generated identifier locally used to identify the feeder to the transformer bank.
Field Drain Style Code	style list - drain field	C	16	The style of field drain system indicating the configuration and layout of the drain lines.
Fire Hydrant Classification Code	class list - fire hydrant	C	16	The hydrant classification according to their rated capacity according to the National Fire Protection Association.
First Transformer Capacity Volume		I		The capacity of the first transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
Fitting Depth Dimension		D		The depth below the ground surface or cover measured from the top of the subject item.
Fitting Diameter Dimension		D		The inside, or interior, diameter of the fitting.
Fitting Dimension		D		The elevation measured at centerline of the fitting, in feet (English units) or meters (SI units) above some datum.
Fitting Length Dimension		D		The overall length of the fitting.
Fitting Width Dimension		D		The width dimension of the subject item measured at its' widest point.
Fixture Height Dimension		D		The height of the fixture above a given reference, usually the grounds surface.
Fixture Use Code	use list - gas fixture	C	16	The use or purpose of the gas fixture.
Flood Area		D		Flood flow area
Flood Depth Dimension		D		The average depth of the specific flood.
Flood Dimension		D		The average flood elevation.
Flood Flow Rate		D		The flow rate of the flood based on the flow elevation.
Flood Frequency Amount		D		The statistical reoccurring frequency of the flood measured in years up to the probable maximum flood (PMF). Typical values are 5-yr, 10-yr, 25-yr, 50-yr, 100-yr, 500-yr, etc.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Flood Zone Local Name Code	hydrography - drainage zone	C	16	Local name of assigned hydrographic drainage zones.
Flow Capacity Volume		D		The flow capacity of the subject item.
Flow Rate		D		The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
Flow Test Date		I		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).
Flow Unit Measure Code	unit of measure	C	16	The unit of measure for rate capacity data (e.g., gallons per minute).
Flow Width Dimension		D		The top flow width.
Frame Type Configuration Code	type list - substation frame	C	16	The substation structural frame configuration.
Frequency Unit Measure Code	unit of measure	C	16	The unit of measure for frequency.
From X Coordinate		D		The x component of individual beginning coordinate point.
From Y Coordinate		D		The y component of individual beginning coordinate point.
From Z Coordinate		D		The z component of individual beginning coordinate point.
Fuel Anode Test Station Type Code	type list - anode test station	C	16	The type of anode test station configuration use.
Fuel Fitting Type Code	type list - fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Gas Source Code	source list - fuel gas	C	16	The source of fuel for the subject item.
Fuel Junction Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Fuel Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Fuel Junction Use Code	discriminator - fuel manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Fuel Line Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Fuel Line Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Line Use Code	discriminator - fuel pipe	C	16	Discriminator. This value differentiates similar entities by use or type.
Fuel Meter Type Code	type list - fuel meter	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Oil & Water Separator Type Code	type list - oil/water separator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Pump Booster Station Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Fuel Pump Booster Station Type Code	discriminator - pump sta	C	16	The type of station.
Fuel Pump Identifier		C	20	Foreign Key. A unique, user defined identifier for each record or instance of an entity.
Fuel Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Fuel Regulator Reducer Type Code	discriminator - regulator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Source Code	source list - fuel gas	C	16	The source of fuel for the pumps.
Fuel System Source Identifier		C	20	Foreign Key. Used to link the fuel pipe record to an optional source.
Fuel System Source Type Code	type list - fuel source	C	16	A discriminator indicating the kind, class, or group of the subject item.
Fuel Tank Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Fuel Tank Use Code	use list - tank	C	16	The particular kind or use of the tank.
Fuel Type Code	type list - fuel gas	C	16	The type of fuel or gas dispensed, carried, used or otherwise handled by the subject item.

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<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Fuel Valve Identifier		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
Fuel Valve Use Code	use list - valve	C	16	The site specific use of the valve.
Fuse Rate Quantity		S		The current rating of the fuse protecting the regulator. This will be on the primary side.
Fuse Type Code	type list - electric switch	C	16	A label chosen from a standard list of labels describing the characteristics of the fuse.
Gate Class Type Code	style list - gates	C	16	The particular kind, class, or group of gate.
Gate Code	discriminator - culvert	C	16	Discriminator. The type of gate.
Gate Width Dimension		D		The width dimension of the subject item, measured from opposite inside faces.
General Markers Type Code	type list - utility	C	16	A discriminator indicating the kind, class, or group of the subject item.
General Pole & Tower Location Code	type list - pole/tower	C	16	A discriminator indicating the kind, class, or group of the subject item.
General Pole & Tower Location Identifier		C	20	Foreign Key. An operator generated identifier used to uniquely identify the subject item.
General Utilities Area		D		The size of the area, zone, or polygon in square units.
Generator Complex Power Rate		S		The rating of the complex power that the generator creates.
Generator Hertz Rating Code	value list - hertz	C	16	The frequency of the electrical signal that the generator creates.
Generator Number of Phases Quantity		S		The number of phases to which this device provides reactive power.
Generator Real Power Rate		S		The rating of the real power that the generator creates.
Generator Voltage Code	value list - voltage	C	16	The potential of the electrical energy that the generator creates.
Grade Unit Measure Code	unit of measure	C	16	The unit of measure for grade.

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Graphic Feature Link		I		Graphic Key. A system-generated integer that is used to link the record to graphic entities. Do not populate this field.
Grit Chamber Storage Capacity Volume		R		The grit chamber overall storage capacity.
Grit Chamber Type Code	value list - boolean	C	16	An indicator as to whether or not the subject item has a grit chamber. (yes or no)
Grit Chamber Storage Capacity Volume		R		The grit chamber overall storage capacity.
Grit Type Code		C	12	The predominate type of grit collected in the grit chamber.
Ground Elevation 1 Dimension		D		The elevation of the ground surface at node_id_1, in feet (English units) or meters (SI units) above some datum.
Ground Elevation 2 Dimension		D		The elevation of the ground surface at node_id_2, in feet (English units) or meters (SI units) above some datum.
Ground Elevation Dimension		D		The elevation of the ground surface in feet (English units) or meters (SI units) above some datum.
Grounded Code	value list - boolean	C	16	An indicator as to whether or not the pole is grounded. (yes or no)
Group Conductor Quantity		S		The total number of ungrounded conductors in the cable.
Group Conductor Size Code	dimension list - electric cable	C	16	The size of a single ungrounded conductor in the cable group in American Wire Gauge (AWG) units.
Group Insulation Material Code	type list - sheath insulate	C	16	The type of material with which the conductors are insulated from each other and from their surroundings.
Group Material Composition Code	material list - electric bus	C	16	The material composition of the electrical bus group.
Group Neutral Conductor Size Code	dimension list - electric cable	C	16	The size of a single neutral conductor in American Wire Gauge (AWG) units.
Group Number of Neutral Conductors Quantity		S		The total number of grounded conductors in a ductbank.
Group Number of Phases Quantity		S		The number of phases routed by this cable group.

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ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Group Reactance Amount		R		The reactance of the bus provided by the manufacturer.
Group Resistance Amount		R		The resistance of the bus provided by the manufacturer.
Group Voltage Code	value list - voltage	C	16	The voltage of the bus group.
Guy Design Discriminator	discriminator - utility guy	C	16	Discriminator. This value differentiates similar entities by use or type.
Guy Type Code	type list - utility guy	C	16	The configuration of the guy construction.
Head Units Unit Measure Code	unit of measure	C	16	The unit of measure for pressure head.
Heating and Cooling Anode Test Station Type Code	type list - anode test station	C	16	The type of anode test station configuration use.
Heating and Cooling Fitting Location Type Code	discriminator - hcs fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Heating and Cooling Junction Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Heating and Cooling Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Heating and Cooling Junction Use Code	discriminator - h/c manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Heating and Cooling Meter Location Type Code	type list - water meter	C	16	A discriminator indicating the kind, class, or group of the subject item.
Heating and Cooling Pipe Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Heating and Cooling Pipe Location Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Heating and Cooling Pipe Location Use Code	discriminator - hcs pipe	C	16	Discriminator. This value differentiates similar entities by use or type.

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Heating and Cooling Plant Identifier		C	20	Foreign Key. The site specific unique identification name or number of the energy plant.
Heating and Cooling Plant Type Code	discriminator - hcs plant	C	16	A discriminator indicating the kind, class, or group of the subject item.
Heating and Cooling Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Heating and Cooling Regulator Type Code	type list - regulator	C	16	The kind, class, or group of the subject item.
Heating and Cooling Valve Use Code	discriminator - valve	C	16	The site specific use of the valve.
Heating Capacity Amount		R		The plant's rated capacity (e.g. boiler_hp), which signifies the peak constant heating ability of the plant.
Heating Capacity Unit Measure Code	unit of measure	C	16	The unit of measure for heating capacity.
Height Dimension	unit of measure	C	16	The unit of measure for height.
High Pressure Rate		D		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.
High Water Dimension		D		The high water or overflow elevation of the storage tank at the pumping station, in feet (English units) or meters (SI units) above some datum.
Horsepower Rate		D		The output power rating of the motor in units of horsepower.
Horsepower Unit Measure Code	unit of measure	C	16	The unit of measure for horse power.
Hydrant Design Discriminator	discriminator - hydrant	C	16	Discriminator. This value differentiates similar entities by use or type.
Hydrant Dimension		D		The elevation of the hydrant, measured at the hydrant outlet, in feet (English units) or meters (SI units) above some datum.

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Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Hydrant Measure Type Code	type list - diameter measure	C	16	This attribute provides information concerning the basis for the subject item's inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
Hydrant Outlet 1 Diameter Dimension		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of one of the hydrant outlets.
Hydrant Required Fire Flow Rate		D		The code or regulation required fire flow rate from a fire hydrant or fire flow connection.
Hydrant Size Unit Measure Code	unit of measure	C	16	The unit of measure for size.
Hydrant Type Code	type list - hydrant	C	16	The particular kind, class, or group of hydrant.
Hydrographic Drainage Zone Code	hydrography - drainage zone	C	16	Local name of assigned hydrographic drainage zones.
Impedance Measure Amount		D		The overall device resistance measured in ohms.
Impedance Unit Measure Code	unit of measure	C	16	The unit of measure for impedance.
Industrial Waste Fitting Location Type Code	discriminator - waste fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Junction Identifier		C	20	Foreign Key. An operator generated identifier use to locally identify the subject item.
Industrial Waste Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Industrial Waste Junction Use Code	discriminator - ind wast manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Industrial Waste Lagoon Type Code	type list - lagoon	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Lagoon Use Code	value list - boolean	C	16	An indicator as to whether or not the lagoon is used for industrial wastewater. (yes or no)
Industrial Waste Line Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Industrial Waste Line Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Industrial Waste Line Use Code	discriminator - wastewater line	C	16	Discriminator. This value differentiates similar entities by use or type.
Industrial Waste Meter Location Type Code	type list - water meter	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Neutralizer Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole/pit for the subject utility.
Industrial Waste Oil & Water Separator Code	type list - oil/water separator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Pump Identifier		C	20	Foreign Key. A unique, user defined identifier for each record or instance of an entity.
Industrial Waste Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Pump Use Code	use list - pump	C	16	The particular application, or use of the subject item.
Industrial Waste Pumping Station Ejector Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Industrial Waste Pumping Station Ejector Type Code	type list - station	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Tank Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Industrial Waste Tank Use Code	use list - tank	C	16	The particular kind or use of the industrial waste water tank.
Industrial Waste Treatment Plant Code	type list - treatment plant	C	16	A discriminator indicating the kind, class, or group of the subject item.
Industrial Waste Treatment Plant Identifier		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
Industrial Waste Valve Use Code	use list - valve	C	16	The particular application, or use the subject item.
Industrial Waste Water Discharge Code	type list - effluent discharge	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Industrial Waste Water Discharge Identifier		C	20	Foreign Key. An operator generated identifier used locally to reference the discharge identification for the subject item.
Inlet Diameter Dimension		D		The diameter of the hydrant inlet connection.
Inlet Gas Line Pressure Rate		D		The design gas system pressure in the line on inlet side of the pressure regulator.
Inlet Pressure Rate		D		The design fuel system pressure in the line on inlet side of the pressure regulator.
Inlet Step Domain Discriminator	discriminator - inlets	C	16	Discriminator. This value differentiates similar entities by use or type.
Inlet Style Code	style list - inlet	C	16	Discriminator: This value differentiates similar entities by use or type.
Input Voltage Code	value list - voltage	C	16	The input AC voltage to the rectifier.
Inside Width Dimension		D		The width dimension of the subject item, measured from opposite inside faces.
Installation Date		I		The date on which the subject item was originally installed. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915).
Installation Type Code	discriminator - installation	C	16	Discriminator. This value differentiates similar entities by use or type.
Insulation Classification Code	type list - electric motor insul	C	16	The classification of the motor's insulation.
Insulation Type Code	type list - sheath insulate	C	16	The type of insulation covering the conductor.
Interior Diameter Dimension		D		The inside, or interior, diameter of the fitting.
Interior Tank Area		D		The interior surface area of the tank.
Internal Meter Code	value list - boolean	C	16	An indicator as to whether or not the rectifier has an internal meter, yes/no.
Invert Elevation Average Dimension		D		The average elevation at the bottom of the lagoon or reservoir.
Invert Elevation Dimension		D		The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
Invert Elevation Node 1 Dimension		D		The elevation of the bottom of the item at node_id_1 in feet (English units) or meters (SI units) above some datum.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Invert Elevation Node 2 Dimension		D		The elevation of the bottom of the item at node_id_2 in feet (English units) or meters (SI units) above some datum.
Item Condition Code	condition list - object	C	16	The condition of the subject item when last inspected.
Junction Status Code	status list - manhole	C	16	The status of the manhole indicating its' usability.
Laboratory Name Code	name list - laboratory	C	16	The name of the laboratory primarily responsible for completing the required tests for the subject item.
Laboratory Type Code	type list - laboratory	C	16	The type of the laboratory primarily responsible for completing the required tests for the subject item.
Lagoon Area		D		The overall surface measurement within the limits of the lagoon facility (e.g., within fence or building).
Lagoon Pipe Outlet Code	value list - boolean	C	16	An indicator as to whether or not the lagoon has pipe outlets. (yes or no)
Lagoon Width Dimension		D		The average width dimension of the lagoon, measured from top of opposite side slopes.
Last Inspection Date		I		Date of last inspection or modification of the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
Laterals Average Diameter Dimension		D		The average diameter of all drainage laterals
Laterals Diameter Unit Measure Code	unit of measure	C	16	The unit of measure for the laterals diameter length.
Laterals Total Diameter Dimension		D		The total diameter of all drainage laterals
Length Dimension		R		The overall length of the armor protection.
Length Unit Measure Code	unit of measure	C	16	The unit of measure for length.
Line Location Type Code	type list - pipeline location	C	16	The location of the pipeline in relevance to the earth's surface.
Lined Code	value list - boolean	C	16	An indicator as to whether the pipe is lined or not (yes/no).
Liner Type Code	type list - manhole liner	C	16	The type of liner used if the pit/manhole is used for neutralizing chemicals.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Loose Buffered Indicator Code	value list - boolean	C	16	An indicator as to whether or not the cable is loose buffered (yes/no).
Low Pressure Rate		D		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
Managing Agency Code		C	15	The regulator agency that monitors inflow, containment, and discharge for the subject item.
Managing Office Code		C	12	The managing office/organization.
Manhole Accessible Boolean Value Code	value list - boolean	C	16	An indication as to whether or not is part of a manhole or has access via a manhole (yes/no).
Manhole Air Relief Valve Code	value list - boolean	C	16	Indicates whether or not there is an air relief valve installed on subject item? (yes/no)
Manhole Diameter Dimension		D		The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
Manhole Floor Elevation Dimension		D		The height (or depth) of the bottom of the manhole measured from grade.
Manhole Liner Type Code	type list - manhole liner	C	16	The type of liner used if the pit/manhole is used for neutralizing chemicals.
Manhole Neutralization Agent Name		C	30	The chemical agent in the pit which chemically neutralizes the in stream reactant.
Manhole Number of Pipes Quantity		S		The number of the pipes entering and exiting the subject item.
Manhole Number of Valves Quantity		S		The number of valves inside the subject item.
Manhole Reactance Amount		C	30	The chemical in the incoming waste stream being neutralized.
Manhole Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Manufacture Date		I		The date of manufacturer for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
Manufacturer Name		C	20	Foreign Key. An operator generated identifier used to identify the item manufacturer.

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Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Marker Tape Code	value list - boolean	C	16	Location marker tape or wire is installed above underground pipe to facilitate locating with a magnetometer? (yes or no).
Material Code	material list - pipe	C	16	An indication of the type of material of which the duct is composed.
Material Composition Code	material list - pipe	C	16	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
Material Value Code	material list - pipe	C	16	The material composition of the subject item, such as wood, concrete, steel, cast iron, plastic, etc.
Maximum Continuous Power Rate		R		The maximum continuous amount of complex power that the substation can provide.
Maximum Grade Angle		D		The maximum or steepest grade in the drainage basin.
Maximum Outlet Design Pressure Rate		D		The design or maximum system pressure in the line on outlet side of the pressure reducing station.
Maximum Pressure Rate		D		The manufacturer's or industry standard's maximum pressure rating of the subject item.
Maximum Temperature		D		The manufacturer's or industry standard's maximum temperature rating of the subject item.
Mean Flow Cross Section Dimension		R		The cross section area of the mean flow for the open channel.
Mean Flow Dimension		D		The elevation of the mean flow above a specific datum.
Mean Flow Rate		D		The mean or average flow rate for the open channel.
Mean Grade Angle		D		The average grade in the drainage basin.
Measure Pressure Rate		D		The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
Measure Type Code	type list - diameter measure	C	16	This attribute provides information concerning the basis for the subject item's inlet and outlet dimensions (e.g., inside diameter, outside diameter, nominal).
Measured Outflow Volume		R		The actual measured pump flow output.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Metadata Identifier		C	20	Foreign Key. Used to link the record to the applicable feature level metadata record(s).
Meter Design Discriminator	discriminator - waste meter	C	16	Discriminator: The design of the water meter.
Meter Dimension		D		The elevation at the centerline of the meter, in feet (English units) or meters (SI units) above some datum.
Meter Hertz Rating Code	value list - hertz	C	16	The frequency of the electrical system on which the meter should be used.
Meter Number of Phases Quantity		S		The number of phases that the meter monitors.
Meter Real Power Rate		S		The power rating on the meter based on the current and potential transformer ratios.
Meter Voltage Code	value list - voltage	C	16	The potential of the electrical system on which the meter may be used.
Minimum Grade Angle		D		The minimum or shallowest grade in the drainage basin.
Model Number Code		C	12	The Model, Product, Catalog, or Item Number of subject item.
Monitoring Agency Name		C	15	The regulator agency that monitors inflow, containment, and discharge for the subject item.
Monitoring Device Identifier		C	20	Foreign Key. Used to link to the control device table.
Monitoring Device Type Discriminator	discriminator - ecm device	C	16	Discriminator: This value differentiates similar entities by use or type.
Motor Hertz Rating Code	value list - hertz	C	16	The nameplate frequency rating of the motor.
Motor Number of Phases Quantity		S		The number of phases at which the motor was designed to operate.
Motor Voltage Code	value list - voltage	C	16	The nameplate voltage rating of the motor.
Mounting Type Code	discriminator - electric tranbnk	C	16	Discriminator. The type of mounting for the transformer bank.
Name Code	name list - fuel source	C	16	The site specific identification name or number assigned to the subject item.
Narrative Text		C	240	A description or other unique information concerning the subject item, limited to 240 characters.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Natural Gas Anode Test Station Type Code	type list - anode test station	C	16	The type of anode test station configuration use.
Natural Gas Fitting Type Code	discriminator - gas/wat fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Natural Gas Junction Identifier		C	20	Foreign Key. An operator generated identifier use to locally identify the subject item.
Natural Gas Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Natural Gas Junction Use Code	discriminator - nat gas manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Natural Gas Light Type Code	type list - gas fixture	C	16	The type of fixture.
Natural Gas Line Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Natural Gas Line Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Natural Gas Line Use Code	discriminator - natural gas pipe	C	16	Discriminator. This value differentiates similar entities by use or type.
Natural Gas Meter Type Code	type list - gas meter	C	16	A discriminator indicating the kind, class, or group of the subject item.
Natural Gas Pump Identifier		C	20	Foreign Key. A unique, user defined identifier for each record or instance of an entity.
Natural Gas Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.
Natural Gas Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Natural Gas Pumping Station Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Natural Gas Pumping Station Type Code	discriminator - gas pump sta	C	16	The type of station.
Natural Gas Regulator Reducer Type Code	discriminator - regulator	C	16	A discriminator indicating the kind, class, or group of the subject item.

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Natural Gas Source Identifier		C	20	Foreign Key. An operator generated identifier identifying name or number of the gas/fuel source.
Natural Gas Source Type Code	type list - fuel gas	C	16	A discriminator indicating the kind, class, or group of the subject item.
Natural Gas Tank Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Natural Gas Tank Use Code	use list - tank	C	16	The particular kind or use of the tank.
Natural Gas Valve Identifier		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
Natural Gas Valve Use Code	discriminator - gas valve	C	16	The site specific use of the valve.
Neutralization Agent Name		C	30	The chemical agent in the pit which chemically neutralizes the in stream reactant.
Nodal Elevation Dimension		R		The elevation of subject node, which is used in performing computer analyses of the water distribution system. The node elevation is usually the ground elevation at the subject node, or the elevation of the subject item located at the subject node (e.g.,
Nominal Cooling Pressure Rate		R		The nominal chilled water pressure leaving the plant.
Nominal Cooling Water Temperature		R		The nominal chilled water temperature leaving the plant.
Nominal Heating Pressure Rate		R		The nominal hot water or steam pressure leaving the plant.
Nominal Hot Water Temperature		R		The nominal hot water temperature leaving the plant.
Normal Continuous Power Capacity Rate		S		The normal continuous amount of complex power that the substation provides.
Normal Head Dimension		D		The normal operating head for the subject item.
Normal Inline Pressure Rate		D		The normal operating pressure within a pipe on the inline side of a station.
Normal Operating Head Dimension		D		The normal operating head for the subject item.
Normal Positioning Code	status list - electric switch	C	16	The positional condition of a switch during normal circuit conditions (e.g., normally-open, normally closed).

Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Normal Pressure Rate		D		The normal operating pressure of the subject item.
Normal Temperature		D		The normal operating temperature of the subject item.
Number 1 Capacity Value Code	value list - electric kvar	C	16	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.
Number 2 Capacity Value Code	value list - electric kvar	C	16	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.
Number of Analog Inputs Amount		I		The total number of analog-in ports on the device.
Number of Analog Outputs Amount		I		The total number of analog-out ports on the device.
Number of Floods Quantity		S		The total number of floods recorded for this channel.
Number of Inlet Pipes Quantity		S		The number of pipes discharging into the subject item.
Number of Laterals Quantity		S		The total number of laterals.
Number of Links Quantity		S		Number of links in the cable.
Number of Outlet Pipes Quantity		S		The number of pipes carrying material/fluid out of the subject item.
Number of Phases Quantity		S		The number of phases to which this device provides reactive power.
Number of Pipes In Quantity		S		The number of pipes discharging into the subject item.
Number of Pipes Out Quantity		S		The number of pipes carrying material/fluid out of the subject item.
Number of Pipes Quantity		S		The number of the pipes entering and exiting the subject item.
Number of Pumps Quantity		S		The total number of pumps located at the subject item.
Number of Spares Quantity		S		The number of spare ducts enclosed in the ductbank for future use.
Number of Switches Quantity		S		The number of switches at this installation. Each switch has its own record.

### Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Number of Taps Quantity		S		The number of available points of connection on the regulator which may be used to change the voltage.
Number of Terminal's Quantity		I		The total number of terminal connections at the test station.
Number of Terminals Quantity		I		The total number of terminal connections at the test station.
Number of Transformers in First Group Quantity		S		The number of transformers in the first group.
Number of Transformers Quantity		S		The total number of transformers presently in use at the substation.
Number of Twisted Pairs Quantity		S		The number of twisted pair linked to the device.
Number of Valves Quantity		S		The number of valves inside the subject item.
Oil & Water Separator Area		D		The size of the area, zone, or polygon in square units.
Oil & Water Separator Code		C	2	The oil-water separator code. Usually defined as OW.
Oil Capacity Volume		D		The manufacturer recommended amount of oil that the generator engine requires to operate properly.
Oil-Water Separator Code	value list - boolean	C	16	An indicator as to whether or not grit chamber has an integrated oil-water separator. (yes or no)
Optimum Operating Temperature		D		The optimum operating temperature for the subject item.
Outlet 1 Diameter Dimension		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the largest hydrant outlet.
Outlet 2 Diameter Dimension		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the second largest hydrant outlet.
Outlet 3 Diameter Dimension		D		The diameter of the hydrant outlet, or for hydrants with more than one outlet, the diameter of the smallest hydrant outlet.
Outlet Control Identifier		C	12	The outlet control.
Outlet Control Name		C	12	The outlet control.

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Outlet Gas Line Maximum Operating Pressure Rate		D		The design or maximum system pressure in the line on outlet side of the pressure reducing station.
Outlet Gas Line Maximum Pressure Rate		D		The design or maximum system pressure in the line on outlet side of the pumping station.
Outlet Maximum Pressure Rate		D		The design water system pressure in the waterline on outlet side of the pressure regulator.
Output Capacity Rate		R		The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
Output Capacity Volume		D		The pump station's output capacity (e.g., gpm) rating (with all pumps operating) at a specific total dynamic head (TDH), which correlates to normal system pressure head or design pressure head.
Overflow Dimension		D		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.
Percentage Slope Left Channel Dimension		D		The slope of the left channel side expressed as a percentage.
Percentage Slope Right Channel Dimension		D		The slope of the right channel side expressed as a percentage.
Percentage Tapped Amount		D		The percentage of the voltage that will be changed by moving the connection up or down one tap.
Perimeter Dimension		D		The distance around the boundary of the area, zone, or subject item in linear units.
Perimeter Unit Measure Code	unit of measure	C	16	The unit of measure for length.
Permit Expiration Date		I		The date the current permit expires for the subject item. Format for date is YYYYMMDD (i.e., September 15, 1994 = 19940915)
Permit Number Identifier		C	28	The unique site specific permit number issued from the regulating agency for operation or construction of the item.
Phase Letter Code	type list - electric phase	C	16	The letter(s) of the phase(s) for the subject item.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Phase Number for Group Two Value Code	type list - electric phase	C	16	The phase number for the second transformer group.
Phase Number Value Code	type list - electric phase	C	16	The phase number for the first transformer group.
Pipe Cathodic Protection Code	value list - boolean	C	16	Indicates whether or not the pipe has been provided with cathodic protection? (yes or no).
Pipe Diameter Measure Code	value list - pipe diameter	C	16	The manufacturer's designated size, or nominal (i.e., rounded to the nearest unit) diameter for the subject item (e.g., 1" gas hydrant, 2" meter, 6" pipe).
Pipe Inlet Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected.
Pipe Outflow Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected.
Pit Diameter Dimension		D		The diameter dimension of the subject item, measured from inside face of wall to inside face of opposite wall.
Pit Length Dimension		D		The length dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
Pit Liner Type Code	type list - manhole liner	C	16	The type of liner used if the pit/manhole is used for neutralizing chemicals.
Pit Neutralization Agent Name		C	30	The chemical agent in the pit which chemically neutralizes the in stream reactant.
Pit Number of Pipes Quantity		S		The number of the pipes entering and exiting the subject item.
Pit Reactantance Amount		C	30	The chemical in the incoming waste stream being neutralized.
Pit Width Dimension		D		The width dimension of the subject item, from outside face of exterior wall/side to outside face of opposite exterior wall/side.
Plant Area		D		The overall surface measurement within the limits of the plant or facility (e.g., within fence or building).
Plant Dimension		D		The finished floor elevation of the treatment plant, in feet (English units) or meters (SI units) above some datum.
Plant Width Dimension		D		The overall width dimension of a utility plant.

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Pole & Tower Condition Code	condition list - pole	C	16	The condition of the subject item when last inspected.
Pole & Tower Design Discriminator	discriminator - pole	C	16	Discriminator. This value differentiates similar entities by use or type.
Pole Depth Dimension		D		The depth the pole is buried in the foundation (usually the ground surface).
Pole Height Dimension		D		The distance the pole extends above the foundation (usually the ground surface).
Pole Length Dimension		D		The overall length of the pole from tip to tip.
Pole Material Code	material list - pole	C	16	The material composition of the pole.
Pollution Type Code	pollution discharge	C	16	Discriminator for pollution type.
Power Factor Amount		R		The cosine of the phase angle between the voltage and the current that the generator creates.
Power Generated Quantity		D		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.
Power Required Code	value list - voltage	C	16	The voltage of the electrical power required by the subject item.
Pressure Alarm Level Dimension		D		The preset pressure setting of a tank which activates a low tank pressure alarm.
Pressure Required Rate		D		The required maximum outlet pressure setting for the regulator.
Pressure Unit Measure Code	unit of measure	C	16	The unit of measure of pressure.
Primary Voltage Code	value list - voltage	C	16	The voltage on the source side of the regulator with the associated units given.
Priming Method Code		C	15	The method by which the pump is primed.
Priming Requirement Indicator Code	value list - boolean	C	16	An indicator as to whether or not the pump has to be primed? (yes or no).
Process Type Name		C	30	The specific type of separation process.
Product Type Code	type list - heating-cooling	C	16	The type of product (chilled water, high temp, etc) produced at this plant.

### Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Pump Capacity Rate		R		The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
Pump Design Discriminator	discriminator - wastewater pump	C	16	Discriminator. The design of the pump/booster station.
Pump Installation Type Code	discriminator - electric switch	C	16	Discriminator. This value differentiates similar entities by use or type.
Pump Station Type Code	discriminator - pump sta	C	16	Discriminator. This value differentiates similar entities by use or type.
Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.
Rate Capacity Unit Measure Code	unit of measure	C	16	The unit of measure for rate capacity data (e.g., gallons per minute).
Rate Unit Measure Code	unit of measure	C	16	The unit of measure for rate.
Rated Flow Capacity Rate		R		The plant manufacturer's rated treatment plant capacity (e.g., gpm), which signifies the peak constant or daily flow of raw water that the plant can treat and transform to the specified water quality requirements.
Rated Outflow Volume		R		The manufacturer's pump capacity (e.g., gpm) rating at a specific design total dynamic head (TDH), usually depicted by a pump curve.
Reactantance Amount		C	30	The chemical in the incoming waste stream being neutralized.
Reactive Power Rating Code	value list - electric kvar	C	16	The rating of the capacitor's ability to provide reactive power to a circuit.
Readout Display Type Code	type list - display	C	16	The type of display or readout for the device.
Regulator Complex Power Rate		S		The maximum continuous complex power rating of the regulator.
Regulator Dimension		D		The elevation of the pressure regulator, measured at the regulator centerline.
Regulatory Type Code	type list - electric volt regul	C	16	The type of voltage regulator.
Required Maximum Outlet Pressure Rate		D		The required maximum outlet pressure setting for the regulator.
Required Maximum Pressure Rate		D		The required maximum outlet pressure setting for the regulator.

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Reservoir Width Dimension		D		The average width dimension of the reservoir, measured from top of opposite side slopes.
Residual Pressure Rate		D		The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
Rim Dimension		D		The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
Riser Material Type Code	material list - pole	C	16	The material composition of the pole riser.
River Mile Reference Dimension		D		River mile marker.
Rock Condition Code	condition list - rock strength	C	16	The condition of the rock relative to the rocks strength and integrity.
Sampling Frequency Rate		S		The frequency at which material sampling is conducted.
Sanitary Wastewater Use Code	value list - boolean	C	16	An indicator as to whether or not the lagoon is used for wastewater. (yes or no)
Screen Type Code	type list - culvert screen	C	16	The type of screen used to cover the end of the culvert.
Second Transformer Capacity Volume		I		The capacity of the second transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
Secondary Voltage Code	value list - voltage	C	16	The voltage on the load side of the regulator with the associated units given.
Separator Volume		D		The volume of the oil-water separator.
Serial Number Code		C	15	The manufacturer's serial, or unique identification number of the subject item.
Service Code	value list - boolean	C	16	An indicator as to whether or not the meter is installed on a service line? (yes or no)
Service Line Code	value list - boolean	C	16	An indicator as to whether or not the meter is installed on a service line? (yes or no)
Sign Height Dimension		D		The height dimension of the sign.
Sign Material Composition Code	material list - pole	C	16	The material composition of the sign.
Sign Text		C	30	The text on the sign, up to 30 characters.

Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Sign Width Dimension		D		The width dimension of the sign.
Size Dimension		R		The manufacturer's nominal size designation.
Size Unit Measure Code	unit of measure	C	16	The unit of measure for size.
Slope Measure Unit Code	unit of measure	C	16	The unit of measure for slope.
Sludge Bed Capacity Volume		R		The sludge bed's storage capacity (e.g., gallons, ft3, etc).
Sludge Bed Width Dimension		D		The exterior width dimension of the sludge bed, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
Sludge Drying Bed Area		D		The interior surface area of the sludge bed.
Soil Consistency Code	condition list - soil consistency	C	16	The consistency of the soil indicating soil condition and strength.
Soil Erosion Code	soils - erosion K	C	16	The erosion potential of the soil.
Soil Family Code	soils - family	C	16	The soil family.
Soil Percolation Rate		D		The percolation rate of the soil in which the drain field lines are placed.
Soil Percolation Unit Measure Code	unit of measure	C	16	The unit of measure for soil percolation.
Soil Texture Code	soils - texture	C	16	The soil texture.
Sound Dampening Insulation Code	value list - boolean	C	16	An indicator as to whether or not Insulation was added to dampen the transmission of noise. (yes or no)
Spare Analog Inputs Amount		I		The number of spare analog-in ports.
Spare Analog Outputs Amount		I		The number of spare analog-out ports.
Spare Digital Inputs Quantity		I		The number of spare digital-in ports.
Spare Digital Outputs Quantity		I		The number of spare digital-out ports.
Startup Configuration Type Code	type list - electric motor start	C	16	The startup configuration for the motor.

Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Static Pressure Head Rate		D		The numeric pressure head on the subject item under static (i.e., no flow or demand) conditions in the utility system.
Station Area		D		The size of the area, zone, or polygon in square units.
Station Dimension		D		The top surface elevation of the subject item's interior floor/bottom in feet (English units) or meters (SI units) above some datum.
Station Length Dimension		D		The length dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
Station Width Dimension		D		The width dimension of the station, measured from outside face of the exterior wall/side to outside face of the opposite exterior wall/side.
Stilling Basin Area		D		The size of the area, zone, or polygon in square units.
Stilling Basin Width Dimension		D		The average width dimension of the stilling basin, measured from top of opposite side slopes.
Stilling Tank Area		D		The overall area of the septic tank and drain field.
Storm Sewer Armor Type Code	hydrography - bank armor lining	C	16	The type of channel armor used.
Storm Sewer Collection Reservoirs Type Code	type list - reservoir	C	16	The type or classification of the reservoir.
Storm Sewer Collection Reservoirs Use Code	use list - reservoir	C	16	The particular application, or use the subject item.
Storm Sewer Discharge Location Identifier		C	20	Foreign Key. An operator generated identifier used locally to reference the discharge identification for the subject item.
Storm Sewer Discharge Location Type Code	type list - effluent discharge	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Downspout Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Drainage Basin Identifier		C	20	Foreign Key. An operator generated identifier that uniquely identifies the subject item.

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Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Storm Sewer Fitting Location Type Code	discriminator - waste fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Flow Control Devices Identifier		C	20	Foreign Key. An operator generated identifier for the flow control device.
Storm Sewer Flow Control Devices Type Code	type list - water flow control	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Junction Identifier		C	20	Foreign Key. An operator generated identifier use to locally identify the subject item.
Storm Sewer Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Storm Sewer Junction Use Code	discriminator - storm manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Storm Sewer Line Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Line Use Code	discriminator - pipe	C	16	Discriminator. This value differentiates similar entities by use or type.
Storm Sewer Oil Water Separator Type Code	type list - oil/water separator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Open Drainage Identifier		C	20	Foreign Key. Used to link the record to an applicable channel record.
Storm Sewer Pump Identifier		C	20	Foreign Key. A unique, user defined identifier for each record or instance of an entity.
Storm Sewer Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Storm Sewer Pumping Station Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Storm Sewer Pumping Station Type Code	type list - station	C	16	A discriminator indicating the kind, class, or group of the subject item.
Storm Sewer Stilling Basin Type Code	type list - stilling basin	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Storm Sewer Valve Use Code	use list - valve	C	16	The particular application, or use the subject item.
Structure Condition Code	structure - condition	C	16	Indicates a state of being, or readiness for use of the subject item(e.g., good, fair, poor), from lists or field inspections.
Substation Voltage Input Code	value list - voltage	C	16	The line-to-line voltage of the transmission line that is the source for the substation.
Substation Voltage Output Code	value list - voltage	C	16	The line-to-line output voltage of the substation.
Switch Dimension		C	20	A three dimensional description of the amount of space which a switch occupies (e.g., 2 x 1 x 4).
Switch Number of Phases Quantity		S		The number of phases opened by the switch.
Switch Phase Code	value list - boolean	C	16	This indicates whether the capacitor is presently in the circuit or is not presently in the circuit.
Switch Voltage Code	value list - voltage	C	16	The system voltage of the electrical line at the point in which the switch is inserted.
System X Coordinate		D		A site specific numerical coordinate denoting the location of the node_id_1 in reference to the x-axis or plane.
System Y Coordinate		D		A site specific numerical coordinate denoting the vertical location referenced to the specified datum.
Tank Alarm Dimension		D		Elevation of water in upstream ground water storage tank(s) which represents a low level which activates a "low water/pressure alarm".
Tank Diameter Dimension		D		The inside diameter of the tank, measured from the interior wall surface to the opposite interior wall surface.
Tank Style Code	style list - tank	C	16	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
Tank Type Code	style list - tank	C	16	The particular kind, class, or group of tank (e.g., elevated, hydropneumatic, etc.).
Tank Width Dimension		D		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.
Temperature Unit Measure Code	unit of measure	C	16	The unit of measure for temperature.
Tensile Force Unit Measure Code	unit of measure	C	16	The unit of measure of tension .

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Test Type Code	type list - sewage test	C	16	The type of test used to evaluate the contained material.
Third Transformer Capacity Volume		I		The capacity of the third transformer contained in the transformer bank. Used exclusively for displaying the capacities in the bank.
To X Coordinate		D		The x component of individual beginning coordinate point.
To Y Coordinate		D		The y component of individual beginning coordinate point.
To Z Coordinate		D		The z component of individual beginning coordinate point.
Top Dimension		D		The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
Top Elevation Dimension		D		The elevation of exterior top surface of the subject item's lid, hatch, rim, or roof in feet (English units) or meters (SI units) above some datum.
Top Width Dimension		D		The top width of the armor.
Top Width of Mean Flow Dimension		D		The average top width of the mean flow.
Total Dynamic Head Dimension		D		The total dynamic head upon which the capacity_rated is based.
Total Dynamic Head Rate		D		The total dynamic head upon which the capacity_rated is based.
Total Dynamic Head Unit Measure Code	unit of measure	C	16	The unit of measure for Total Dynamic Head (TDH), usually expressed in feet (English units).
Total KVA Rate		D		The total kva rate for all transformers attached to the transformer bank.
Transformers in Second Group Quantity		S		The number of transformers in the second group.
Treatment Date		I		The date that the pole was last treated. Format for date is YYYYMMDD (i.e. September 15, 1994 = 19940915).
Treatment Plant Type Code	type list - treatment plant	C	16	A discriminator indicating the kind, class, or group of the subject item.
Treatment Type Code	type list - pole treatment	C	16	Defines any treatment applied to the pole to improve its life.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Trench Width Dimension		D		The trench width excavated for the field drains.
Tributary Utility Subsystem Code		C	20	An operator generated identifier used locally to identify a tributary subsystem of the main utility system.
Unique Feature Identifier		C	20	Primary Key. A unique, user defined identifier for each record or instance of an entity.
Use Rate		S		The fuel/gas usage rate for the subject item.
User Flag Text		C	20	An operator defined work area. This attribute can be used by the operator for user defined system processes. It does not effect the subject item's data integrity and should not be used to store the subject item's data.
Valve Dimension		D		The elevation measured at centerline of the valve, in feet (English units) or meters (SI units) above some datum.
Valve Style Code	style list - valve	C	16	The particular kind, class, or group of valve (e.g., gate, check, etc.).
Vault Area		D		The overall surface measurement within the limits of the vault facility (e.g., within fence or building).
Vault Industrial Wastewater Use Code	value list - boolean	C	16	An indicator as to whether or not the vault is used for industrial wastewater. (yes or no)
Vault Pipe Outlet Code	value list - boolean	C	16	An indicator as to whether or not the vault has pipe outlets. (yes or no)
Vault Wastewater Use Code	value list - boolean	C	16	An indicator as to whether or not the vault is used for wastewater. (yes or no)
Vault Width Dimension		D		The average width dimension of the vault, measured from top of opposite side slopes.
Voltage Input Code	value list - voltage	C	16	The input AC voltage to the rectifier.
Voltage Output Code	value list - voltage	C	16	The output DC voltage from the rectifier to the anode system.
Volume Unit Measure Code	unit of measure	C	16	The unit of measure of volume.
Wastewater Disposal Tank Use Code	use list - tank	C	16	The particular kind or use of the waste water tank.
Wastewater Downspout Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Wastewater Drain Field Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Wastewater Drain Field Type Code	type list - pipe	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Drain Field Use Code	discriminator - wastewater line	C	16	Discriminator. This value differentiates similar entities by use or type.
Wastewater Fitting Location Type Code	discriminator - waste fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Junction Identifier		C	20	Foreign Key. An operator generated identifier use to locally identify the subject item.
Wastewater Junction Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole for the subject utility.
Wastewater Junction Use Code	discriminator - waste manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Wastewater Lagoon Type Code	type list - lagoon	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Lagoon Use Code	value list - boolean	C	16	An indicator as to whether or not the lagoon is used for industrial wastewater. (yes or no)
Wastewater Meter Type Code	type list - water meter	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Neutralizer Type Code	type list - manhole	C	16	A discriminator indicating the kind, class, or group of manhole/pit for the subject utility.
Wastewater Oil & Water Separator Type Code	type list - oil/water separator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Pump Ejector Station Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Wastewater Pump Ejector Station Type Code	type list - station	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Pump Identifier		C	20	Foreign Key. Used to link the test to the Waste Water Pump.
Wastewater Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Wastewater Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Wastewater Stilling Tank Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Wastewater Stilling Tank Use Code	type list - wastewater tank	C	16	This value differentiates similar entities by use or type.
Wastewater System Discharge Location Identifier		C	20	Foreign Key. An operator generated identifier used locally to reference the discharge identification for the subject item.
Wastewater System Discharge Location Type Code	type list - effluent discharge	C	16	A discriminator indicating the kind, class, or group of the subject item.
Wastewater Treatment Plant Identifier		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
Wastewater Valve Use Code	use list - valve	C	16	The particular application, or use the subject item.
Water Anode Test Station Type Code	type list - anode test station	C	16	The type of anode test station configuration use.
Water Elevation Dimension		R		The water elevation of the maximum design head of the pump in feet NGVD.
Water Fitting Type Code	discriminator - gas/wat fitting	C	16	A discriminator indicating the kind, class, or group of the subject item.
Water Junction Identifier		C	20	Foreign Key. An operator generated identifier use to locally identify the subject item.
Water Junction Use Code	discriminator - water manhole	C	16	Discriminator. An attribute that differentiates the use of the subject item.
Water Line Identifier		C	20	Foreign Key. An operator generated identifier of the utility line pipe to which the subject item is connected. Pipe_id represents the unique site specific numerical designation assigned to each section of pipe in a utility system (e.g., water, gas, sewer), interconnected by
Water Line Type Code	type list - pipe	C	16	The kind, class, or group of the subject item.
Water Line Use Code	discriminator - water pipe	C	16	Discriminator. This value differentiates similar entities by use or type.
Water Meter Type Code	type list - water meter	C	16	A discriminator indicating the kind, class, or group of the subject item.

### Utilities (Attributes)

ATTRIBUTE NAME	DOMAIN NAME	DATA TYPE	CHAR LENGTH	DEFINITION
Water Pump Identifier		C	20	Foreign Key. A unique, user defined identifier for each record or instance of an entity.
Water Pump Type Code	type list - pump	C	16	A discriminator indicating the kind, class, or group of the subject item.
Water Pump Use Code	use list - pump	C	16	The particular application, or use the subject item.
Water Pumping Station Identifier		C	20	Foreign Key. Used to link the record to an associated station (pump station, pressure reducing station).
Water Pumping Station Type Code	discriminator - pump sta	C	16	The type of station.
Water Regulator Reducer Identifier		C	20	Foreign Key. The unique identification name or number of the pressure regulator (i.e., pressure reducer valve).
Water Regulator Reducer Type Code	discriminator - regulator	C	16	A discriminator indicating the kind, class, or group of the subject item.
Water Residual Pressure Rate		D		The measured pressure at a hydrant or connection during a flow test conducted at the subject hydrant or connection.
Water Source Area		D		The size of the area, zone, or polygon in square units.
Water Source Code	type list - water source	C	16	The point of origin of a water system's water supply.
Water Source Identifier		C	20	Foreign Key. An operator generated identifier identifying name or number of the water source.
Water Source Name Code	name list - water source	C	16	The name of the water source (e.g., Mississippi River, Bayou LaFouche, etc.).
Water Source Type Code	type list - water source	C	16	A discriminator indicating the kind, class, or group of the subject item.
Water Tank Identifier		C	20	Foreign Key. An operator generated identifier used to locally identify the subject item.
Water Tank Use Code	use list - tank	C	16	The particular kind or use of the tank (e.g., raw water, potable, etc.).
Water Treatment Plant Identifier		C	20	Foreign Key. The site specific unique identification name or number of the treatment plant.
Water Treatment Plant Type Code	type list - treatment plant	C	16	A discriminator indicating the kind, class, or group of the subject item.

Utilities (Attributes)

<b>ATTRIBUTE NAME</b>	<b>DOMAIN NAME</b>	<b>DATA TYPE</b>	<b>CHAR LENGTH</b>	<b>DEFINITION</b>
Water Valve Location Identifier		C	20	Foreign Key. The unique site specific identification name or number of a valve associated with or connected to the subject item.
Water Valve Location Use Code	discriminator - valve	C	16	The site specific use of the valve.
Weight		S		Weight of the subject item.
Weight Unit Measure Code	unit of measure	C	16	The unit of measure for weight.
Weir Elevation Dimension		D		Elevation of the weir invert.
Weir Outlets Code	value list - boolean	C	16	An indicator as to whether or not the subject item has weir outlets. (yes or no)
Wet Well Capacity Volume		D		The wet well capacity.
Width Dimension		D		The width dimension of the subject item, measured from opposite inside faces.
Winding Configuration Type Code	type list - winding connection	C	16	A label representing the configuration of the stator winding connections.
Wire Size Code	dimension list - electric cable	C	16	The AWG size designation for the wire connecting the anode/anode packet to the anode test station.
Wire Type Code	type list - electric cable	C	16	The conductor configuration, typically solid or stranded.
X Coordinate		D		The x component of an individual coordinate point.
Y Coordinate		D		The y component of an individual coordinate point.
Z Coordinate		D		The z component of an individual coordinate point.