



Corporate Production GIS Metadata

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Layer Name: Gas_Valve

General Information

Layer Name:	Gas_Valve
# of Features:	3873
Status:	ACTIVE
Layer Source:	GIS_DATA.GAS_VALVE
Layer Quality:	Good
Feature Accuracy:	+/- 2m
Type:	POINT
Description:	Inventory of all gas valves.
Projection:	NAD 83 UTM Zone 17N (EPSG 26917)
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Source and Contraints

Source Map Label:	Gas Valves: Corporate Services - Technology Innovation and Services - GDA (Current)
History:	
Original Source:	INS - Utilities
Original Source Process:	
Maintenance:	
Current Info Source:	
Outstanding Issues:	
Update Frequency:	CONTINUOUS

Data Fields & Domain Information

Gas_Valve

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
OBJECTID	OBJECTID	NUMBER	ESRI system maintained integer field used to uniquely identify rows in tables in a geodatabase. Note that OBJECTID values change upon export or import of the data and should not be used as a primary field for searching or identifying records.			
GASVALVEID	Gasvalveid	NUMBER	Database maintained field that permanently assigns a unique value for each record. This ID value should be the one referred to when identifying a record.			
CREATE_BY	Create By	VARCHAR2	Database maintained field. Updates to the user name that created the feature. Update takes place when the feature is created.			
CREATE_DATE	Create Date	DATE	Database maintained field. Updates to the current data/time. Update takes place when the feature is created.			
UPDATE_BY	Update By	VARCHAR2	Database maintained field. Updates to the user name that most recently updated either an attribute or the geometry of the feature. Update takes place when the feature is created and/or changed.			
UPDATE_DATE	Update Date	DATE	Database maintained field. Updates to the current data/time when an attribute or the geometry of the feature is changed. Update takes place when the feature is created and/or changed.			
STATUS	Status	VARCHAR2	Indicates the status of feature. A pick list is used for this field - contact GIS for pick list values.	GasStatus	ACTIVE	ACTIVE; DEACTIVATED; PLANNED; UNKNOWN
STATUS_DATE	Status Date	DATE	Database maintained field. Updates to the current date/time when the STATUS field value is changed.			
SOURCE_DATE	Source Date	DATE	GIS maintained field. Date of the source document or information.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
REL_GASMAINID	Rel Gasmainid	NUMBER	Input by GIS staff. GASMAINID value of the gas main feature in the GIS_DATA.GAS_MAIN layer that the valve is associated with.			
ROTATION	Rotation	NUMBER	Input by GIS staff input. Field that rotates the gas valve so that its symbol is in line with the associated gas main. 0 is north, 90 is east, 180 is south, 270 is west.			
SHAPE	SHAPE	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.			
SOURCE	Source	NUMBER	GIS maintained field. Source EDRA (Electronic Document Registration Application) document number, or name of department or specific staff member that the information came from.			
VALVE_NUM	Valve Num	VARCHAR2	Provided through as-built plan or digital submission. Unique value assigned by Utility staff for the valve. Value must begin with a uppercase V. A value must be entered.			
TYPE	Type	VARCHAR2	Provided through as-built plan or digital submission. Indicates the type of gas valve. The default value is 'TO INPUT'. Valid values are 'BALL', 'GEARED', 'PLUG'. The value 'UNKNOWN' indicates that the subtype was not given or is unknown.	GasValveType		BALL; GEARED; PLUG; UNKNOWN
SUBTYPE	Subtype	VARCHAR2	Provided through as-built plan or digital submission. Indicates if the gas valve has a stop or not. The default value is 'TO INPUT'. Valid values are 'NO STOP', 'WITH STOP'. The value 'UNKNOWN' indicates that the subtype of the valve was not given or is unknown.	GasValveSubtype	WITH STOP	NO STOP; NO STOPS CLOSED; NO STOPS OPEN; UNKNOWN; WITH STOP

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
MANUFACTURER	Manufacturer	VARCHAR2	Provided through as-built plan or digital submission. Manufacturer of the gas valve. The default value is 'TO INPUT'. Valid values are 'BROAN', 'CENTRAL', 'GROVE', 'MUELLER', 'NORDSTROM', 'POLYVALVE LLC', 'ROCKWELL'. The value 'UNKNOWN' indicates that the manufacturer was not given or is unknown.	GasValveManufacturer	POLYVALVE LLC	BOEHMER; BROAN; GROVE; MUELLER; NEWMAN; NORDSTROM; POLYVALVE LLC; ROCKWELL; UNKNOWN; WARREN ...See GIS for a complete list...
MODEL	Model	VARCHAR2	Provided through as-built plan or digital submission. Model of the gas valve. The default value is 'TO INPUT'. Valid values are '114', '115', '143', '165', '169', '185', '200', '305', '1942 1/2', '1943 1/2', '2025', '2045', '4187 1/2', '4235', '4285', '4287', '82111', '82210', '82211', '84111', '84210', '84211', '12BMW285KFPTRVG14S', '4BMW275', '8BMW285KFPCBVG14S', 'H11405', 'H11406', 'H11435', 'H11445'. The value 'UNKNOWN' indicates that the model was not given or is unknown.	GasValveModel		3E; 99ELK1119902-01; A350LF2; H11405; H11406; H11435; H11445; H17501; P355NL2; UNKNOWN ...See GIS for a complete list...
INSTALLATION_DATE	Installation Date	DATE	Date the feature was installed			
MATERIAL	Material	VARCHAR2	Provided through as-built plan or digital submission. Material of the gas valve. The default value is 'TO INPUT'. Valid values are 'PLASTIC', 'STEEL'. The value 'UNKNOWN' indicates that the material was not given or is unknown.	GasPipeMaterial		PLASTIC; STEEL; UNKNOWN

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
VALVE_KEY	Valve Key	VARCHAR2	<p>Provided through as-built plan or digital submission. Indicates the type of key to activate the gas valve. Values are codes. The following uses the key 'CODE' ('DESCRIPTION'). The default value is 'X' ('X - TO INPUT'). Valid values are 'L' ('L - LUBRICATED PLUG VALVE REQUIRING 2" SQ. KEY (4" NORD OR LARGER)', 'LO' ('LO - LONG KEY REQUIRED FOR LUBRICATED PLUG VALVE'), 'M' ('M - PLUG VALVE REQUIRING SLOTTED MUELLER KEY (2" MUELLER OR SMALLER)', 'PL' ('PL - PLASTIC VALVE REQUIRING 2" SQ. KEY (2" OR 4" POLYVALVE)'), 'PM' ('PM - PLASTIC VALVE REQUIRING SLOTTED MUELLER KEY (1" OR 1/4" POLYVALVE)'). The value 'U' ('U - UNKNOWN') indicates that the type was not given or is unknown. 'U' ('U - UNKNOWN') is the value GIS staff enter.</p>	GasValveKey		<p>F - FORK KEY; HW - HANDWHEEL; L - LUBRICATED PLUG VALVE REQUIRING 2" SQ. KEY (4" NORD OR LARGER); LO - LONG KEY REQUIRED FOR LUBRICATED PLUG VALVE; M - PLUG VALVE REQUIRING SLOTTED MUELLER KEY (2" MUELLER OR SMALLER); PL - PLASTIC VALVE REQUIRING 2" SQ. KEY (2" OR 4" POLYVALVE); PM - PLASTIC VALVE REQUIRING SLOTTED MUELLER KEY (1" OR 1/4" POLYVALVE); U - UNKNOWN; W - WRENCH</p>
VALVE_LEFT	Valve Left	VARCHAR2	<p>Provided through as-built plan or digital submission. Indicates the position of the gas valve. Values are codes. The following uses the key 'CODE' ('DESCRIPTION'). The default value is 'X' ('X - TO INPUT'). Valid values are 'C' ('C - CLOSED'), 'O' ('O - OPEN'). The value 'U' ('U - UNKNOWN') indicates that the position was not given or is unknown. 'U' ('U - UNKNOWN') is the value GIS staff enter.</p>	GISOpenClosed		<p>C - CLOSED; O - OPEN; U - UNKNOWN</p>

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
BOX_TYPE	Box Type	VARCHAR2	Provided through as-built plan or digital submission. Box type of the gas valve. The default value is 'TO INPUT'. Valid values are '334', '445', '558', '668', 'BURIED', 'CHAMBER', 'KG3'. The value 'UNKNOWN' indicates that the box type was not given or is unknown.	GasValveBoxType		334; 445; 558; 668; ABOVE GRADE; BURIED; CHAMBER; KG3; STEEL; UNKNOWN
HARD_TO_OPERATE	Hard To Operate	VARCHAR2	Provided through as-built plan or digital submission. Maintained by Utility staff. Indicates if the gas valve is hard to operate. Values are codes. The following uses the key 'CODE' ('DESCRIPTION'). The default value is 'X' ('X - TO INPUT'). Valid values are 'N' ('N - NO'), 'Y' ('Y - YES'). The value 'U' ('U - UNKNOWN') indicates that the difficulty of turning the valve was not given or is unknown. 'U' ('U - UNKNOWN') is the value GIS staff enter.	YesNo	N	N - NO; U - UNKNOWN; Y - YES
CROSS_STREET	Cross Street	VARCHAR2	Provided through as-built plan or digital submission. The nearest crossing street.			
KU_NOTES	Ku Notes	VARCHAR2	Input by Utility staff. Open text field for notes.			
TURNS	Turns	NUMBER	Input by Utility staff. Indicates the number of turns to activate or deactivate the gas valve. The default value is <null>.			
GENERAL_GRID	General Grid	VARCHAR2		GridStandardID		277; 563; 582; 583; 584; 585; 586; 587; 607; 608 ...See GIS for a complete list...
QUARTER_GRID	Quarter Grid	VARCHAR2		GridQuarteredID		277-A; 407-C; 586-D; 587-A; 607-A; 607-B; 607-C; 607-D; 608-A; 608-B ...See GIS for a complete list...
LRT_VALVE	Lrt Valve	VARCHAR2		YesNo	N	N - NO; U - UNKNOWN; Y - YES

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
LUBRICATE_VALVE	Lubricate Valve	VARCHAR2		YesNo	N	N - NO; U - UNKNOWN; Y - YES
EMERGENCY_VALVE	Emergency Valve	VARCHAR2		YesNo	N	N - NO; U - UNKNOWN; Y - YES
LRT_HAZARD_ZONE	Lrt Hazard Zone	VARCHAR2		LrtHazardZone	NONE	BUFFER; NONE; ROAD LRT; ZONE A; ZONE B
VALVE_SIZE	Valve Size	NUMBER		GasMainSize	0	0; 100; 150; 200; 250; 300; 38; 400; 50; 75 ...See GIS for a complete list...
OPERATING_CHECK_AREA	Operating check area	VARCHAR2		GasValveOperatingCheckArea		0; 1; 2; 3; 4

***Layer Quality:**

SCHEMATIC - spatial representation of features are not to scale and not in accurate relative position to other features on other layers.

GENERALIZED - position of features are approximate, should not be used in conjunction with base layers (parcel fabric or Ortho-imagery)

GOOD - position of features are usually based on relative position to base layers (Ortho-imagery or parcel fabric)

Note: Dataset may not include all fields: Open Data layers will only include fields approved for sharing as open data

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City of Kitchener Corporate Database