



Corporate Production GIS Metadata

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Layer Name: Gas_Main

General Information

Layer Name:	Gas_Main
# of Features:	14242
Status:	ACTIVE
Layer Source:	GIS_DATA.GAS_MAIN
Layer Quality:	Good
Feature Accuracy:	+/- 2m
Type:	POLYLINE
Description:	A schematic representation of the planned and active gas main locations. The layer is not drawn precisely so locations should not be relied upon, a locate must be performed on all mains.
Projection:	NAD 83 UTM Zone 17N (EPSG 26917)
Disclaimer:	The City of Kitchener assumes no responsibility for the accuracy of the provided data. Any use of this information is done so at the users risk. Good survey practices must be applied when utilizing this information. The City of Kitchener and its partners have created this data for information purposes on an as-is and as available basis and is under no circumstances a substitute for a Legal Survey. The City does not make any representations or warranty, express or implied, concerning the accuracy, quality, likely results, or reliability of the use of the data. The City of Kitchener assumes no responsibility for any errors and is not liable for any damages of any kind resulting from the use of, or reliance on, the information and material contained in this layer. All information should be verified independently before being used or relied on. Users are encouraged to contact the City of Kitchener to ensure the accuracy of the information provided by Kitchener.

Source and Contraints

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

Data Fields & Domain Information

Gas_Main

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.			
GASMAINID	Gasmainid	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

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
STATUS_DATE	Status Date	DATE	Database maintained field. Updates to the current date/time when the STATUS field value is changed.			
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.			
SOURCE_DATE	Source Date	DATE	GIS maintained field. Date of the source document or information.			
PARENTID	Parentid	NUMBER	Input by GIS staff. Used when an an existing gas main is split for any number of reasons. Usually this occurs when another, typically new, pipe tees into it. The existing record is split into 2 or more individual records. The longest single existing record retains its GASMAINID value and no value is entered into PARENTID, however for each of the remaining shorter existing records the original GASMAINID value is copied into the PARENTID field, their GASMAINID values are deleted and the database generates new GASMAINIDs for the 2 or more new shorter records. This is done so that information, such as work orders, could be linked back to the records that have new GASMAINID values.			
ROADSEGMENTID	Roadsegmentid	NUMBER	Input by GIS staff. ROADSEGMENTID of the GIS_DATA.ROADSEGMENT layer feature that the majority of the gas main follows . A value of -1 indicates that the feature does not follow a road. Roadsegments must have a CATEGORY value of 'HIGHWAY' , 'RAMP' , 'ROAD' , or 'ROUNDBABOUT' and a STATUS value of 'ACTIVE' , 'PLANNED' , or 'REGISTERED'.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
MAP_LABEL	Map Label	VARCHAR2	Database maintained field. Combines the GIS length, and the DIAMETER and MATERIAL field values.			
TAG1	Tag1	VARCHAR2	Temporary location to store short term data for mapping purposes only.			
SHAPE	SHAPE	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.			
MATERIAL	Material	VARCHAR2	Provided through as-built plan or digital submission. Material of the gas main. 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	PLASTIC; STEEL; UNKNOWN
SUB_MATERIAL	Sub Material	VARCHAR2	Provided through as-built plan or digital submission. Submaterial of the gas main. The default value is 'TO INPUT'. Valid values are 'ALDYL A', 'ALDYL HD', 'BARE PIPE', 'EPOXY', 'PE 100', 'RELIN', 'TAR COAT', 'TR418', 'YELLOW JACKET'. The value 'UNKNOWN' indicates that the submaterial was not given or is unknown.	GasPipeSubmaterial		3M SK 6233 3M SK 6352; ALDYL A; EPOXY; PE 100; PE2406/2708; TAR COAT; TR418; UNIMODAL PE2708; UNKNOWN; YELLOW JACKET ...See GIS for a complete list...
INSTALLATION_DATE	Installation Date	DATE	Date the feature was installed			
HIGH_PRESSURE	High Pressure	VARCHAR2	Provided through as-built plan or digital submission. Indicates if the gas main is a high pressure transmission main. A distribution pressure main is given the value 'N'. 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 type of pressure was not given or is unknown.	YesNo	N	N - NO; U - UNKNOWN; Y - YES

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
TRACER_WIRE_COLOUR	Tracer Wire Colour	VARCHAR2	Provided through as-built plan or digital submission. Tracer wire colour of the gas main. The default value is 'TO INPUT'. Valid values are 'BLUE', 'WHITE', 'YELLOW'. The value 'UNKNOWN' indicates that the tracer wire colour was not given or known.	GasTracerWireColour		BLACK; BLUE; RED; UNKNOWN; WHITE; YELLOW
EASEMENT	Easement	VARCHAR2	Provided through as-built plan or digital submission. Indicates if the gas main is within an easement and if so the type of easement the main is within. The default value is 'TO INPUT'. Valid values are 'HYDRO RIGHT OF WAY', 'NO EASEMENT', 'PRIVATE PROPERTY', 'RAILWAY'. The value 'UNKNOWN' indicates that the easement was not given or is unknown.	GasMainEasement	NO EASEMENT	HYDRO RIGHT OF WAY; NO EASEMENT; PRIVATE PROPERTY; RAILWAY
KU_NOTES	Ku Notes	VARCHAR2	Input by Utility staff. Open text field for notes.			
BRIDGE_MAIN	Bridge Main	VARCHAR2	Provided through as-built plan or digital submission. Indicates if the gas main uses a bridge to pass over other features.	YesNo	N	N - NO; U - UNKNOWN; Y - YES
BRIDGE_DETAILS	Bridge Details	VARCHAR2	Provided by Gas Utilities staff. Additional details concerning gas mains that use a bridge to pass over other features.			
SDR	Sdr	VARCHAR2	Provided by Gas Utilities staff. SDR stands for standard dimension ratio and is a measurement and method often used by pipe manufacturers to rate the working pressure capacity of a pipe.	GasSDR		10; 11; 13.5; N/A; UNKNOWN
DIAMETER	Diameter	NUMBER	Provided through as-built plan or digital submission. The diameter in millimetres of the gas main.	GasMainSize	0	0; 100; 150; 200; 250; 300; 38; 400; 50; 75 ...See GIS for a complete list...

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