



# Corporate Production GIS Metadata

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## Layer Name: Water\_Valve

### General Information

<b>Layer Name:</b>	Water_Valve
<b># of Features:</b>	8348
<b>Status:</b>	ACTME
<b>Layer Source:</b>	GIS_DATA.WAT_VALVE
<b>Layer Quality:</b>	Good
<b>Feature Accuracy:</b>	+/- 2m
<b>Type:</b>	POINT
<b>Description:</b>	Inventory of all water valves.
<b>Projection:</b>	NAD 83 UTM Zone 17N (EPSG 26917)
<b>Disclaimer:</b>	<p>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.</p>

### Source and Contraints

<b>Source Map Label:</b>	Water Valves: Corporate Services - Technology Innovation and Services - Geospatial Data and Analytics (Current to date of printing)
<b>History:</b>	Created and Maintained by Utilities
<b>Original Source:</b>	INS - Utilities
<b>Original Source Process:</b>	
<b>Maintenance:</b>	GIS Updates: Yearly - March Utilities - Water See update documentation for instructions
<b>Current Info Source:</b>	
<b>Outstanding Issues:</b>	Not part of actual network. Valves are simply points that are placed on top of pipes. An attribute link relates it to a pipe. Position of valve along pipe is a visual relative location compared to the engineering plan. Schematic representation
<b>Update Frequency:</b>	CONTINUOUS

# Data Fields & Domain Information

## Water\_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.			
WATVALVEID	Watvalveid	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.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
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.			
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.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
SOURCE_DATE	Source Date	DATE	GIS maintained field. Date of the source document or information.			
STATUS	Status	VARCHAR2	Indicates the status of feature. A pick list is used for this field - contact GIS for pick list values.	WatValveStatus	OPEN	CLOSED; OPEN; OPEN - PARTIALLY
STATUS_DATE	Status Date	DATE	Database maintained field. Updates to the current date/time when the STATUS field value is changed.			
ROTATION	Rotation	NUMBER				
REL_WATMAIND	Rel Watmainid	NUMBER				
TAG1	Tag1	VARCHAR2	Temporary location to store short term data for mapping purposes only.			
TAG2	Tag2	VARCHAR2	Temporary location to store short term data for mapping purposes only.			
TAG3	Tag3	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.			
TYPE	Type	VARCHAR2		WatValveType		BUTTERFLY; CHECK; GATE; OVERSIZE; RESILIENT SEAT; TAPPING; UNKNOWN

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
MANUFACTURER	Manufacturer	VARCHAR2		WatValveManufacturer		ARI - D90; CAMBRIDGE; EJ; GOLDEN ANDER IND.; H-TECH; MCAVITY/CLOW; MUELLER CANADA; UNKNOWN; VAHN- TECH; VENT-TECH DBV
CONDITION	Condition	VARCHAR2				
CONDITION_DATE	Condition Date	DATE				
OWNERSHIP	Ownership	VARCHAR2	Asset Owner: Who owns the feature, Generally Government agencies such as CITY, REGION and MTO and private citizens and businesses shown as PUBLIC. This usually relates to the property the asset sits on.	OwnershipClass	KITCHENER	CAMBRIDGE; DUAL CITY AND REGION; DUAL CITY AND WRDSB; PRIVATE; REGION; SCHOOL BOARD; UNKNOWN; WATERLOO; WELLESLEY; WILMOT ...See GIS for a complete list...
URNS	Turns	NUMBER				
HOUSING	Housing	VARCHAR2		WatValveHousing		BOX; BURIED; CHAMBER - ROUND; CHAMBER - SQUARE; DRAIN CHAMBER; UNKNOWN
GRID_LABEL	Grid Label	VARCHAR2				
FUNCTION	Function	VARCHAR2		WatValveFunction		AIR RELEASE; BLOWOFF; DRAIN; MAIN; MANUAL AIR RELEASE; MUNICIPAL BOUNDARY; PRESSURE REDUCING; PRESSURE ZONE BOUNDARY; SWAB LAUNCH; UNKNOWN
CROSS_STREET	Cross Street	VARCHAR2				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
INSTALLATION_DATE	Installation Date	DATE	Date the feature was installed			
ACQUISITION	Acquisition	VARCHAR2	Input by GIS staff. Identification of how the city received or acquired the feature. If the feature came through the subdivision process it is considered 'DONATED' and if not it is 'PURCHASED'	PSABAquisition		DONATED; PURCHASED
ENGINEERING_NOTES	Engineering Notes	VARCHAR2	Input by Engineering staff. Open text field for notes.			
CONSULTANT	Consultant	VARCHAR2				
KU_NOTES	Ku Notes	VARCHAR2	Input by Utilities staff. Open text field for notes.			
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...
VALVE_OPENS	Valve Opens	VARCHAR2		GISSide	L	L - LEFT; R - RIGHT; U - UNKNOWN
DEADEND_FLUSHING	Deadend Flushing	VARCHAR2		WatValveDeadendFlushing	N	B - BOTH FALL AND REGULAR; F - FALL; N - NONE; R - REGULAR
CRITICALITY	Criticality	NUMBER		WaterCriticality	-1	-1; 10; 2; 3; 4; 5; 6; 7; 8; 9 ...See GIS for a complete list...
REL_CLEANING_AREA	Rel Cleaning Area	VARCHAR2		WatMainCleanMainArea	0	0; 1; 2; 3; 4; 5; 6
REL_CLEANING_SUBAREA	Rel Cleaning Subarea	VARCHAR2		WatMainCleanSubArea	0	0; 41; 42; 43; 44; 45; 46; 47; 48; 49 ...See GIS for a complete list...

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
REL_WATCHCHAMBERID	Rel Watchchamberid	NUMBER			0	
GEARED	Geared	VARCHAR2		YesNo	N	N - NO; U - UNKNOWN; Y - YES
INTENDED_OPERATING_POSITION	Intended Operating Position	VARCHAR2		WatValveIntOperatingPos	OPEN	CLOSED; OPEN
DEFICIENCY	Deficiency	VARCHAR2		WatValveDeficiency	NONE	BROKEN - NOT OPERABLE; BURIED - UNINTENTIONALLY; BY-PASS BROKEN; HIGH HEAD INSTALLATION NEEDED; LEAKS; MISSING NUT; NONE; PINCHED; ROUNDED NUT
CATEGORY	Category	VARCHAR2		WatMainTreated		TREATED; UNKNOWN; UNTREATED
LRT_HAZARD_ZONE	Lrt Hazard Zone	VARCHAR2		LrtHazardZone	NONE	BUFFER; NONE; ROAD LRT; ZONE A; ZONE B
LOCATION	Location	VARCHAR2	Open text field that describes the location of the feature in more detail.			
VALVE_SIZE	Valve Size	NUMBER	Valve size in mm.	WatPipeSizeInt	0	0; 1200; 19; 300; 350; 400; 450; 600; 750; 900 ...See GIS for a complete list...
PACKING_BOLTS_REPLACED	Packing bolts replaced	VARCHAR2	Packing bolts replaced?	YesNoOnly	N	No; Yes
BONNET_BOLTS_REPLACED	Bonnet bolts replaced	VARCHAR2	Bonnet bolts replaced?	YesNoOnly	N	No; Yes

**\*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