



Corporate Production GIS Metadata

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Layer Name: Storm_Manholes

General Information

Layer Name:	Storm_Manholes
# of Features:	19495
Status:	ACTIVE
Layer Source:	GIS_DATA.STM_MANHOLE
Layer Quality:	Good
Feature Accuracy:	+/- 1m
Type:	POINT
Description:	Inventory of catchbasins, manholes and catchbasin manholes.
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:	Storm Water Manholes: Development & Technical Services - Engineering Design Construction (Sept 2002), Corporate Services - Information Technology - GIS (2002 - current)
History:	August 2004 - Conversion of DGN files maintained by Engineering into SDE September 1 2004 - Conversion of attributes from MS Access database maintained by Engineering into SDE May 2005 QC of conerved attributes June 2005 Input of new Infrastructure August 2005 started updating layer based on Service Agreement: DTS - Engineering : Sanitary, Storm Drainage, Road Infrastructure, Sidewalk, Survey Monumentation. Please see Sevice Agreement for details
Original Source:	INS - Engineering
Original Source Process:	
Maintenance:	Service Agreement: DTS - Engineering : Sanitary, Storm Drainage, Road Infrastructure, Sidewalk, Survey Monumentation. Please see Sevice Agreement for details
Current Info Source:	Ortho Imagery and Kitchener As-builts
Outstanding Issues:	Backlog of New Infrastructure from 2002. 1999 Infrastructure with no Attributes, Prior to 1999 Infrastructure Attributes needed QC started.
Update Frequency:	CONTINUOUS

Data Fields & Domain Information

Storm_Manholes

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.			
STMMANHOLEID	Stmmanhole ID	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.			
STATUS	Status	VARCHAR2	Indicates the status of feature. A pick list is used for this field - contact GIS for pick list values.	GISStatus	ACTIVE	ACTIVE; HISTORIC; PLANNED; UNKNOWN
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.			
ROADSEGMENTID	Roadsegment ID	NUMBER				
PARCELID	Parcel ID	NUMBER	Reference Parcel ID that the feature is located in. The value is either manually entered or generated from a spatial join process.			
QUARTER_GRID_ID	Quarter Grid ID	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...
ROADCONSLIMITID	Road Construction Limit ID	NUMBER				

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
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.			
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.			
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.			
GIS_NOTES	GIS Notes	VARCHAR2	Open text field for outlining any problems or to highlight special characteristics of the feature specific to GIS.			
SHAPE	SHAPE	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
CATEGORY	Category	VARCHAR2	Primary mapping field of the layer. Valid category values are:CATCH BASIN,CATCH BASIN MANHOLE,DOUBLE CATCH BASIN MANHOLE,SIDE INLET CATCH BASIN MANHOLE,SINGLE INLET CATCH BASIN MANHOLE,STORM MANHOLE,TO INPUT,UNKNOWN	StmManholeCategory		CATCH BASIN MANHOLE; DITCH INLET CATCH BASIN MANHOLE; DOUBLE CATCH BASIN MANHOLE; DOUBLE SIDE INLET CATCH BASIN MANHOLE; SIDE INLET CATCH BASIN MANHOLE; SIDE INLET DOUBLE CATCH BASIN MANHOLE; SINGLE INLET CATCH BASIN MANHOLE; STORM MANHOLE
DEPTH	Depth (mm)	NUMBER				
COVER_SHAPE	Cover Shape	VARCHAR2		StmManholeCoverShape		RECTANGULAR; ROUND; SQUARE; UNKNOWN
COVER_TYPE	Cover Type	VARCHAR2		StmManholeCoverType	CB FRAME & GRATE	BIRDCAGE STYLE; DICB; DITCH INLET GRATE; DOUBLE CATCH BASIN; LID; OPEN COVER; PERFORATED; SIDE INLET; SLOPED GRATE (HONEYCOMB); SOLID ...See GIS for a complete list...
COVER_ELEVATION	Cover Elevation (m)	NUMBER				
SUBDRAIN	Is there a Sub-drain	VARCHAR2		YesNoLongOnly	NO	NO; YES
RISER_TYPE	Riser Type	VARCHAR2		StmManholeRiserType	MODULOCK	MODULOCK
INSTALLATION_DATE	Installation Date	DATE	Date the feature was installed			
INSTALLATION_YEAR	Installation Year	NUMBER	Year the asset was installed. Usually a database maintained field.			

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
ACQUISITION	How the manhole was aquired by the city	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'	PSABAacquisition	DONATED	DONATED; PURCHASED
ISSUE_NOTES	Issue Notes	VARCHAR2				
ENGINEERING_NOTES	Engineering Notes	VARCHAR2				
CONSULTANT	Name of consultant that submitted drawings	VARCHAR2				
GROUNDWATER_SYSTEM	Is manhole part of Groundwater System	VARCHAR2		YesNoLongOnly	NO	NO; YES
SAN_SUB_DRAINAGE_AREA	San Sub Drainage Area	VARCHAR2		SanSubDrainageArea		BIEHN; BRIDGEPORT; LOWER SCHNEIDER - UPPER DOON; NONE; UNKNOWN; UPPER SCHNEIDER - SHOEMAKER DIRECT; UPPER SCHNEIDER - VICTORIA; UPPER SCHNEIDER - VOISON; UPPER SCHNEIDER - WESTMOUNT DIRECT ...See GIS for a complete list...
OWNERSHIP	Asset Owner	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		CAMBRIDGE; DUAL CITY AND REGION; DUAL CITY AND WRDSB; PRIVATE; REGION; SCHOOL BOARD; UNKNOWN; WATERLOO; WELLESLEY; WILMOT ...See GIS for a complete list...
PRIORITY_SNOW_CLEARING	Is Priority Snow Clearing Needed	VARCHAR2		YesNoOnly	N	No; Yes
SPLITTER	Is there a Splitter	VARCHAR2		YesNoOnly	N	No; Yes

Column Name	Alias	Data Type	Comments	Domain Name	Default value	Domain Values
CLEANOUT_CATEGORY	Cleanout Category	VARCHAR2		StmCleanoutCategory	NA	COMMERCIAL OR INDUSTRIAL; DRAINAGE AREA; MATURE SUBDIVISION; NA; NEW SUBDIVISION; OLD SUBDIVISION
SUMP	Is there a Sump present	VARCHAR2		YesNoLongOnly	NO	NO; YES
FISH_PLATE	Is there a Fish Plate stamp	VARCHAR2		YesNo	N	N - NO; U - UNKNOWN; Y - YES
LOCATION	Location	VARCHAR2	Open text field that describes the location of the feature in more detail.			
GENERAL_GRID	General Grid ID	VARCHAR2		GridStandardID		277; 563; 582; 583; 584; 585; 586; 587; 607; 608 ...See GIS for a complete list...
CB_INSERT	Is there a Catchbasin Insert	VARCHAR2		YesNoOnly	N	No; Yes
LEGAL_ACCESS	Is there Legal Access	VARCHAR2		YesNoOnly	Y	No; Yes
PHYSICAL_ACCESS	Is there Physical Access	VARCHAR2		YesNoOnly	Y	No; Yes
MAX_MH_WIDTH	Max Manhole Width (mm)	NUMBER				
FLOW_MONITOR_DEVICE	FLOW_MONITOR_DEVICE	VARCHAR2		SanManholeFlowDevice	NONE	ACTIVE; NONE; REMOVED
FLOW_DEVICE_INSTALL_DATE	FLOW_DEVICE_INSTALL_DATE	TIMESTAMP(6)				
FLOW_DEVICE_REMOVE_DATE	FLOW_DEVICE_REMOVE_DATE	TIMESTAMP(6)				
STM_SUB_WATERSHED	STM_SUB_WATERSHED	VARCHAR2				

***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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