

# Corporate Production GIS Metadata

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## Layer Name: Building\_Outlines

### General Information

<b>Layer Name:</b>	Building_Outlines
<b># of Features:</b>	112021
<b>Status:</b>	ACTIVE
<b>Layer Source:</b>	GIS_DATA.BUILDING
<b>Layer Quality:</b>	Good
<b>Feature Accuracy:</b>	+/- 1m
<b>Type:</b>	POLYGON
<b>Description:</b>	Digitized building footprints from 1997, 2000 and 2003 ortho imagery and now using Site Plans and Building Surveys to update. The footprint is the base of the building.
<b>Projection:</b>	NAD 83 UTM Zone 17N (EPSG 26917)
<b>Disclaimer:</b>	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

<b>Source Map Label:</b>	Building Footprints: Corporate Services - Information Technology - GIS (Ortho Imagery - April 2003, building surveys and site plans 2002-current)
<b>History:</b>	Co-op students were used during the summer and fall of 2000 to digitize from the 1997 Ortho Imagery, the building footprints for the entire City. The methodology for creating building footprints was base on the fact that all footprints must be drawn with square corners (90 degrees or right angle corners) where they appear to exist and are polygon shapes. The footprints are drawn at the base of the building where the longest visible wall and corner could be seen. The original classification of Building Types are single Detached Homes (including Detacted Garages), Townhouses, Apartments, Commercial/Industrial, Agricultural, and Semi Detached Homes. This classification is still in use and has not been verified by any other sources other than what it looked like on the Ortho and personal knowledge about the city. In January of 2001, building permit reports were used to from Amanda to update the existing data layer to add and remove any visible buildings from the updated April 2000 imagery. In September of 2002, GIS Assistant used digital or scanned drawings of Site Plans from Planning to add new building footprints. However, only multi-residential (> than 3 storeys), industrial and commercial building footprints have been added 2001 and 2002. All other building types are not required to have site plans. Building footprints were again reviewed and updated using the April 2003 Ortho Imagery.
<b>Original Source:</b>	CS - Planning
<b>Original Source Process:</b>	
<b>Maintenance:</b>	Currently updated when new Ortho Imagery is flown which is every 3 year. Last updated April 2003. Building permits were used to determine building which had been demolished between April 2000 and April 2003. Site plans for residential properties over 3 stories or all industrial/Commercial properties are added as they are recieved from Planning. Residential buildings are added using scans of Surveyor's Real Property Reports. A status of Pending is added for site plans.
<b>Current Info Source:</b>	Survey drawings submitted with building permit process as well as drawings submitted through site plan approval.
<b>Outstanding Issues:</b>	Need to work with the Amanda staff to provide reports to notify GIS of demolitions and additions. Used in <a href="https://www.statcan.gc.ca/en/lode/databases/odb">https://www.statcan.gc.ca/en/lode/databases/odb</a> from open data
<b>Update Frequency:</b>	ON DEMAND

### Data Fields & Domain Information

#### Building\_Outlines

Column Name	Alias	Data Type	Comments	Domain Name	Default Value
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.		
BUILDINGID	Buildingid	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_DATE	Create Date	DATE	Database maintained field. Updates to the current data/time. Update takes place when the feature is created.		
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.		
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.		
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.		

Column Name	Alias	Data Type	Comments	Domain Name	Default value
SOURCE	Source	VARCHAR2	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.		
STATUS	Status	VARCHAR2	Indicates the status of feature. A pick list is used for this field - contact GIS for pick list values.	BuildingStatus	
STATUS_DATE	Status Date	DATE	Database maintained field. Updates to the current date/time when the STATUS field value is changed.		
BUILDING	Building	NVARCHAR2	Last known building name		
CATEGORY	Category	VARCHAR2	Primary mapping field of the layer. Valid category values are:AGRICULTURE,APARTMENT,COMMERCIAL,COMMERCIAL INDUSTRIAL,CONDOMINIUM,GARAGE,INDUSTRIAL,INSTITUTIONAL,MISCELANEOUS,MULTIRESIDENTIAL,SEMI DETACHED,SHED,SINGLE HOMES,TOWNHOUSE,UTILITY	BuildingCategory	
SUBCATEGORY	Subcategory	VARCHAR2	Secondary mapping field of the layer.Valid subcategory values are:COMMUNITY RESOURCE,EDUCATION FACILITY,EMERGENCY SERVICE,GOVERNMENT SERVICE,OTHER,PLACE OF WORSHIP,POINT OF INTEREST,UNDERGROUND	BuildingSubCategory	
PARCELID	Parcelid	NUMBER	Reference Parcel ID that the feature is located in. The value is either manually entered or generated from a spatial join process.		
NOTES	Notes	VARCHAR2	Descriptive text outlining any problems or to highlight special characteristics of the feature.		
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.		
UNITS	Units	NUMBER	Estimated number of units in the building		
STORIES	Stories	NUMBER	Estimated or know building number of stories		-1
MUNICIPALITY	Municipality	VARCHAR2	Municipality that the feature is in. The value is either manually entered or generated from a spatial join process.		KITCHEN
SHAPE	Shape	ST_GEOMETRY	ESRI system maintained field. Stores the geometry type and geometry of the feature.		
LOCATION	Location	VARCHAR2	Open text field that describes the location of the feature in more detail.		
YEAR_BUILT	Year Built	VARCHAR2	Year the building was built		
YEAR_BUILT_DESC	Year Built Desc	VARCHAR2	Quality of the year built date as either CONFIRMED, ESTIMATED or MPAC. Data tagged as MPAC comes from SAS.ASMT_CC.YR_BUILT through a trigger on MAIN_PROPERTYUNITID. City building year built is from Operations	BuildingYearBuilt	
MAJOR_MINOR	Major or Minor based on building size	VARCHAR2	Buildings over 500sq m are considered MAJOR all other MINOR. This was originally put in for PSAB purposes		
MAIN_PROPERTYUNITID	Main Propertyunitid	NUMBER	Main address of a building. Generally it is the base address without units and contains the mail roll number for the property		
PSAB	Include in PSAB reporting	VARCHAR2	If the building is exported to PSAB	YesNoOnly	N
FIRE_PRIORITY	Fire Priority	VARCHAR2	Priority rating of either 0 or 1 with priority buildings given a 1		0
FIRE_HAZARD	Fire Hazard	VARCHAR2	Fire hazard rating from 0 to 4		0
CITY_FACILITY	City Facility	VARCHAR2	If the building is considered a city facility in Cityworks	YesNo	N
YEAR_RENOVATED	Year Renovated	VARCHAR2	Year the building had a major renovated		
YEAR_RENOVATED_DESC	Year Renovated Desc	VARCHAR2	Decription of quality of the YEAR_RENOVATED data. City owned building the data came from Operations		
GROSS_FLOOR_AREA_M2	Gross Floor Area M2	NUMBER			
BUILDING_3M_ROW	Building is within 3m of right of way	VARCHAR2	Parcels that have a CATEGORY field value of ROW are what are used to calculate if the building is within 3.01 metres.	YesNoOnly	N

Column Name	Alias	Data Type	Comments	Domain Name	Default value
MPAC_LAND_USE	MPAC_LAND_USE	VARCHAR2		MPACLandUseDescription	
OCCUPANCY_TYPE	OCCUPANCY_TYPE	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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City of Kitchener Corporate Database