Water and Wastewater Modelling Demand Table - Site Plan applications

Version - January 2023

		units	persons
Proposed Residential[1)]			
	Singles/Semis		
	townhouses		
	large apartments (>750sqft)		
	small apartments (<=750sqft)		
Total Proposed Residential			
Proposed Institutional Population[2)]			
Proposed Employment Population[3)]			
Total			

Proposed GFA (commercial/retail) (sqm)	

WATER CONNECTION

Hydrant flow test				
	Hydrant flow test locations [4)]			
		Pressure (kPa)	Flow (in l/s)	Time
	Minimum water pressure			
	Maximum water pressure			

No.	**Water demands**				
	Demand type	**Demand (in l/s)**			
		Use 1 [6)]	**Use 2 [6)]**	**Use 3 [6)]**	**Total**
1	Average day flow				
2	Maximum day flow				
3	Peak hour flow				
4	Fire flow [5)]				
Analysis					
5	Maximum day plus fire flow				

WASTEWATER CONNECTION

		Discharge Location[7)]	**Flow**
6	Wastewater sewer effluent (in l/s)		
7	Wastewater sewer effluent (in l/s)		
8	Wastewater sewer effluent (in l/s)		
9	Total Wastewater sewer effluent (in l/s)		

[1)] For the design flow calculations, please consider the following PPU's, which are found in the Region of Peel 2020 DC Background Study

☐Singles/Semi – 4.2

☐Multiples (Townhouses) – 3.4
☐Large Apartments (larger than 750 square feet) – 3.0
☐Small Apartments (equal to or less than 750 square feet) – 1.6

[2)] refer to Region of Peel design criteria

[3)] For the commercial and industrial design flow calculations, please use your site specific estimated population or the most current Ontario Building Code Occupant Load determination

[4)] Please include the graphs associated with the hydrant flow test information table

[4)] Hydrant flow tests should be performed within 2 years of submisison to the Region.
The Region will not permit hydrant flow tests during the winter, please check with the Region for scheduling

[5)] Please reference the Fire Underwriters Survey Document

[6)] Please identify the flows for each use type, if applicable

[7)] Please include drainage plan for mutliple discharge locations

The calculations should be based on the development proposal
All required calculations must be submitted with the demand table submission
Table shall include Professional Engineer's signature and stamp
Site servicing concept shall be included

This table will be deemed complete when all the above is submitted and/or included. Modelling will commence with a complete table.