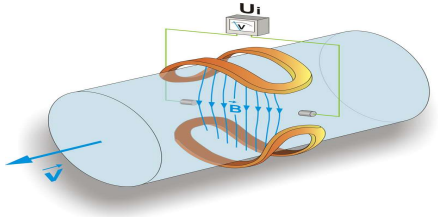
Water Data Card

City of Ottawa



fax: (613) 728-4183
phone: 311 x
REV0_2023

Part A - Identification

Water Meter Service Address:	370 Cambridge Street North
Project Proposed (New / Existing):	New
Property Owner:	2250276 Ontario Inc.
Building Service Class (BSC):	Apartment Less Than 5 Floors
Questionnaire Completed by:	T. Mak & M. DiSabato
Contact Phone Number:	613 837 5516
Mechanical Contractor (if applicable):	
Mech. Contact Phone Number:	
Submission Date: (dd-mmm-yy)	Today is: 20-Oct-23

Part B - Fixtures *

Fixture Description	# of Fixtures
Bathtub	15
Bedpan Washers	
Bidet	
Dental Unit	
Drinking Fountains	
Faucet (kitchen sink)	20
Faucet (lavatory)	24
Shower (single head)	9
Utility Sink	1
Toilet (flush valve)	
Toilet (tank)	24
Urinal (flush valve)	
Urinal (wall or stall)	
Dishwasher	20
Clothes Washer	20
1/2" Hose (50 ft. Wash Down)	
5/8" Hose (50 ft. Wash Down)	3
3/4" Hose (50 ft. Wash Down)	

Enter Continuous Demand below (if applicable) *

fixture description	Qty.	(L/min)
		0.0
		0.0
		0.0

Note: Irrigation is assumed to occur off peak demand period.

Water Data Card - Instructions and Definitions

Owner/Applicant to complete Parts A, B and C and return to City of Ottawa

Water Meter Service Address

Contact the Customer Service Department at (613) 580-2424 ext 22300, to determine the service address for existing meters. New service addresses will be assigned by the City, and may differ from the Property Address.

Project Proposed (New / Existing)

New - No previous meter for the address Existing - Previous meter at this address; includes any additions, renovations or meter sizing reviews.

Building Service Class - Class Code

Single Detached - R1, Semi Detached - R2 Duplex - R3, Row & Townhouse - R5
Apartment Less Than 5 Floors - R7
Apartment With More Than 4 Floors - R8
Residential - Commercial - RC
Government & Private Offices - OF
Regional Shopping Center - C1
Strip Mall - C2, Other Commercial - C3
Transportation Facility - TR
Agricultural Farms - AG, Utilities - UT
Active Recreational Facilities - RA,
Passive Recreational Facilities - RP, Indust-Manuf Warehousing &Whole - M1 Industrial Mall - M2, Elementary School - I1
Secondary School - I2
Post-Secondary School - I3
Hospital, Rehab/Nursing Home - I4
Other Institutions - I5, Vacant Land - V1

Length of Private Main (if applicable)

Do you have watermains on your property? Private watermains are potable water pipes that supply water to water services and hydrants. The length of private watermain is the cummulative length measured from the property line to any connected private hydrant. All other pipes on private property are defined as "water services".

Maximum Fire Flow Available

NOTE: Complete only if your site has Private Hydrant's
The highest calculated flow rate achievable from a maximum of two private hydrants flowing simultaneously @ 20 psi dynamic, through any one City connection. This calculation is likely obtained through a hydraulic analysis.

Phased Development?

Often larger developments or projects are phased over several years which means oversizing piping initially to meet anticioated future demand requirements. Water meters will be sized for the initial phase with provision for the installation of a larger meter in the future when the expansion occurs.

Elevation Differential (supply main elevation minus meter elevation)

Calculate the "elevation differential" between the watermain and the meter. Watermains are typically buried 2.4m below grade.

Static Main Pressure @ Property Line

The pressure is used for determining meter sizing. Please use City of Ottawa - Water Distribution System Facilities & Feedermains to calculated static pressure at service entry point to subject property.(Refer to Tab MAP)

Service Length (watermain to meter)

"Water service" means a potable water pipe of any size, tapped or teed from a watermain to a building.

Pipe Diameter (outlet side of meter)

Pipe diameter downstream of the water meter is used to evaluate water meter sizing. This pipe may in some cases be refered to as the "header".

Fixture Value Total

Each plumbing fixture is given a fixture unit value. "Fixture values", (FV) are used for water meter sizing purposes. Completion of Part B - Fixtures will assist in determining the Fixture Value Total.

Maximum/Peak Demand (Domestic)

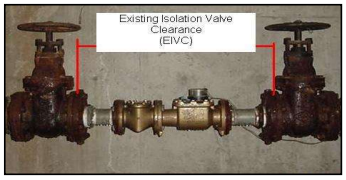
The maximum/peak demand is used for meter and service sizing and has been calculated based upon AWWA standard curves.

Continuous Demand (if applicable)

Continuous demands are known demands expressed in (US) gallons/min. For example a new car wash will use 20 USGPM. Continous requirments for water are typically seen in industry and manufacting. (Do not include the usgpm requirements for closed systems).

Existing/Minimum Isolation Valve Clearance

Existing Installations - the distance (flange to flange) between the meter isolation valves in millimeters.
New Installations - the minimum distance (flange to flange) to be maintained between the meter isolation valves in millimeters.



Required Fire Flow @ 20 psi (FUS or OBC)

NOTE: Complete only as required by the Approvals Department.
Some developments may require a Site Servicing Study. In these cases, or as directed by the City, the required fire flow @ 20 psi must be calculated. Boundary conditions can be provided upon

request by the City.

Part C - Technical Information

		Value	Units	Response
Property Area	*Class Code : R7*	0.06	ha	.01 to 200
# of Connections to City Watermain:		1		0 to 20
# of Buildings on Site:		1		0 to 100
Length of Private Main (if applicable)			km	.01 to 100
# of Private Hydrants on Property:		0		0 to 200
Maximum Fire Flow Available			l/min.	1,000 to 50,000
Phased Development?		No		yes/no
Static Main Pressure @ Property Line		*54*	***psi***	*36 to 99*
Service Length (supply main to meter)		*10.0*	***m***	*2 to 1,500*
Service Dia. (supply main to building)		*100*	***mm***	*19 to 406*
Supply main elev. minus meter elev.		*-2.0*	***m***	*-30 to 30*
Existing Isolation Valve Clearance:			mm	190 to 3,000
Meter Isolation Valve Size:			***in***	*3/4" to 6"*
Pipe Dia. (outlet side of meter)			***mm***	*19 to 406*
Required Fire Flow @ 20 psi			l/sec	*10 to 1000*
# of Units/Suites/Apts		20		1 to 2,000
# of Stories (above grade)		4		1 to 50
Booster Pumps (Domestic Supply)				yes/no
Booster Pumps (Fire Protection)				yes/no
				Calc. Value
Fixture Value Total			(FV)	510
Maximum/Peak Demand (Domestic)			***l/min.***	182
Continuous Demand (if applicable)			***l/min.***	0
		0	total	***182***

Office #45219 Use Only

	Date	20-Oct-23	*dd-mmm-yy*	20-Oct-23
		^PIN incorrect^		
		0	l/min.	
		20	psi	Static PSI=54
			psi	
			psi	
			psi	
Meter Size/Type			HL@ GD >	
			Safe max.	
template size/length			mm (B)	
Min. Isolation Valves Clearance (MIVC)			mm (A)	