CITY OF VICTORIA

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HYDRAULIC LOAD CALCULATION

Complete the following to determine City Water Service Pipe Size and Private Water Service Pipe Size requirements (see over for instruction)

Table A - Fixture Hydraulic Load Calculation for Water Service Pipe Size:
Single Family Dwelling, Garden Suites or Duplexes

Indicate all buildings or areas serviced by your metered water connection. Each meter connection requires a separate form.

☐ Single Family Dwelling ☐ Duplex ☐ Secondary Suite ☐ Garden Suite

Fixture or Device	Fixture Units (A)	Qty of Fixtures (B)	Load (A x B)
Bathroom Group - three fixtures only (1 toilet, 1 basin and 1 bathtub or 1 shower stall = 1 Bathroom group)	3.6		
Bathtub	1.4		
Clothes Washer	1.4		
Dishwasher	1.4		
Hose bibb – ½" (Outside Tap)	2.5		
Sink, bar	1		
Sink, Bathroom (Lavatory or Basin)	0.7		
Sink, kitchen	1.4		
Sink, laundry (1 or 2 compartments)	1.4		
Shower stall (1 shower valve)	1.4		
Water closet (Toilet)	2.2		
Use TOTAL to determine Size Requirements in Tables B and C		**TOTAL LOAD =**	0

Table B - Private Water Service Pipe (Private Property)

If existing size is under the proposed total load number, please select the proposed increased size under required.

MAX ALLOWED **TOTAL LOAD**	**Required Pipe Size**	**Completed by Applicant**	
		Existing	**Required**
7	½"	☐	☐
16	¾"	☐	☐
31	1"	☐	☐
57	1¼"	☐	☐

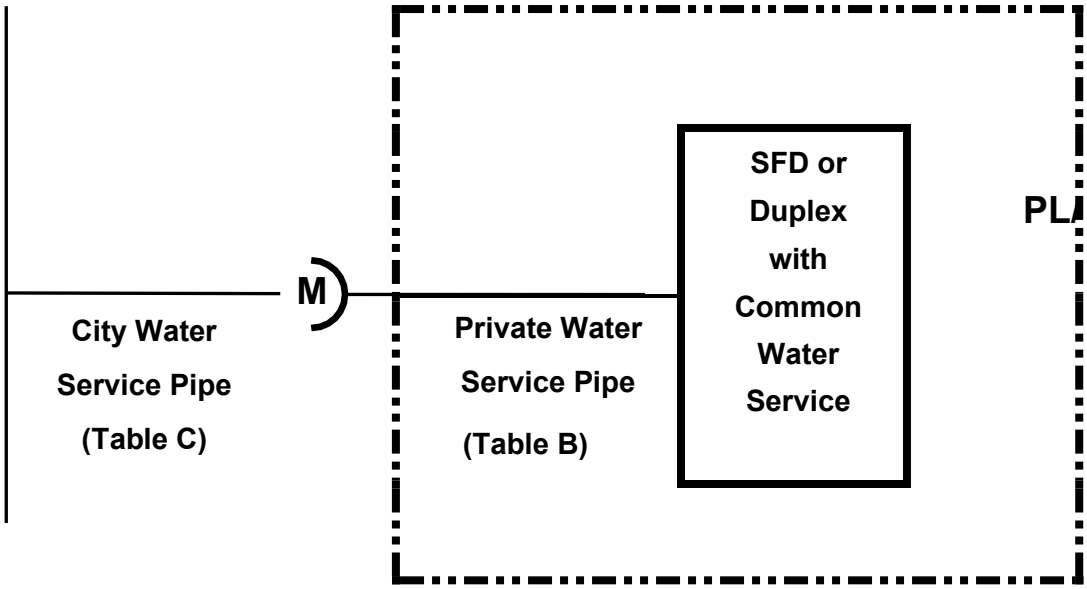
Table C - City Water Service Pipe Size (Street to Property Line)

MAX ALLOWED **TOTAL LOAD**	**Required Pipe Size**	**Internal Use Only**	
		Existing	**Required**
16.4	Existing ½" (meter size)	☐	☐
23.6	Existing ¾" (meter size)	☐	☐
43	1"	☐	☐
146	1½"	☐	☐

Fixture Hydraulic Load Calculation

Water Service Pipe and Meter Size — SFD and Duplexes

Diagram 1



Sizing Procedure

1. Determine TOTAL LOAD value by completing Table A
2. Determine Private Water Service Pipe Size requirements from Table B using TOTAL LOAD from Table A.
3. Determine City Water Service Pipe Size requirements from Table C using TOTAL LOAD from Table A.

Note:

- When completing Table A, include ALL fixture units serviced by a single meter connection. This might include plumbing fixture unit loads for accessory buildings or other features on the property.