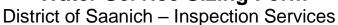
District of Saanich 770 Vernon Avenue Victoria BC V8X 2W7 t. 250-475-5457 **f.** 250-475-5418 Inspections@saanich.ca

## **Water Service Sizing Form**





Address:	Da	ite:

## **Number of Fixtures an Fixture Units (2018 Code)** for Single Family Dwelling/Duplex Plumbing Applications

		1	1
	No. of Fixtures	FU load/fixture	Total Fu
Bar Sink		.75	
Basin*		.7	
Bathtub (with or without shower)		1.4	
Clothing Washer		1.4	
Dishwasher		1.4	
Kitchen Sink**		1.4	
Laundry Sink**		1.4	
Shower (per head)***		1.4	
Water Closet)****		2.2	
Bathroom Group		3.6	
Sub Total			
5.1	Ī	l	Ī

Hose Bibs	2.5	

## FIXTURE UNITS/HYDRAULIC TOTALS

	No. of
	installed
SFD Service Laterals	
C. D. Co. Vico Euterale	
Area Sump/Catch Basin	
Irrigation System	
Swimming Pool	
Sprinkler Heads (first 5)	
Additional Heads (each 10)	
Sewer/Drain/Water	
Floor Drains	

<sup>\*1.0</sup> FU if greater than 8.3 LPM

## **Sizing of Water Distribution Systems**

	Water Velocity, m/s		Pipe velocity	
<u>Size</u> of Water Pipe, inches	3.0	2.4	1.5	1.5 m/s (5ft/s)
• •	Max. Hydraul	c Load,	fixture units	<ul> <li>copper hot</li> </ul>
1/2	8	7	4	2.4 m/s (8ft/s)
3/4	21	16	9	<ul> <li>copper cold</li> </ul>
1	43	31	18	<ul><li>plastic</li></ul>
1 1/4	83	57	30	

Min. Water Pipe Size ***	
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<sup>\*\*2.0</sup> FU if greater than 8.3 LPM

<sup>\*\*\*2.0</sup> FU if greater than 9.5 LPM

<sup>\*\*\*\*3.0</sup> FU if greater than 6 LPF