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HYDRAULIC LOAD CALCULATION

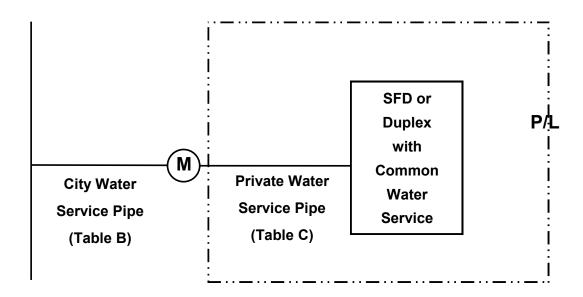
Complete the following to determine City Water Service Pipe Size and Private Water Service Pipe Size requirements (see over for instruction)

Table A - Fixture Hydraulic Load Calculation	on for Water Serv	vice Pipe Size:	
Single Family Dwelling, Garden	Suites or Duple	xes	
Indicate all buildings or areas serviced by your metered water connect	ction. Each meter co	onnection requires a	separate form.
☐ Single Family Dwelling ☐ Duplex ☐ Sec	ondary Suite □ Ga	arden Suite	
Fixture or Device	Fixture Units	Qty of Fixtures	Load
Fixture or Device	(A)	(B)	(A x B)
Bathroom Group - three fixtures only	3.6	2	7.2
(1 toilet, 1 basin and 1 bathtub or 1 shower stall = 1 Bathroom group)			$(3.6 \times 2 = 7.2)$
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 =	
		1	

Table B - City Water Service Pipe Size (Street to Property Line)						
MAX ALLOWED TOTAL LOAD	Required Pipe Size	Select One	(Internal Use) PSR Initial			
			Existing	Required		
16.4	Existing ½" (meter size)					
23.6	Existing ¾" (meter size)					
21	New 3/4"					
43	1"					
146	1½"					

Table C - Private Water Service Pipe (Private Property)						
MAX ALLOWED TOTAL LOAD	Required Pipe Size	Select One	Completed by Applicant			
			Existing	Required		
7	1/2"					
16	3/4"					
31	1"					
57	11⁄4"					

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 City Water Service Pipe Size requirements from Table B using TOTAL LOAD from Table A.
- 3. Determine Private 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.