



In order to determine the required water meter and water supply line size, the following information must be provided and completed by the applicant.

Address of Project: \_\_\_\_\_

1) Total number of water supply fixture unit values: (IRC P2903.6)

TYPE OF FIXTURE OR GROUP OF FIXTURES	NUMBER OF FIXTURES			FIXTURE UNIT VALUE		TOTAL FIXTURE UNITS
	EXST	ADD'L				
Bathtub (with/without overhead shower)			X	1.4	=	
Clothes Washer			X	1.4	=	
Dishwasher			X	1.4	=	
Full-Bath Group with Bathtub (with or without shower head) or Shower Stall			X	3.6	=	
Half-Bath Group (water closet and lavatory)			X	2.6	=	
Hose Bibb (include only 2)			X	2.5	=	
Kitchen Group (dishwasher and sink with or without garbage disposal)			X	2.5	=	
Kitchen Sink			X	1.4	=	
Laundry Group (clothes washer standpipe and laundry tub)			X	2.5	=	
Laundry Tub			X	1.4	=	
Lavatory			X	0.7	=	
Shower Stall			X	1.4	=	
Water Closet (tank type)			X	2.2	=	
Other* (Specify)			X		=	
Other* (Specify)			X		=	
<b>Total</b>						

\*For fixture unit values not listed, choose a fixture with similar flow characteristics (IRC P2903.6(1))

- 2) Maximum fire sprinkler flow rate = \_\_\_\_\_ gpm
- 3) Total developed length of the water supply line from the water meter to the most remote water using fixture (this includes hot and cold-water branches) = \_\_\_\_\_ feet multiplied by 1.2 (compensation for the pressure loss through fittings) = \_\_\_\_\_ feet. (IRC AP201.3)
- 4) Base water pressure = \_\_\_\_\_ psi
- 5) The highest water supply outlet is \_\_\_\_\_ feet above / below the elevation at the water meter.  
(circle one)

For more information or for a copy of this publication in an alternate format, contact Planning & Development at (602) 262-7811 voice / (602) 534-5500 TTY.

**Calculating Adjusted Water Pressure:**

<b>Base Water Pressure:</b>	psi
<b>Pressure Reducing Valve:</b> (If a pressure reducing valve is installed, reduce the base water pressure by 20%)	psi
<b>Elevation Difference:</b> (Where the highest water supply outlet is located above the source of supply, deduct 0.5 psi for each foot of difference in elevation. Where the highest water supply outlet is below the source of supply, add 0.5 psi for each foot of difference in elevation)	psi
<b>Special Equipment:</b> (Deduct all pressure losses caused by special equipment such as a backflow preventer, water filter, or water softener. Pressure loss data shall be obtained from the manufacturer of such equipment. <b>The applicant must submit this information at the time of permit application.</b> )	psi
<b>Special Plumbing Fixtures:</b> Deduct pressure in excess of 8 psi caused by the installation of special plumbing fixtures such as pressure balanced or thermostatic mixing bath tubs, bidets, or showers and flushometer tank water closets. See IRC Table P2903.1 for residual pressure at point of outlet discharge.	psi
<b>Adjusted Water Pressure:</b>	psi

Note: If the base water pressure is unknown or not available, use the lowest pressure range available per IRC Table AP201.1. In this case, the adjusted water pressure does not need to be calculated.

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Adjusted Water Pressure:	_____ psi (See reverse side for calculating AWP)
Water Meter Size:	_____ (Per PDD Technical Guideline for Water Meter Sizing)
Supply Line Size:	_____ (Per IRC Table AP201.1)