



Water Meter Sizing Calculations

Single-Family Residential

Plan Check Number: 9300-24

Date: 1/28/2025 **3/5/2025**

To determine the water meter fee, the water development fee and the sewer connection fee, we must know the size of the water meter required for the residence. To determine the correct size, please provide the following essential information.

This does NOT permit the violation of any section of any federal, state or local regulations.

1. Total number of fixture units (FU's) of all water using outlets is:

Type of Fixture	FU's		Existing Fixture Count		New Fixture Count		Total FU's
Bidet	2	X	0	+	0	=	0
Bathtub (with/without shower head)	1.4	X	0	+	1	=	1.4
Clothes washer	1.4	X	0	+	1	=	1.4
Dish washer	1.4	X	0	+	0	=	0
Full-bath group with bathtub (with or w/o shower head) or shower stall	3.6	X	0	+	6	=	21.6
Half-bath group (water closet & lavatory)	2.6	X	0	+	2	=	5.2
Hose bibb (sillcock)	2.5	X	0	+	5	=	12.5
Kitchen group (dishwasher & sink with/without grinder)	2.5	X	0	+	1	=	2.5
Kitchen sink	1.4	X	0	+	3	=	4.2
Laundry group (clothes washer & laundry tub)	2.5	X	0	+	1	=	2.5
Laundry tub	1.4	X	0	+	0	=	0
Lavatory	0.7	X	0	+	1	=	.7
Shower stall	1.4	X	0	+	1	=	1.4
Water closet (tank type)	2.2	X	0	+	0	=	0
*Other		X		+		=	
					Total	=	53.4

**Water supply outlets for items not listed above shall be computed at their maximum demand, or according to the size of the supply pipe as indicated in the currently adopted International Plumbing Code; whichever is greater.*

- Total length of the piping from the water meter to the farthest water-using outlet/fixture is: 190' lineal feet.
- Local water service pressure is 72 pounds per square inch (psi).
- Total square footage under roof: 9,824 SF **

****When the TOTAL square footage within exterior enclosing walls under roof exceeds 12,000 sq ft, the minimum required meter size shall be not less than 1-1/2", and the minimum supply from the meter to the building shall be not less than 2" ID pipe.**

It is the owner/builders responsibility to conduct a water pressure test at your site or as near as possible to your site. Your building permit cannot be issued until you have obtained this info. An approved type pressure regulator is required to be installed

Owner/Agent: Bret Overmyer

Phone: (602) 292+6350

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Signature: Bret Overmyer

Digitally signed by Bret Overmyer
Date: 2025.01.28 12:39:05 -07'00'

To be completed by the Plans Examiner

Size of Meter **1" min**

Size of Building Supply **1-1/4" min**

Date: 1/28/2025

When approved by the City of Scottsdale, the Applicant shall deliver a copy of this form, or the City approved plans, to the Fire Sprinkler Designer to use in the calculation of the fire sprinkler system. Verification of the Meter size must accompany Fire Sprinkler plans submitted for review .

PLANNING AND DEVELOPMENT SERVICES

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