

COASTSIDE COUNTY WATER DISTRICT

WATER FLOW REQUIREMENTS FOR PRIVATE PLUMBING FIXTURES

In order to determine the size of water meter that is required for private uses, the water demand requirements must first be calculated. Each plumbing fixture is assigned a fixture unit value as determined by the California Plumbing Code. **Private uses apply to plumbing fixtures in residences and apartments, private bathrooms in hotels and hospitals, and restrooms in commercial establishments where the fixtures are intended for the use of a family or an individual.**¹

This table is to be used for computing the plumbing fixture demand for private uses only. Please contact the District for the public plumbing fixture unit calculation sheet.

<i>Appliances, Appurtenances or Fixtures</i>	<i>Fixture Unit Value</i>
Dishwasher	1.5
Hose Bib	2.5
Hose Bib, each additional ²	1
Shower (each head)	2
Clothes Washer	4
Bathtub or Combination Bath/Shower (fill)	4
" Bathtub Fill Valve	10
<i>Sinks</i>	
Bar	1
Lavatory (Bathroom)	1
Kitchen	1.5
Laundry/Service	1.5
<i>Water Closet (Toilet)</i>	
1.6 GPF Gravity Tank	2.5
1.6 GPF Flushometer Tank ³	2.5
1.6 GPF Flushometer Valve ⁴	5
Greater than 1.6 GPF Gravity Tank (3, 5, or 7 GPF)	3
Greater than 1.6 GPF Flushometer Valve (3, 5, or 7 GPF)	7

Service Connection Size	Peak Flow (Gallons Per Minute)	Total Fixture Units
5/8" x 3/4"	20 gpm	30
3/4"	30 gpm	50
1"	50 gpm	125

*If the total fixture unit count is over the allotted service connection size, please contact the District office for more information.

¹ 2001 California Plumbing Code: California Code of Regulations Title 24, Part 5.

² Reduced fixture unit loading for additional hose bibs as used is to be used only when sizing total building demand and for pipe sizing when more than one hose bib is supplied by a segment of water distributing pipe. The fixture to each hose bib shall be sized on the basis of 2.5 fixture units.

³ Flushometer Tank- a tank integrated within an air accumulator vessel that is designed to discharge a predetermined quantity of water to fixtures for flushing purposes.

⁴ Flushometer Valve- a valve that discharges a predetermined quantity of water to fixtures for flushing purposes and is actuated by direct water pressure.

WORKSHEET FOR SIZING OF PRIVATE WATER SERVICE CONNECTIONS

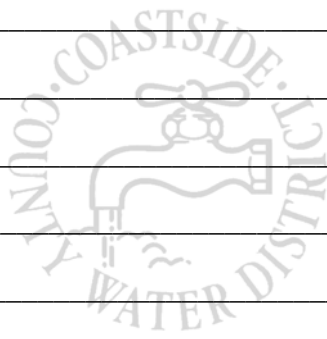
Customer Name: _____

Mailing Address: _____

Site Address: _____

Assessors Parcel Number: _____

Type of Occupancy: _____



Place the number of fixtures in the private building or structure under the “# of Fixtures” column and multiply by the Fixture Unit Value to get the Total Value. For questions, please contact the District office at 766 Main Street, Half Moon Bay or by calling (650) 726-4405.

<i>Appliance or Fixture</i>	<i>Fixture Unit Value</i>	<i># of Fixtures</i>	<i>Total Value</i>
Dishwasher	1.5	x	=
Hose Bib	2.5	x	=
Hose Bib, each additional	1	x	=
Shower (each head)	2	x	=
Clothes Washer	4	x	=
Bathtub or Combination Bath/Shower (fill)	4	x	=
_” Bathtub Fill Valve	10	x	=

Sinks

Bar	1	x	=
Lavatory (Bathroom)	1	x	=
Kitchen	1.5	x	=
Laundry/Service	1.5	x	=

Water Closet (Toilet)

1.6 GPF Gravity Tank	2.5	x	=
1.6 GPF Flushometer Tank	2.5	x	=
1.6 GPF Flushometer Valve	5	x	=
Greater than 1.6 GPF Gravity Tank	3	x	=
Greater than 1.6 GPF Flushometer Valve	7	x	=

Total Fixture Unit Value _____