

# WATER

B-20-0306

## Plumbing Fixture Plan Review

### System Development Charge Calculation Sheet Based on Fixture Unit Weight (FUW)

All water systems shall have water hammer arrestors and shall be accessible - Sec: 609.10 UPC

Appliances, Appurtenances or Fixtures	No Change to Existing Fixture	Existing Fixture Relocated or Replaced	Existing Fixture Removed Not Replaced	New Fixture Added Not a Replacement	FUW Count For Each Item	Total FUWs City to complete
Bathtub or combination bath/shower					4	
Bidet - Private					1	
Clothes washer					4	
Dental unit, cuspidor					1	
Dishwasher, domestic					1.5	
Drinking fountain or water cooler - Private/Public				2	0.5	1
Drinking fountain or water cooler - Assembly					0.75	
Hose bib					2.5	
Hose bib, each additional					1	
Lavatory (bathroom sink)				8	1	8.0
Pedicure basin					1	
Shower, per head					2	
<b>SINKS</b>						
Bar sink - Private					1	
Bar sink - Public					2	
Clinic Faucet - Public					3	
Clinic flushometer valve with/without faucet - Public					8	
Kitchen, domestic					1.5	
Laundry					1.5	
Service or mop basin - Private					1.5	
Service or mop basin - Public					3	
Wash-up, each set of faucets - Public					2	
Wash fountain, circular spray - Public					4	
<b>URINALS</b>					2	
Urinal, 1.0 GPF Flushometer valve - Public				3	4	12
Urinal, 1.0 GPF Flushometer valve - Assembly				<del>1</del>	5	<del>15</del>
Urinal, <i>greater</i> than 1.0 GPF Flushometer valve - Public					5	<del>15</del>
Urinal, <i>greater</i> than 1.0 GPF Flushometer valve - Assembly					6	
Urinal, flush tank - Private or Public					2	
Urinal, flush tank - Assembly					3	
<b>WATER CLOSETS</b>						
Water closet, 1.6 GPF Gravity tank/Flushometer tank - Private/Public					2.5	
Water closet, 1.6 GPF Gravity tank/Flushometer tank - Assembly					3.5	
Water closet, 1.6 GPF Flushometer valve - Private/Public				12	2.5	30
Water closet, 1.6 GPF Flushometer valve - Assembly				<del>1</del>	3.5	<del>4</del>
Water closet, <i>greater</i> than 1.6 GPF Gravity tank - Private					3	
Water closet, <i>greater</i> than 1.6 GPF Gravity tank - Public					5.5	
Water closet, <i>greater</i> than 1.6 GPF Gravity tank - Assembly					7	
Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - Private					7	
Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - Public					8	
Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - Assembly					10	
<b>TOTALS</b>						<del>6</del> LL 51

**Contact Engineering Services for current System Development fee information**

FORM PREPARED BY: Todd Stakset DATE: November 10, 2020

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02.09.21-Jeff Brown Architecture revised

**SANITARY SEWER**

**Plumbing Fixture Plan Review  
System Development Charge Calculation Sheet Based on Fixture Unit Weight (FUW)**

Appliances, Appurtenances or Fixtures	No Change to Existing Fixture	Existing Fixture Relocated or Replaced	Existing Fixture Removed Not Replaced	New Fixture Added Not a Replacement	FUW Count For Each Item	Total FUWs City to complete
Bathtub or combination bath/shower					2	
Bidet – 1 ¼”					1	
Bidet – 1 ½”					2	
Clothes washer, domestic, 2” standpipe					3	
Dental unit, cuspidor					1	
Dishwasher, domestic with independent drain					2	
Drinking fountain or water cooler – Private/Public				2	0.5	1
Drinking fountain or water cooler – Assembly					1	
Floor drain					2	
Food waste grinder – commercial					3	
Lavatory, (bathroom sink)				8	1	8
Lavatory, (bathroom sink) sets of 2 or 3					2	
Pedicure basin					1	
Shower, single head					2	
Shower, multi-head each additional					1	
Wash fountain, 1 ½”					2	
Wash fountain, 2”					3	
<b>SINKS</b>						
Bar sink - Private					1	
Bar sink – Public/Assembly					2	
Clinic, 3” Public/Assembly					6	
Commercial, 1 ½” with food waste					3	
Kitchen, domestic 1 ½” (with/without food waste grinder/dishwasher – Private/Public					2	
Laundry, 1 ½”					2	
Service sink /Mop basin, 2”/3”					3	
Service sink, flushing rim 3”					6	
Wash, each set of faucets – Public/Assembly					2	
<b>URINALS</b>						
Urinal, 2” integral trap 1.0 GPF – Private/Public				3	2	6
Urinal, 2” integral trap 1.0 GPF – Assembly				<del>X</del>	5	<del>1</del>
Urinal, 2” integral trap greater than 1.0 GPF – Private/Public					2	
Urinal, 2” integral trap greater than 1.0 GPF – Assembly					6	
Urinal, 1 ½” exposed trap – Private/Public					2	
Urinal, 1 ½” exposed trap – Assembly					5	
<b>WATER CLOSETS</b>						
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Private					3	
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public				12	4	48
Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Assembly				<del>X</del>	6	<del>1</del>
Water closet, <i>greater</i> than 1.6 GPF Gravity tank / flushometer valve – Private					4	
Water closet, <i>greater</i> than 1.6 GPF Gravity tank / flushometer valve – Public					6	
Water closet, <i>greater</i> than 1.6 GPF Gravity tank / flushometer valve – Assembly					8	
<b>TOTALS</b>						<del>9</del> LL 63

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