WATER

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

Bathub or combination bath/shower 28 4 112	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
Clothes washer	Bathtub or combination bath/shower					4	112
Dental unit, cuspidor Dishwasher, domestic 14 1.5 21 21 21 21 21 21 25 21 25 25	Bidet - Private					1	
Dental unit, cuspidor	Clothes washer				14	4	56
Dishwasher, domestic							
Drinking fountain or water cooler - Private/Public 0.5					14		21
Drinking fountain or water cooler - Assembly	,						
Hose bib 1							
Hose bib, each additional	<u> </u>				1		2.5
Lavatory (bathroom sink)							
Pedicure basin Shower, per head 2 2							
SINKS					40		20
SINKS							
Bar sink - Private 1 2 2	•						
Bar sink - Public Clinic Faucet - Public 3 3 Clinic Faucet - Public 8 8 Kitchen, domestic 14 1.5 21 Laundry 1.5 Service or mop basin - Private 1.5 Service or mop basin - Private 1.5 Service or mop basin - Public 2 Wash-up, each set of faucets - Public 2 Wash fountain, circular spray - Public 4 URINALS 2 Urinal, 1.0 GPF Flushometer valve - Public 4 Urinal, 1.0 GPF Flushometer valve - Assembly 5 Urinal, greater than 1.0 GPF Flushometer valve - Public 5 Urinal, greater than 1.0 GPF Flushometer valve - Private 2 Urinal, flush tank - Private or Public 2 Urinal, flush tank - Private or Public 2 Urinal, flush tank - Assembly 3 WATER CLOSETS Water closet, 1.6 GPF Gravity tank/Flushometer tank - Assembly 2 2 2 2 2 3 3 3 3 3						1	
Clinic Faucet - Public 3 8							
Clinic flushometer valve with/without faucet - Public							
Kitchen, domestic							
Laundry Service or mop basin - Private 1.5							
Service or mop basin - Private 1.5	·				14		21
Service or mop basin - Public Wash-up, each set of faucets - Public Wash fountain, circular spray - Public Urinal, 1.0 GPF Flushometer valve - Public Urinal, 1.0 GPF Flushometer valve - Assembly Urinal, greater than 1.0 GPF Flushometer valve - Public Urinal, greater than 1.0 GPF Flushometer valve - Public Urinal, greater than 1.0 GPF Flushometer valve - Assembly Urinal, flush tank - Private or Public Urinal, flush tank - Assembly Water closet, 1.6 GPF Gravity tank/Flushometer tank - Private/Public Water closet, 1.6 GPF Flushometer valve - Assembly Water closet, greater than 1.6 GPF Gravity tank - Private Water closet, greater than 1.6 GPF Gravity tank - Public Water closet, greater than 1.6 GPF Gravity tank - Public Water closet, greater than 1.6 GPF Gravity tank - Public Water closet, greater than 1.6 GPF Gravity tank - Public Water closet, greater than 1.6 GPF Gravity tank - Public Water closet, greater than 1.6 GPF Flushometer valve - Private Water closet, greater than 1.6 GPF Flushometer valve - Private Water closet, greater than 1.6 GPF Flushometer valve - Private	· ·						
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WATER CLOSETSWater closet, 1.6 GPF Gravity tank/Flushometer tank – Private/Public282.570Water closet, 1.6 GPF Gravity tank/Flushometer tank – Assembly3.53.5Water closet, 1.6 GPF Flushometer valve – Private/Public2.53.5Water closet, 1.6 GPF Flushometer valve – Assembly3.53.5Water closet, greater than 1.6 GPF Gravity tank – Private33.5Water closet, greater than 1.6 GPF Gravity tank – Public5.53.5Water closet, greater than 1.6 GPF Gravity tank – Assembly77Water closet, greater than 1.6 GPF - Flushometer valve – Private77	Urinal, flush tank - Assembly					3	
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Assembly Water closet, 1.6 GPF Flushometer valve – Private/Public Water closet, 1.6 GPF Flushometer valve – Assembly Water closet, greater than 1.6 GPF Gravity tank – Private Water closet, greater than 1.6 GPF Gravity tank – Public Water closet, greater than 1.6 GPF Gravity tank – Water closet, greater than 1.6 GPF Gravity tank – Assembly Water closet, greater than 1.6 GPF - Flushometer valve – Private 7					20		, 0
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Water closet, <i>greater</i> than 1.6 GPF Gravity tank – Assembly Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - Private 7							
Assembly Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - 7 Private	•						
Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve - 7 Private	<u> </u>					7	
Private	Assembly						
Water closet greater than 1.6 GPF - Flushometer valve -						7	
Traici closet, greater than 1.0 Of 1 - 1 table incici varve	Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve -					8	
Public Public							
Water closet, <i>greater</i> than 1.6 GPF - Flushometer valve -						10	
Assembly							
TOTALS	·				128		311.5

Contact Engineering Services for current System Development fee information

FORM PREPARED BY: Jeff	MacGillivray	DATE:	02/15/2024

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Rev 7/16

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
Bathtub or combination bath/shower				28	2	54
Bidet – 1 1/4"					1	
Bidet – 1 ½"					2	
Clothes washer, domestic, 2" standpipe				14	3	42
Dental unit, cuspidor					1	
Dishwasher, domestic with independent drain					2	
Drinking fountain or water cooler – Private/Public					0.5	
Drinking fountain or water cooler – Assembly					1	
Floor drain				1	2	8
Food waste grinder – commercial					3	
Lavatory, (bathroom sink)					1	
Lavatory, (bathroom sink) 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"						
Wash fountain, 1 72 Wash fountain, 2"					3	
<u> </u>					3	
SINKS					1	
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				14	2	28
grinder/dishwasher – Private/Public						
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	
URINALS						
Urinal, 2" integral trap 1.0 GPF – Private/Public					2	
Urinal, 2" integral trap 1.0 GPF – Assembly					5	
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 1/2" exposed trap – Assembly					5	
WATER CLOSETS						
Water closet, 1.6 GPF Gravity tank / flushometer tank /					3	
flushometer valve – Private				28		84
Water closet, 1.6 GPF Gravity tank / flushometer tank /					4	
flushometer valve – Public						
Water closet, 1.6 GPF Gravity tank / flushometer tank /					6	
flushometer valve – Assembly						
Water closet, <i>greater</i> than 1.6 GPF Gravity tank /					4	
flushometer valve – Private 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 /					8	
flushometer valve – Assembly						
TOTALS				85		216

Contact Engineering Services for current System Development fee information

FORM PREPARED BY:_	Jeff MacGillivray	DATE:	2/15/2024

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