

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

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		•	•	30	4	
Bidet - Private					1	
Clothes washer				24	4	
Dental unit, cuspidor					1	
Dishwasher, domestic				24	1.5	
Drinking fountain or water cooler - Private/Public					0.5	
Drinking fountain or water cooler - Assembly					0.75	
Hose bib				1	2.5	2.5
Hose bib, each additional				1	1	1
Lavatory (bathroom sink)				54	1	
Pedicure basin					1	
Shower, per head					2	
SINKS					_	
Bar sink - Private					1	
Bar sink - Public					2	
Clinic Faucet - Public					3	
Clinic flushometer valve with/without faucet - Public					8	
Kitchen, domestic				24	1.5	
Laundry					1.5	
Service or mop basin - Private					1.5	
Service of mop basin - Public					3	
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 -					6	
Assembly						
Urinal, flush tank – Private or Public					2	
Urinal, flush tank - Assembly					3	
WATER CLOSETS						
Water closet, 1.6 GPF Gravity tank/Flushometer tank –					2.5	
Private/Public				45	2.0	
Water closet, 1.6 GPF Gravity tank/Flushometer tank –					3.5	
Assembly						
Water closet, 1.6 GPF Flushometer valve – Private/Public					2.5	
Water closet, 1.6 GPF Flushometer valve – Assembly					3.5	
·						
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	<u> </u>
Water closet, <i>greater</i> than 1.6 GPF Gravity tank –					7	
Assembly						
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	
TOTALS				203		3.5

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Contact Engineering Services for current System Development for	<u>ce information</u>	
FORM PREPARED BY: Brett Lindsay	DATE: 3/11/24	
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SANITARY SEWER

Plumbing Fixture Plan Review

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

Bathub or combination bath/shower	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
Bidet 1 1/3" Bidet 1 1/3" Clothes washer, domestic, 2" standpipe Dental unit, cuspidor Drinking fountain or water cooler – Private/Public Drinking fountain or water cooler – Assembly Floor drain Floor drain Lavatory, dathroom sink) Lavatory, dathroom sink) Lavatory, dathroom sink) sets of 2 or 3 Pedicure basin Shower, single head Shower, single head Shower, multi-head each additional Wash fountain, 1/3" Wash fountain, 1/3" Bar sink – Private Wash fountain, 1/3" Bar sink – Public/Assembly Clinic, 3" Public/Assembly Clinic, 3" Public/Assembly Commercial, 1/3" with food waste Kitchen, domestic 1/3" (with/without food waste grinder/dishwasher – Private/Public Laundry, 1/4" Service sink, flushing rim 3" Wash, each set of faucets – Public/Assembly Clinia, 2" integral trap 1.0 GPF – Private/Public Urinal, 2" integral trap 1.0 GPF – Private/Public Urinal, 2" integral trap 1.0 GPF – Private/Public Urinal, 2" integral trap present and 1.0 GPF – Private/Public Urinal, 2" integral trap present and 1.0 GPF – Private/Public Urinal, 2" integral trap present and 1.0 GPF – Private/Public Urinal, 2" integral trap present and 1.0 GPF – Private/Public Urinal, 2" integral trap present and 1.0 GPF – Private/Public Urinal, 1.0" exposed trap – Private/Public Urinal, 1.0" exposed trap – Private/Public Urinal, 1.1" exposed trap – Private/Public Urinal, 1.2" integral trap present and 1.0 GPF – Assembly Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Assembly Water closet, 1.6 GPF Gravity tank / flushometer valve – Assembly Water closet, 1.6 GPF Gravity tank / flushometer valve – Assembly Water closet, 1.6 GPF Gravity tank / flushometer valve – Assembly	Bathtub or combination bath/shower		-		30	2	
Biddet -1 1/8" Clothes washer, domestic, 2" standpipe Dental unit, cuspidor Jishwasher, domestic with independent drain Dishwasher, domestic with independent drain Dishwasher, domestic with independent drain Dishwasher, domestic with independent drain Drinking fountain or water cooler - PrivatePublic Drinking fountain or water cooler - Assembly I ploor drain Ploor drain Plood waste grinder - commercial Lavatory, doathroom sink) Lavatory, doathroom sink) Lavatory, doathroom sink) sets of 2 or 3 Pedicure basin Shower, single head Shower, single head Shower, multi-head each additional Wash fountain, 1/8" 2 Wash fountain, 1/8" 2 Wash fountain, 1/8" SINKS SINKS Sar sink - Private Bar sink - Public/Assembly Clinic, 3" Public/Assembly Clinic, 4" Public/Assembly Clinic, 5" Public/Assembly Clinic, 5" Public/Assembly Clinic, 5" Public/Assembly Clinic, 5" Public/Assembly Clinic, 1" Public/Assembly Clinic, 2" Public/Assembly Cli							
Clothes washer, domestic, 2" standpipe 2 3 3 Dental unit, cuspidor 1 1 1 1 1 1 1 1 1						2	
Dental unit, cuspidor					24		
Dishwasher, domestic with independent drain 0.5							
Drinking fountain or water cooler - Assembly					24		
Drinking fountain or water cooler – Assembly	•						
Floor drain						1	
Food waste grinder – commercial 3 Lavatory, (bathroom sink) 1 Lavatory, (bathroom sink) 2 2 Pedicure basin 1 5 5 1 1 1 1 1 1 1	<u> </u>				2	2	1
Lavatory, (bathroom sink) 5					2		4
Lavatory, (bathroom sink) sets of 2 or 3					5.4	1	
Pedicure basin 1 1 Shower, single head 2 2 Shower, single head 1 1 1 1 1 1 1 1 1					, J. M.	2	
Shower, single head Shower, multi-head each additional Wash fountain, 1 ½" 2 Wash fountain, 2" 3 SINKS Bar sink - Private Bar sink - Public/Assembly Clinic, 3" Public/Assembly Clinic, 3" Public/Assembly Clinic, 3" Public/Assembly Clinic, 3" Public/Assembly Commercial, 1½" into food waste Kitchen, domestic 1 ½" (with/without food waste grinder/dishwasher - Private/Public Laundry, 1½" 2 Service sink /Mop basin, 2"/3" Service sink, flushing rim 3" 6 Wash, each set of facuets - Public/Assembly Urinal, 2" integral trap 1.0 GPF - Assembly Urinal, 2" integral trap preater than 1.0 GPF - Private/Public Urinal, 2" integral trap greater than 1.0 GPF - Assembly Urinal, 12" exposed trap - Private/Public Urinal, 2" integral trap greater than 1.0 GPF - Assembly Urinal, 1½" exposed trap - Private/Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer valve - Public						1	
Shower, multi-head each additional 1 1 Wash fountain, 1 \(1 \) 2 2 Wash fountain, 1 \(1 \) 2 3 3 SINKS						2	
Wash fountain, 1½" 2 3 3							
Wash fountain, 2" SINKS Bar sink - Private Bar sink - Public/Assembly Clinic, 3" Public/Assembly Clinic, 3" Public/Assembly Commercial, 1½" with food waste Kitchen, domestic 1½" (with/without food waste Kitchen, domestic 1½" (with/without food waste grinder/dishwasher - Private/Public Laundry, 1½" Service sink /Mop basin, 2"/3" Service sink /Mop basin, 2"/3" Service sink /flushing rim 3" Curinal, 2" integral trap public/Assembly Urinal, 2" integral trap 1.0 GPF - Private/Public Urinal, 2" integral trap 1.0 GPF - Assembly Urinal, 2" integral trap greater than 1.0 GPF - Private/Public Urinal, 2" integral trap greater than 1.0 GPF - Assembly 10 Get - Assembly 10 Get - Assembly 11 Assembly 12 Curinal, 1½" exposed trap - Assembly 13 Service sink /flushometer tank / flushometer valve - Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Private Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Public Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Pivate Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve - Pivate Water closet, greater than 1.6 GPF Gravity tank / flushometer valve - Pivate Water closet, greater than 1.6 GPF Gravity tank / flushometer valve - Assembly							
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Contact Engineering Services for current System Development fee information					
FORM PREPARED BY: Brett Lindsay	DATE: 3/11/24				
TEL: 2534684117					
EMAIL: blindsay@synthesis9.com					