

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                                   |                               |  |                                       |                                     | 4                       |                             |
| Bidet - Private  |                               |  |                                       |                                     | 1                       |                             |
| Clothes washer   |                               |  |                                       |                                     | 4                       |                             |
| Dental unit, cuspidor  |                               |  |                                       |                                     | 1                       |                             |
| Dishwasher, domestic   |                               |  |                                       | 2                                   | 1.5                     | 3                           |
| Drinking fountain or water cooler - Private/Public                   |                               |  |                                       |                                     | 0.5                     |                             |
| Drinking fountain or water cooler - Assembly                         |                               |  |                                       |                                     | 0.75                    |                             |
| Hose bib   |                               |  |                                       |                                     | 2.5                     |                             |
| Hose bib, each additional  |                               |  |                                       |                                     | 1                       |                             |
| Lavatory (bathroom sink)   |                               |  |                                       | 6                                   | 1                       | 6                           |
| 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  |                               |  |                                       | 7                                   | 1.5                     | 10.5                        |
| Laundry  |                               |  |                                       |                                     | 1.5                     |                             |
| Service or mop basin - Private                                       |                               |  |                                       |                                     | 1.5                     |                             |
| Service or mop basin - Public  |                               |  |                                       | 2                                   | 3                       | 6                           |
| 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 - Assembly            |                               |  |                                       |                                     | 6                       |                             |
| Urinal, flush tank – Private or Public                               |                               |  |                                       |                                     | 2                       |                             |
| Urinal, flush tank - Assembly  |                               |  |                                       |                                     | 3                       |                             |
| WATER CLOSETS  |                               |  |                                       |                                     |                         |                             |
| 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             |                               |  |                                       |                                     | 2.5                     |                             |
| Water closet, 1.6 GPF Flushometer valve – Assembly                   |                               |  |                                       |                                     | 3.5                     |                             |
| Water closet, greater than 1.6 GPF Gravity tank – Private            |                               |  |                                       |                                     | 3                       |                             |
| Water closet, greater than 1.6 GPF Gravity tank – Public             |                               |  |                                       |                                     | 5.5                     |                             |
| Water closet, greater than 1.6 GPF Gravity tank – Assembly           |                               |  |                                       |                                     | 7                       |                             |
| Water closet, greater than 1.6 GPF - Flushometer valve - Private     |                               |  |                                       |                                     | 7                       |                             |
| Water closet, greater than 1.6 GPF - Flushometer valve - Public      |                               |  |                                       |                                     | 8                       |                             |
| Water closet, greater than 1.6 GPF - Flushometer valve - Assembly    |                               |  |                                       |                                     | 10                      |                             |
| TOTALS   |                               |  |                                       | 17                                  |                         | 25.5                        |

Contact Engineering Services for current System Development fee information

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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  |                               |  |                                       |                                     | 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                                   | 2                       | 4          |
| Drinking fountain or water cooler – Private/Public                                    |                               |  |                                       |                                     | 0.5                     |            |
| Drinking fountain or water cooler – Assembly  |                               |  |                                       |                                     | 1                       |            |
| Floor drain   |                               |  |                                       | 26                                  | 2                       | 52         |
| Food waste grinder – commercial   |                               |  |                                       |                                     | 3                       |            |
| Lavatory, (bathroom sink)   |                               |  |                                       | 6                                   | 1                       | 6          |
| 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                       |            |
| SINKS   |                               |  |                                       |                                     |                         |            |
| 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   |                               |  |                                       | 7                                   | 2                       | 14         |
| Laundry, 1 ½”   |                               |  |                                       |                                     | 2                       |            |
| Service sink /Mop basin, 2”/3”  |                               |  |                                       | 2                                   | 3                       | 6          |
| 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 ½” exposed trap – Assembly  |                               |  |                                       |                                     | 5                       |            |
| WATER CLOSETS   |                               |  |                                       |                                     |                         |            |
| 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    |                               |  |                                       |                                     | 4                       |            |
| Water closet, 1.6 GPF Gravity tank / flushometer tank / flushometer valve – Assembly  |                               |  |                                       |                                     | 6                       |            |
|   |                               |  |                                       |                                     |                         |            |
| 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                       |            |
| TOTALS  |                               |  |                                       | 43                                  |                         | 82         |

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