



# St. Mary's County Metropolitan Commission

23121 Camden Way, California, Maryland 20619

*Serving St. Mary's County*

Potable Water Distribution - Wastewater Collection / Treatment

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[www.metcom.org](http://www.metcom.org)

## Water and Sewer Construction Cost Estimate Calendar Year 2022

**Note: If phased please complete a separate estimate for each phase or section.**

Project Name and Phase (if applicable): \_\_\_\_\_

Developer: \_\_\_\_\_

Engineering Firm: \_\_\_\_\_ Completed by: \_\_\_\_\_

LUGM Number: \_\_\_\_\_

Water EDUs: \_\_\_\_\_ Sewer EDUs: \_\_\_\_\_ Date: \_\_\_\_\_

| Water                         |      |          |            |        |
|-------------------------------|------|----------|------------|--------|
| Item / Description            | Unit | Quantity | Unit Price | Total  |
| 1" Corp. Stops                | EA.  |          | \$310.24   | \$0.00 |
| 1-1/2" Corp. Stops            | EA.  |          | \$717.67   | \$0.00 |
| 2" Corp. Stops                | EA.  |          | \$904.16   | \$0.00 |
| 1" Curb Stop w/box            | EA.  |          | \$679.14   | \$0.00 |
| 1 1/2" Curb Stop w/box        | EA.  |          | \$1,094.73 | \$0.00 |
| 2" Curb Stop w/box            | EA.  |          | \$1,094.73 | \$0.00 |
| 1" Copper WHC                 | L.F. |          | \$132.00   | \$0.00 |
| 1-1/4" Copper WHC             | L.F. |          | \$151.00   | \$0.00 |
| 1-1/2" Copper WHC             | L.F. |          | \$91.00    | \$0.00 |
| 2" Copper WHC                 | L.F. |          | \$108.00   | \$0.00 |
| 4" Main, DIP CL - 52          | L.F. |          | \$140.00   | \$0.00 |
| 6" Main, DIP CL - 52          | L.F. |          | \$270.50   | \$0.00 |
| 8" Main, DIP CL - 52          | L.F. |          | \$195.00   | \$0.00 |
| 10" Main, DIP CL - 52         | L.F. |          | \$405.00   | \$0.00 |
| 12" Main, DIP CL - 52         | L.F. |          | \$226.00   | \$0.00 |
| 16" Main, DIP CL - 52         | L.F. |          | \$326.38   | \$0.00 |
| 20" Main, DIP CL - 52         | L.F. |          | \$457.97   | \$0.00 |
| 4" Main, C-900, SDR - 21 PVC  | L.F. |          | \$90.00    | \$0.00 |
| 6" Main, C-900, SDR - 21 PVC  | L.F. |          | \$105.00   | \$0.00 |
| 8" Main, C-900, SDR - 21 PVC  | L.F. |          | \$214.50   | \$0.00 |
| 10" Main, C-900, SDR - 21 PVC | L.F. |          | \$121.00   | \$0.00 |
| 12" Main, C-900, SDR - 21 PVC | L.F. |          | \$130.00   | \$0.00 |
| 4" Main, HDPE DR - 11         | L.F. |          | \$33.08    | \$0.00 |
| 6" Main, HDPE DR - 11         | L.F. |          | \$62.65    | \$0.00 |
| 8" Main, HDPE DR - 11         | L.F. |          | \$72.93    | \$0.00 |
| 10" Main, HDPE DR - 11        | L.F. |          | \$101.83   | \$0.00 |
| 12" Main, HDPE DR - 11        | L.F. |          | \$137.59   | \$0.00 |
| 4" Valve & Box                | E.A. |          | \$3,342.94 | \$0.00 |
| 6" Valve & Box                | E.A. |          | \$3,592.68 | \$0.00 |
| 8" Valve & Box                | E.A. |          | \$4,401.43 | \$0.00 |

Water Subtotal (Sheet 1): \$0.00

| Water Cont.  |      |          |             |        |
|--|------|----------|-------------|--------|
| Item / Description   | Unit | Quantity | Unit Price  | Total  |
| 10" Valve & Box  | E.A. |          | \$6,636.00  | \$0.00 |
| 12" Valve & Box  | E.A. |          | \$8,208.46  | \$0.00 |
| 16" Valve & Box  | E.A. |          | \$23,413.04 | \$0.00 |
| 8"x 4" Tapping Sleeve & Valve  | E.A. |          | \$6,594.89  | \$0.00 |
| 8" x 6" Tapping Sleeve & Valve   | E.A. |          | \$7,365.31  | \$0.00 |
| 8" x 8" Tapping Sleeve & Valve   | E.A. |          | \$8,723.58  | \$0.00 |
| 12" x 6" Tapping Sleeve & Valve  | E.A. |          | \$9,222.10  | \$0.00 |
| 12" x 8" Tapping Sleeve & Valve  | E.A. |          | \$10,641.19 | \$0.00 |
| 12" x 12" Tapping Sleeve & Valve                                       | E.A. |          | \$15,371.46 | \$0.00 |
| 6" Fire Hydrants, Assembly   | E.A. |          | \$9,554.50  | \$0.00 |
| Post Indicator Valve   | E.A. |          | \$4,013.21  | \$0.00 |
| 4" Blowoff   | E.A. |          | \$3,342.94  | \$0.00 |
| 6" Blowoff   | E.A. |          | \$4,052.54  | \$0.00 |
| 8" Blowoff   | E.A. |          | \$4,964.81  | \$0.00 |
| 12" Blowoff  | E.A. |          | \$8,208.46  | \$0.00 |
| 4" Check Valve   | E.A. |          | \$6,079.82  | \$0.00 |
| 8" Check Valve   | E.A. |          | \$11,148.01 | \$0.00 |
| Air Release Valve and Vault  | E.A. |          | \$26,748.80 | \$0.00 |
| Bore & Jack (Up to 24" Casing w/Grout)                                 | L.F. |          | \$1,483.95  | \$0.00 |
| Directional Drilling up to 12"   | L.F. |          | \$22.59     | \$0.00 |
| Concrete Encasement  | C.Y. |          | \$431.74    | \$0.00 |
| Borrow Backfill Material (Quantity = 10% of total linear feet of pipe) | L.F. |          | \$96.00     | \$0.00 |
|  |      |          |             | \$0.00 |
|  |      |          |             | \$0.00 |
|  |      |          |             | \$0.00 |
|  |      |          |             | \$0.00 |
|  |      |          |             | \$0.00 |

Water Subtotal (Sheet 2): \$0.00  
 Water Subtotal (Sheet 1): \$0.00  
**Water Total: \$0.00**

\* Please include the estimated cost of water storage tanks as an additional line item in the cost estimate.

| Sewer  |          |          |             |        |
|--|----------|----------|-------------|--------|
| Item / Description   | Unit     | Quantity | Unit Price  | Total  |
| 6" Clean-out Assembly  | E.A.     |          | \$1,702.91  | \$0.00 |
| 4" Gravity PVC SDR - 35 / C900 DR 14                                   | L.F.     |          | \$164.00    | \$0.00 |
| 6" Gravity PVC SDR - 35 / C900 DR 14                                   | L.F.     |          | \$172.00    | \$0.00 |
| 8" Gravity PVC SDR - 35 / C900 DR 14                                   | L.F.     |          | \$369.00    | \$0.00 |
| 10" Gravity PVC SDR - 35 / C900 DR 14                                  | L.F.     |          | \$222.00    | \$0.00 |
| 12" Gravity PVC SDR - 35 / C900 DR 14                                  | L.F.     |          | \$249.00    | \$0.00 |
| 24" Gravity, RCP   | L.F.     |          | \$533.15    | \$0.00 |
| 4" Force Sewer, HDPE / DR-11   | L.F.     |          | \$33.08     | \$0.00 |
| 6" Force Sewer, HDPE / DR-11   | L.F.     |          | \$62.65     | \$0.00 |
| 8" Force Sewer, HDPE / DR-11   | L.F.     |          | \$72.93     | \$0.00 |
| 10" Force Sewer, HDPE / DR-11  | L.F.     |          | \$101.83    | \$0.00 |
| 12" Force Sewer, HDPE / DR-11  | L.F.     |          | \$137.59    | \$0.00 |
| 6" Gravity/Force Sewer, DIP CI-52                                      | L.F.     |          | \$136.23    | \$0.00 |
| 8" Gravity/Force Sewer, DIP CI-52                                      | L.F.     |          | \$285.00    | \$0.00 |
| 10" Gravity/Force Sewer. DIP CI-52                                     | L.F.     |          | \$300.00    | \$0.00 |
| 12" Gravity/Force Sewer, DIP CI-52                                     | L.F.     |          | \$324.00    | \$0.00 |
| 16" Gravity/Force Sewer, DIP CI-52                                     | L.F.     |          | \$326.38    | \$0.00 |
| 20" Gravity/Force Sewer DIP CI-52                                      | L.F.     |          | \$457.97    | \$0.00 |
| 1-1/2" Force Sewer, PVC SDR -21  | L.F.     |          | \$111.00    | \$0.00 |
| 2" Force Sewer, PVC SDR -21  | L.F.     |          | \$111.00    | \$0.00 |
| 2-1/2" Force Sewer, PVC SDR -22  | L.F.     |          | \$113.00    | \$0.00 |
| 3" Force Sewer, PVC SDR - 21   | L.F.     |          | \$113.00    | \$0.00 |
| 4" Force Sewer, PVC C900 / DR18  | L.F.     |          | \$23.37     | \$0.00 |
| 6" Force Sewer, PVC C900 / DR18  | L.F.     |          | \$35.38     | \$0.00 |
| 8" Force Sewer, PVC C900 / DR18  | L.F.     |          | \$52.93     | \$0.00 |
| 10" Force Sewer, PVC C900 / DR18                                       | L.F.     |          | \$73.96     | \$0.00 |
| 12" Force Sewer, PVC C900 / DR18                                       | L.F.     |          | \$262.62    | \$0.00 |
| 1-1/2" Valve & Box   | E.A.     |          | \$1,405.49  | \$0.00 |
| 2" Valve & Box   | E.A.     |          | \$1,417.83  | \$0.00 |
| 2-1/2" Valve & Box   | E.A.     |          | \$2,051.40  | \$0.00 |
| 3" Valve & Box   | E.A.     |          | \$1,746.46  | \$0.00 |
| 4" Valve & Box   | E.A.     |          | \$3,342.94  | \$0.00 |
| 6" Valve & Box   | E.A.     |          | \$4,052.54  | \$0.00 |
| MH-4' Dia., Precast  | V.F.     |          | \$751.26    | \$0.00 |
| MH-5' Dia., Precast  | V.F.     |          | \$2,060.00  | \$0.00 |
| Adjust 4' Dia MH Rings   | V.F.     |          | \$847.42    | \$0.00 |
| Adjust 5' Dia MH Rings   | V.F.     |          | \$1,216.37  | \$0.00 |
| MH - 6' Dia. Doghouse  | V.F.     |          | \$34,411.00 | \$0.00 |
| Standard Frame & Cover   | EA.      |          | \$1,768.00  | \$0.00 |
| Water Tight Frame & Cover  | EA.      |          | \$2,365.81  | \$0.00 |
| Drop Connection (Inside or Out)  | EA.      |          | \$3,618.13  | \$0.00 |
| Inserta-Tee  | EA.      |          | \$3,284.94  | \$0.00 |
| Kor-n-Seal, Tie-in to Manhole  | EA.      |          | \$3,618.13  | \$0.00 |
| Air Release Valve and Vault  | EA.      |          | \$26,748.80 | \$0.00 |
| Bore & Jack (Up to 24" Casing w/Grout)                                 | L.F.     |          | \$1,483.95  | \$0.00 |
| Directional Drilling up to 12"   | L.F.     |          | \$25.48     | \$0.00 |
| Flushing Connection  | E.A.     |          | \$7,039.16  | \$0.00 |
| Grinder Pump, Duplex   | E.A.     |          | \$37,542.18 | \$0.00 |
| Oil/Grease Interceptors  | E.A.     |          | \$29,329.83 | \$0.00 |
| Septic Tank  | 1000 Gal |          | \$3,650.09  | \$0.00 |
| Borrow Backfill Material (Quantity = 10% of total linear feet of pipe) | L.F.     |          | \$96.00     | \$0.00 |
| WWPS (Insert LS From Engineer's Estimate)*                             | L.S.     | 1        |             | \$0.00 |
|  |          |          |             | \$0.00 |
|  |          |          |             | \$0.00 |
|  |          |          |             | \$0.00 |
|  |          |          |             | \$0.00 |

**\$0.00**

\* Please include the estimated cost of simplex grinder pumps and pump stations as an additional line item in the cost estimate.

| <b>Totals</b>   |        |
|---|--------|
| <b>Water Total:</b>   | \$0.00 |
| <b>Sewer total:</b>   | \$0.00 |
| <b>Subtotal:</b>  | \$0.00 |
| <b>Contingencies (10% of subtotal):</b>   | \$0.00 |
| <b>Total:</b>   | \$0.00 |
| <b>Construction and Mobilization:</b><br><small>(10% of Total Construction Cost, \$500 min. \$2500 max.)</small>  | \$0.00 |
| <b>Construction Survey Including Field Engineering:</b><br><small>(5% of Total Construction Cost, \$1000 min. \$50,000 max.)</small>  | \$0.00 |
| <b>Engineer's Cost Estimate:</b><br><small>(Total of Water, Sewer, Construction Mobilization., and Construction Survey, Rounded to the nearest \$100)</small>   | \$0.00 |
| <b>Bond/ Letter of Credit:</b><br><small>(110% of Engineers Cost Estimate, Rounded to the nearest \$100)</small>  | \$0.00 |
| <b>Water and/or Sewer Infrastructure Inspection:</b><br><small>(2.5% of Bond/LOC amount (if applicable), or 2.5% of 110% of the Engineer's Cost Estimate, rounded to the nearest \$100 if no Bond/LOC is required, for projects ≤ \$385k; or 1.5% of Bond/LOC amount (if applicable), or 1.5% of 110% of the Engineer's Cost Estimate, rounded to the nearest \$100 if no Bond/LOC is required, for projects &gt; \$385k.</small> | \$0.00 |

\* Note: The prices for the pipes include the cost for bends, tees, crosses, reducers, caps, and all other incidentals.  
 \*\*Note: This estimate is for MetCom use only and should not be used for any other purpose.

FOR METCOM STAFF ONLY

|  |  |
|--|--|
| <b>St. Mary's County</b>   |  |
| <b>Metropolitan Commission</b>   |  |
| <b>Engineering Department</b>  |  |
| Reviewed for general conformance with design concept of the project and general compliance with requirements of the contract documents only. No contract requirements are waved. |  |
| <input type="checkbox"/> Approved  | <input type="checkbox"/> Revise & Resubmit |
| <input type="checkbox"/> Approved as Noted   | <input type="checkbox"/> Rejected          |
| By: _____  | Date: _____                                |