

DESIGN INDEX

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SOLAPUR CITY UNDERGROUND SEWERAGE SCHEME (AMRUT)**Zone IX (25 August 2019 as per existing IL and pipe diameter)****Part I**

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | % Length | | Velocity (m/s) | % Length | |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|--------------|---------------|----------------|--------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | Min | Max | | Min | Max |
| 150 | 23112 | 1.00 | 3.26 | 400 | 40 | 0.25 | 1.55 | | 0.95 | 3.26 | | 0.25 | 2.61 |
| 170 | 479 | 1.70 | 2.85 | 400 | 400 | 0.66 | 0.69 | Upto 2.0 | 24463.0 | 93.92 | 0 to 0.45 | 8954.0 | 34.38 |
| 200 | 535 | 0.97 | 1.94 | 400 | 40 | 0.67 | 1.73 | 2.01 to 3.26 | 1585.0 | 6.08 | 0.46 to 0.60 | 4488.0 | 17.23 |
| 250 | 369 | 0.95 | 2.57 | 400 | 43 | 0.76 | 1.70 | 4.01 to 6.0 | 0.0 | 0.00 | 0.60 to 0.8 | 5330.0 | 20.46 |
| 300 | 302 | 1.00 | 2.39 | 400 | 41 | 0.87 | 2.05 | Above 6.0 | 0.0 | 0.00 | Above 0.8 | 7276.00 | 27.93 |
| 350 | 139 | 1.06 | 1.50 | 400 | 92 | 1.01 | 1.86 | | | | | | |
| 400 | 341 | 1.00 | 1.67 | 400 | 65 | 1.07 | 2.14 | | | | | | |
| 450 | 623 | 1.00 | 1.65 | 400 | 52 | 1.18 | 2.61 | | | | | | |
| 500 | 148 | 1.01 | 1.42 | 400 | 400 | 1.25 | 1.25 | | | | | | |
| Total | 26048 | | | | | | | Total | 26048 | 100.00 | Total | 26048 | 100.00 |

Part II

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | % Length | | Velocity (m/s) | % Length | |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|---------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | Min | Max | | Min | Max |
| | | | | | | | | | 1.3 | 4.38 | | 0.27 | 1.79 |
| 150 | 11449 | 1.00 | 3.99 | 200 | 80 | 0.27 | 1.21 | Upto 2.0 | 10241.0 | 80.20 | 0 to 0.45 | 4823.0 | 37.77 |
| 170 | 56 | 1.73 | 1.88 | 192 | 190 | 1.00 | 1.00 | 2.01 to 4.0 | 2383.0 | 18.66 | 0.46 to 0.60 | 3431.0 | 26.87 |
| 200 | 397 | 1.00 | 3.81 | 200 | 80 | 1.03 | 1.52 | 4.01 to 4.38 | 146.0 | 1.14 | 0.6 to 0.8 | 1673.0 | 13.10 |
| 250 | 519 | 1.00 | 2.74 | 200 | 80 | 1.22 | 1.79 | | | | Above 0.8 | 2843 | 22.26 |
| 300 | 349 | 1.15 | 2.81 | 200 | 200 | 1.24 | 1.29 | | | | | | |
| Total | 12770 | | | | | | | Total | 12770.0 | 100.00 | Total | 12770.0 | 100.00 |

Part III

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | | Velocity (m/s) | Length (m) | |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|--------------|------------|----------------|--------------|-------------|
| | | Min | Max | Min | Max | Min | Max | | Min | Max | | Min | Max |
| 150 | 20712 | 0.91 | 4.48 | 266 | 66 | 0.29 | 1.03 | | Min | Max | | Min | Max |
| 170 | 56 | 0.96 | 1.11 | 200 | 173 | 0.94 | 1 | | 0.91 | 4.48 | | 0.29 | 1.97 |
| 200 | 696 | 1.09 | 3.87 | 350 | 101 | 0.77 | 1.34 | Upto 2.0 | 19223 | 86.028194 | 0 to 0.45 | 11857 | 53.06332513 |
| 250 | 311 | 1.01 | 2.61 | 350 | 100 | 0.87 | 1.64 | 2.01 to 4.0 | 2987 | 13.367644 | 0.46 to 0.6 | 4596 | 20.56835981 |
| 300 | 189 | 1.02 | 1.67 | 350 | 100 | 0.95 | 1.64 | 4.01 to 4.48 | 135 | 0.604162 | 0.61 to 0.8 | 2545 | 11.38957261 |
| 350 | 73 | 1.78 | 2.08 | 350 | 350 | 1.04 | 1.05 | | | | Above 0.8 | 3347 | 14.97874245 |
| 400 | 308 | 1.14 | 1.18 | 350 | 100 | 1.17 | 1.97 | | | | | | |
| Total | 22345 | | | | | | | Total | 22345 | 100 | Total | 22345 | 100 |

Part IV A

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | | Velocity (m/s) | Length (m) | |
|--------------|----------------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | Min | Max | | Min | Max |
| | | | | | | | | | 1.00 | 4.05 | | 0.35 | 1.96 |
| 150 | 6977.00 | 1.00 | 4.05 | 450 | 50 | 0.35 | 1.42 | Upto 2.0 | 5697.0 | 75.04 | 0 to 0.45 | 4864.0 | 64.07 |
| 170 | 87.00 | 1.16 | 2.09 | 450 | 200 | 0.65 | 0.95 | 2.01 to 4.05 | 1895.0 | 24.96 | 0.46 to 0.6 | 784.0 | 10.33 |
| 200 | 0.00 | | | | | | | | | | 0.6 to 0.8 | 759.0 | 10.00 |
| 250 | 410.00 | 1.01 | 3.06 | 450 | 50 | 0.76 | 1.84 | | | | Above 0.8 | 1185 | 15.61 |
| 300 | 118.00 | 1.02 | 1.37 | 450 | 50 | 0.82 | 1.96 | | | | | | |
| Total | 7592.00 | | | | | | | Total | 7592.0 | 100.00 | Total | 7592.0 | 100.00 |

Part IV B

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | | Velocity (m/s) | Length (m) | |
|--------------|----------------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | Min | Max | | Min | Max |
| | | | | | | | | | 0.91 | 5.10 | | 0.28 | 0.94 |
| 150 | 2774.00 | 0.91 | 5.09 | 200 | 150 | 0.28 | 0.93 | Upto 2.0 | 1507.0 | 53.96 | 0 to 0.45 | 1771.0 | 63.41 |
| 170 | 19.00 | 5.10 | 5.10 | 200 | 200 | 0.94 | 0.94 | 2.01 to 4.0 | 874.0 | 31.29 | 0.46 to 0.6 | 296.0 | 10.60 |
| 200 | 0 | | | | | | | | | | | | |
| | | | | | | | | Above 4 | 412.0 | 14.75 | 0.6 to 0.8 | 470.0 | 16.83 |
| | | | | | | | | | | | Above 0.8 | 256 | 9.17 |
| Total | 2793.00 | | | | | | | Total | 2793.0 | 100.00 | Total | 2793.0 | 100.00 |

Part IV C

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|---------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 21899 | 1.00 | 3.17 | 500 | 70 | 0.18 | 1.16 | | Min | Max | | Min | Max |
| 170 | 447 | 1.37 | 5.26 | 500 | 126 | 0.60 | 1.07 | | 0.96 | 5.26 | | 0.18 | 2.24 |
| 200 | 392 | 1.01 | 2.28 | 500 | 70 | 0.68 | 1.44 | Upto 2.0 | 22734 | 93.71 | 0 to 0.45 | 14464.0 | 59.62 |
| 250 | 88 | 1.57 | 2.24 | 500 | 250 | 0.73 | 1.04 | 2.01 to 4.0 | 1364.0 | 5.62 | 0.46 to 0.6 | 3227.0 | 13.30 |
| 300 | 397 | 0.96 | 2.42 | 300 | 70 | 0.92 | 1.56 | 4.01 to 5.26 | 163.0 | 0.67 | 0.6 to 0.8 | 2856.0 | 11.77 |
| 350 | 262 | 1.72 | 2.94 | 500 | 500 | 0.86 | 0.91 | | | | Above 0.8 | 3714 | 15.31 |
| 450 | 512 | 1.00 | 1.46 | 500 | 75 | 1.07 | 2.24 | | | | | | |
| 500 | 240 | 1.34 | 1.79 | 500 | 113 | 1.16 | 1.95 | | | | | | |
| 600 | 24 | 1.90 | 1.90 | 500 | 500 | 1.26 | 1.26 | | | | | | |
| Total | 24261 | | | | | | | Total | 24261.0 | 100.00 | Total | 24261.0 | 100.00 |

Part V

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|--------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| | | | | | | | | | 1 | 3.09 | | 0.25 | 1.33 |
| 150 | 4540 | 1.00 | 2.91 | 350 | 60 | 0.25 | 1.32 | Upto 2.0 | 4600.0 | 90.98 | 0 to 0.45 | 2719.0 | 53.78 |
| 200 | 163 | 2.19 | 3.09 | 350 | 350 | 0.70 | 0.71 | 2.01 to 3.09 | 456.0 | 9.02 | 0.46 to 0.6 | 507.0 | 10.03 |
| 250 | 353 | 1.00 | 2.01 | 400 | 93 | 0.77 | 1.33 | | | | 0.6 to 0.8 | 1037.0 | 20.51 |
| | | | | | | | | | | | Above 0.8 | 793 | 15.68 |
| Total | 5056 | | | | | | | Total | 5056.0 | 100.0 | Total | 5056.0 | 100.00 |

Part VI

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|--------------|------------|----------------|--------------|-------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 21833 | 0.91 | 5.86 | 150 | 150 | 0.23 | 0.93 | | 0.91 | 6.26 | | 0.23 | 2.34 |
| 170 | 914 | 1.33 | 4.71 | 475 | 92 | 0.61 | 1.36 | Upto 2.0 | 19364 | 71.382755 | 0 to 0.45 | 15449 | 56.95063958 |
| 200 | 504 | 2.31 | 4.52 | 475 | 69 | 0.63 | 1.56 | 2.01 to 4.0 | 5929 | 21.856453 | 0.46 to 0.6 | 2588 | 9.540310392 |
| 250 | 1597 | 1 | 6.05 | 475 | 24 | 0.69 | 2.34 | 4.01 to 6.0 | 1649 | 6.0788145 | 0.61 to 0.8 | 5159 | 19.01795259 |
| 300 | 847 | 0.95 | 3.76 | 475 | 80 | 0.71 | 1.4 | | | | | | |
| 350 | 608 | 1.96 | 6.26 | 475 | 475 | 0.88 | 0.93 | Above 6.0 | 185 | 0.6819774 | Above 0.8 | 3931 | 14.49109743 |
| 400 | 824 | 1 | 3.54 | 475 | 80 | 1.02 | 2.05 | | | | | | |
| Total | 27127 | | | | | | | Total | 27127 | 100 | Total | 27127 | 100 |

Part VII

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|--------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 5997 | 1.00 | 4.04 | 1000 | 10 | 0.25 | 1.30 | | Min | Max | | Min | Max |
| 500 | 0 | | | | | | | | 1 | 4.04 | | 0.25 | 2.81 |
| 600 | 251 | 1.45 | 1.90 | 1000 | 77 | 0.88 | 2.28 | Upto 2.0 | 6437.0 | 90.76 | 0 to 0.45 | 4241.0 | 59.80 |
| 700 | 677 | 1.00 | 1.82 | 1000 | 65 | 0.98 | 2.69 | 2.01 to 4.04 | 655.0 | 9.24 | 0.46 to 0.6 | 796.0 | 11.22 |
| 800 | 88 | 1.64 | 1.87 | 1000 | 100 | 1.11 | 2.81 | | | | 0.6 to 0.8 | 559.0 | 7.88 |
| 900 | 79 | 1.89 | 2.39 | 1000 | 100 | 1.18 | 2.78 | | | | Above 0.8 | 1496 | 21.09 |
| Total | 7092 | | | | | | | Total | 7092.0 | 100.0 | Total | 7092.0 | 100.00 |

Part VIII

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 8630 | 1.00 | 2.96 | 800 | 50 | 0.20 | 1.00 | | | | | | |
| 170 | 0 | | | | | | | | 1 | 3.7 | | 0.2 | 2.93 |
| 200 | 84 | 1.57 | 2.47 | 800 | 800 | 0.51 | 0.55 | Upto 2.0 | 9612.0 | 85.75 | 0 to 0.45 | 3536.0 | 31.55 |
| 250 | 435 | 1.00 | 3.70 | 800 | 64 | 0.52 | 1.47 | 2.01 to 3.70 | 1597.0 | 14.25 | 0.46 to 0.6 | 2427.0 | 21.65 |
| 300 | 536 | 1.00 | 2.38 | 800 | 112 | 0.60 | 1.25 | | | | 0.6 to 0.8 | 2516.0 | 22.45 |
| 350 | 616 | 1.00 | 2.02 | 800 | 62 | 0.68 | 1.74 | | | | Above 0.8 | 2730 | 24.36 |
| 900 | 908 | 1.00 | 2.49 | 800 | 100 | 1.32 | 2.93 | | | | | | |
| Total | 11209 | | | | | | | Total | 11209.0 | 100.0 | Total | 11209.0 | 100.00 |

Combine Zone IX (25 August 2019 as per existing invert level and pipe diameter match)

| Dia in mm | | Cover | | Slope | | Velocity | | Depth (m) | Min | Max | Velocity (m/s) | Min | Max |
|-----------|--------|-------|------|---------|--------|----------|------|--------------|---------------|--------------|----------------|---------------|--------------|
| | | Min | Max | Min | Max | Min | Max | | 0.91 | 6.26 | | 0.18 | 2.93 |
| 150 | 127923 | 0.91 | 5.86 | 1000.00 | 10.00 | 0.18 | 1.55 | Upto 2.0 | 123878 | 84.7 | 0 to 0.45 | 72678 | 49.7 |
| 170 | 2058 | 0.96 | 5.26 | 500.00 | 92.00 | 0.60 | 1.36 | 2.01 to 4.0 | 19725 | 13.5 | 0.46 to 0.6 | 23140 | 15.8 |
| 200 | 2771 | 0.97 | 4.52 | 800.00 | 40.00 | 0.51 | 1.73 | 4.01 to 6.0 | 2505.0 | 1.7 | 0.6 to 0.8 | 22904 | 15.7 |
| 250 | 4082 | 0.95 | 6.05 | 800.00 | 24.00 | 0.52 | 2.34 | Above 6.0 | 185.0 | 0.13 | Above 0.8 | 27571 | 18.85 |
| 300 | 2738 | 0.95 | 3.76 | 800.00 | 41.00 | 0.60 | 2.05 | Total | 146293 | 100.0 | Total | 146293 | 100.0 |
| 350 | 1698 | 1.00 | 6.26 | 800.00 | 62.00 | 0.68 | 1.86 | | | | | | |
| 400 | 1473 | 1.00 | 3.54 | 475.00 | 65.00 | 1.02 | 2.14 | | | | | | |
| 450 | 1135 | 1.00 | 1.65 | 500.00 | 52.00 | 1.07 | 2.61 | | | | | | |
| 500 | 388 | 1.01 | 1.79 | 500.00 | 113.00 | 1.16 | 1.95 | | | | | | |
| 600 | 275 | 1.45 | 1.90 | 1000.00 | 77.00 | 0.88 | 2.28 | | | | | | |
| 700 | 677 | 1.00 | 1.82 | 1000.00 | 65 | 0.98 | 2.69 | | | | | | |
| 800 | 88 | 1.64 | 1.87 | 1000.00 | 100 | 1.11 | 2.81 | | | | | | |
| 900 | 987 | 1.00 | 2.49 | 1000.00 | 100.00 | 1.18 | 2.93 | | | | | | |

Total - 146293.00

Hydraulic Model Inventory: Zone IX Part I .stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part I) |
| Engineer | Prasad/ |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 15-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|----------------------------------|
| ID | 9241 |
| Label | Peak flow |
| Notes | |
| Active Topology | <I> Base Active Topology |
| User Data Extensions | <I> Base User Data Extensions |
| Physical | <I> Base Physical |
| Boundary Condition | <I> Base Boundary Condition |
| Initial Settings | <I> Base Initial Settings |
| Hydrology | <I> Base Hydrology |
| Output | <I> Base Output |
| Infiltration and Inflow | <I> Base Infiltration and Inflow |
| Rainfall Runoff | <I> Base Rainfall Runoff |
| Water Quality | <I> Base Water Quality |
| Sanitary Loading | <I> Base |
| Headloss | <I> Base Headloss |
| Operational | <I> Base Operational |
| Design | <I> Base |
| System Flows | <I> Base System Flows |
| SCADA | <I> Base SCADA |
| Energy Cost | <I> Base Energy Cost |
| Solver Calculation Options | peak flow run |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 999 | Taps | 0 |
| -Circle | 999 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 999 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|-------|
| Circle - 150.0 mm | 23,100 m | Circle - 350.0 mm | 139 m |
| Circle - 170.0 mm | 481 m | Circle - 400.0 mm | 343 m |
| Circle - 200.0 mm | 536 m | Circle - 450.0 mm | 625 m |

Hydraulic Model Inventory: Zone IX Part I .stsw

| Circle Inventory | | | |
|-------------------|-------|-------------------|----------|
| Circle - 250.0 mm | 369 m | Circle - 500.0 mm | 149 m |
| Circle - 300.0 mm | 302 m | Total Length | 26,045 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-931 | MH-934 | MH-935 | 470.92 | 469.77 | 469.11 | 150.0 | 34 | 1.00 | 51.714 | 0.010 | 0.40 | 0.0118 |
| CO-932 | MH-935 | MH-936 | 470.26 | 469.11 | 468.64 | 150.0 | 34 | 1.00 | 71.624 | 0.010 | 0.45 | 0.0237 |
| CO-933 | MH-936 | MH-937 | 469.79 | 468.64 | 468.32 | 150.0 | 28 | 1.00 | 85.883 | 0.010 | 0.48 | 0.0355 |
| CO-934 | MH-937 | MH-938 | 469.47 | 468.32 | 468.25 | 150.0 | 28 | 1.02 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-935 | MH-938 | MH-939 | 469.44 | 468.25 | 468.19 | 150.0 | 21 | 1.08 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-937 | MH-939 | MH-941 | 469.47 | 468.19 | 468.12 | 150.0 | 28 | 1.15 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-938 | MH-941 | MH-933 | 469.44 | 468.12 | 468.05 | 150.0 | 29 | 1.14 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-1276 | MH-933 | MH-1193 | 469.31 | 468.05 | 467.47 | 150.0 | 28 | 1.05 | 48.309 | 0.010 | 0.78 | 0.0947 |
| CO-1208 | MH-1157 | MH-1158 | 477.54 | 476.39 | 476.00 | 150.0 | 20 | 1.00 | 52.104 | 0.010 | 0.40 | 0.0118 |
| CO-1209 | MH-1158 | MH-1159 | 477.15 | 476.00 | 475.85 | 150.0 | 12 | 1.00 | 84.125 | 0.010 | 0.42 | 0.0237 |
| CO-1210 | MH-1159 | MH-1160 | 477.00 | 475.85 | 475.65 | 150.0 | 17 | 1.00 | 82.222 | 0.010 | 0.48 | 0.0355 |
| CO-1211 | MH-1160 | MH-1161 | 476.80 | 475.65 | 475.55 | 150.0 | 13 | 1.00 | 128.047 | 0.010 | 0.45 | 0.0473 |
| CO-1212 | MH-1161 | MH-918 | 476.70 | 475.55 | 475.12 | 150.0 | 22 | 1.00 | 51.476 | 0.010 | 0.66 | 0.0592 |
| CO-913 | MH-918 | MH-917 | 476.27 | 475.12 | 474.95 | 150.0 | 19 | 1.00 | 111.253 | 0.010 | 0.53 | 0.0710 |
| CO-1204 | MH-1153 | MH-1154 | 478.21 | 477.06 | 476.95 | 150.0 | 15 | 1.00 | 141.750 | 0.010 | 0.28 | 0.0118 |
| CO-1205 | MH-1154 | MH-1155 | 478.10 | 476.95 | 476.90 | 150.0 | 17 | 1.02 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1206 | MH-1155 | MH-1156 | 478.08 | 476.90 | 476.76 | 150.0 | 13 | 1.02 | 92.811 | 0.010 | 0.46 | 0.0355 |
| CO-1207 | MH-1156 | MH-913 | 477.91 | 476.76 | 476.45 | 150.0 | 21 | 1.00 | 67.696 | 0.010 | 0.56 | 0.0473 |
| CO-908 | MH-913 | MH-912 | 477.60 | 476.45 | 476.40 | 150.0 | 20 | 1.34 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-1166 | MH-1130 | MH-1131 | 480.00 | 478.85 | 478.79 | 150.0 | 11 | 1.00 | 180.139 | 0.010 | 0.26 | 0.0118 |
| CO-1167 | MH-1131 | MH-1132 | 479.94 | 478.79 | 478.62 | 150.0 | 13 | 1.00 | 77.873 | 0.010 | 0.44 | 0.0237 |
| CO-1147 | MH-1111 | MH-1112 | 479.00 | 477.85 | 477.78 | 150.0 | 14 | 1.23 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1148 | MH-1112 | MH-1113 | 479.40 | 477.78 | 477.74 | 150.0 | 16 | 1.50 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1149 | MH-1113 | MH-1114 | 479.43 | 477.74 | 477.70 | 150.0 | 17 | 1.72 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1153 | MH-1117 | MH-1118 | 480.05 | 478.90 | 478.77 | 150.0 | 17 | 1.00 | 129.504 | 0.010 | 0.29 | 0.0118 |
| CO-1154 | MH-1118 | MH-1114 | 479.92 | 478.77 | 478.59 | 150.0 | 13 | 1.00 | 69.821 | 0.010 | 0.45 | 0.0237 |
| CO-1150 | MH-1114 | MH-1115 | 479.74 | 477.70 | 477.65 | 150.0 | 19 | 1.90 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-1151 | MH-1115 | MH-1116 | 479.72 | 477.65 | 477.60 | 150.0 | 18 | 1.94 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-1152 | MH-1116 | MH-834 | 479.71 | 477.60 | 477.57 | 150.0 | 14 | 1.98 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-1172 | MH-834 | MH-1132 | 479.72 | 477.57 | 477.54 | 150.0 | 9 | 2.04 | 400.000 | 0.010 | 0.38 | 0.1065 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1168 | MH-1132 | MH-1133 | 479.77 | 477.54 | 477.50 | 150.0 | 19 | 2.01 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-1169 | MH-1133 | MH-1134 | 479.59 | 477.50 | 477.46 | 150.0 | 17 | 1.75 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-1170 | MH-1134 | MH-1135 | 479.17 | 477.46 | 477.41 | 150.0 | 19 | 1.42 | 400.000 | 0.010 | 0.43 | 0.1656 |
| CO-1171 | MH-1135 | MH-1129 | 478.83 | 477.41 | 477.10 | 150.0 | 16 | 1.16 | 53.237 | 0.010 | 0.91 | 0.1775 |
| CO-1159 | MH-1123 | MH-1124 | 480.07 | 478.92 | 478.25 | 150.0 | 35 | 1.00 | 51.551 | 0.010 | 0.40 | 0.0118 |
| CO-1160 | MH-1124 | MH-1125 | 479.40 | 478.25 | 477.51 | 150.0 | 34 | 1.00 | 45.817 | 0.010 | 0.52 | 0.0237 |
| CO-1161 | MH-1125 | MH-1126 | 478.66 | 477.51 | 477.25 | 150.0 | 20 | 1.00 | 76.961 | 0.010 | 0.49 | 0.0355 |
| CO-1162 | MH-1126 | MH-1127 | 478.40 | 477.25 | 477.18 | 150.0 | 19 | 1.00 | 276.445 | 0.010 | 0.34 | 0.0473 |
| CO-1163 | MH-1127 | MH-1128 | 478.33 | 477.18 | 477.15 | 150.0 | 9 | 1.00 | 285.362 | 0.010 | 0.36 | 0.0592 |
| CO-1164 | MH-1128 | MH-1129 | 478.30 | 477.15 | 477.10 | 150.0 | 20 | 1.02 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-1165 | MH-1129 | MH-910 | 478.29 | 477.10 | 477.04 | 150.0 | 23 | 1.08 | 400.000 | 0.010 | 0.49 | 0.2603 |
| CO-905 | MH-910 | MH-908 | 478.30 | 477.04 | 476.99 | 150.0 | 20 | 1.24 | 400.000 | 0.010 | 0.50 | 0.2721 |
| CO-904 | MH-908 | MH-909 | 478.50 | 476.99 | 476.92 | 150.0 | 30 | 1.33 | 400.000 | 0.010 | 0.50 | 0.2840 |
| CO-906 | MH-909 | MH-911 | 478.36 | 476.92 | 476.84 | 150.0 | 30 | 1.27 | 400.000 | 0.010 | 0.51 | 0.2958 |
| CO-907 | MH-911 | MH-912 | 478.24 | 476.84 | 476.80 | 150.0 | 16 | 1.26 | 400.000 | 0.010 | 0.51 | 0.3076 |
| CO-909 | MH-912 | MH-914 | 478.22 | 476.40 | 476.37 | 150.0 | 13 | 1.38 | 400.000 | 0.010 | 0.54 | 0.3786 |
| CO-910 | MH-914 | MH-915 | 477.60 | 476.37 | 475.91 | 150.0 | 30 | 1.04 | 66.221 | 0.010 | 1.06 | 0.3904 |
| CO-911 | MH-915 | MH-916 | 477.06 | 475.91 | 475.42 | 150.0 | 30 | 1.00 | 61.882 | 0.010 | 1.09 | 0.4023 |
| CO-912 | MH-916 | MH-917 | 476.57 | 475.42 | 474.95 | 150.0 | 23 | 1.00 | 47.853 | 0.010 | 1.20 | 0.4141 |
| CO-914 | MH-917 | MH-919 | 476.10 | 474.95 | 474.02 | 150.0 | 37 | 1.00 | 40.610 | 0.010 | 1.35 | 0.4969 |
| CO-915 | MH-919 | MH-920 | 475.17 | 474.02 | 473.35 | 150.0 | 30 | 1.00 | 44.035 | 0.010 | 1.31 | 0.5088 |
| CO-916 | MH-920 | MH-921 | 474.50 | 473.04 | 472.29 | 150.0 | 30 | 1.16 | 40.000 | 0.010 | 1.37 | 0.5206 |
| CO-917 | MH-921 | MH-922 | 473.44 | 472.19 | 471.47 | 150.0 | 29 | 1.05 | 40.000 | 0.010 | 1.37 | 0.5324 |
| CO-918 | MH-922 | MH-923 | 472.62 | 471.35 | 470.59 | 150.0 | 30 | 1.06 | 40.000 | 0.010 | 1.38 | 0.5443 |
| CO-919 | MH-923 | MH-924 | 471.74 | 470.59 | 470.16 | 150.0 | 30 | 1.00 | 69.017 | 0.010 | 1.14 | 0.5561 |
| CO-920 | MH-924 | MH-925 | 471.31 | 470.16 | 469.68 | 150.0 | 39 | 1.00 | 81.190 | 0.010 | 1.09 | 0.5679 |
| CO-921 | MH-925 | MH-906 | 470.83 | 469.68 | 469.54 | 150.0 | 33 | 1.00 | 242.032 | 0.010 | 0.73 | 0.5797 |
| CO-894 | MH-898 | MH-897 | 476.06 | 474.91 | 474.51 | 150.0 | 25 | 1.14 | 62.939 | 0.010 | 0.38 | 0.0118 |
| CO-889 | MH-893 | MH-892 | 478.31 | 477.16 | 476.92 | 150.0 | 23 | 1.00 | 95.509 | 0.010 | 0.33 | 0.0118 |
| CO-903 | MH-907 | MH-889 | 478.55 | 477.40 | 477.28 | 150.0 | 24 | 1.30 | 202.377 | 0.010 | 0.25 | 0.0118 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-886 | MH-889 | MH-890 | 479.02 | 477.28 | 477.20 | 150.0 | 31 | 1.53 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-887 | MH-890 | MH-891 | 478.82 | 477.20 | 477.13 | 150.0 | 30 | 1.30 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-888 | MH-891 | MH-892 | 478.40 | 477.13 | 476.92 | 150.0 | 18 | 1.06 | 85.968 | 0.010 | 0.52 | 0.0473 |
| CO-890 | MH-892 | MH-894 | 478.07 | 476.92 | 476.68 | 150.0 | 12 | 1.00 | 49.963 | 0.010 | 0.70 | 0.0710 |
| CO-891 | MH-894 | MH-895 | 477.83 | 476.68 | 476.01 | 150.0 | 29 | 1.00 | 44.175 | 0.010 | 0.77 | 0.0828 |
| CO-892 | MH-895 | MH-896 | 477.16 | 476.01 | 475.37 | 150.0 | 30 | 1.00 | 47.105 | 0.010 | 0.78 | 0.0947 |
| CO-893 | MH-896 | MH-897 | 476.52 | 475.37 | 474.79 | 150.0 | 25 | 1.00 | 42.272 | 0.010 | 0.84 | 0.1065 |
| CO-895 | MH-897 | MH-899 | 475.94 | 474.51 | 473.64 | 150.0 | 35 | 1.14 | 40.000 | 0.010 | 0.91 | 0.1301 |
| CO-896 | MH-899 | MH-900 | 474.79 | 473.64 | 472.90 | 150.0 | 30 | 1.00 | 40.496 | 0.010 | 0.93 | 0.1420 |
| CO-897 | MH-900 | MH-901 | 474.05 | 472.81 | 472.03 | 150.0 | 31 | 1.05 | 40.000 | 0.010 | 0.96 | 0.1538 |
| CO-898 | MH-901 | MH-902 | 473.18 | 472.03 | 471.41 | 150.0 | 29 | 1.00 | 46.821 | 0.010 | 0.93 | 0.1656 |
| CO-899 | MH-902 | MH-903 | 472.56 | 471.41 | 470.66 | 150.0 | 31 | 1.00 | 41.332 | 0.010 | 0.99 | 0.1775 |
| CO-900 | MH-903 | MH-904 | 471.81 | 470.66 | 470.06 | 150.0 | 30 | 1.00 | 50.060 | 0.010 | 0.94 | 0.1893 |
| CO-901 | MH-904 | MH-905 | 471.21 | 470.06 | 469.68 | 150.0 | 29 | 1.00 | 74.387 | 0.010 | 0.83 | 0.2011 |
| CO-902 | MH-905 | MH-906 | 470.83 | 469.68 | 469.54 | 150.0 | 12 | 1.00 | 89.841 | 0.010 | 0.79 | 0.2130 |
| CO-922 | MH-906 | MH-926 | 470.69 | 469.54 | 469.36 | 150.0 | 19 | 1.00 | 105.681 | 0.010 | 1.08 | 0.8045 |
| CO-923 | MH-926 | MH-927 | 470.51 | 469.36 | 469.06 | 150.0 | 30 | 1.00 | 100.547 | 0.010 | 1.11 | 0.8164 |
| CO-924 | MH-927 | MH-928 | 470.21 | 469.06 | 468.86 | 150.0 | 30 | 1.00 | 147.616 | 0.010 | 0.96 | 0.8282 |
| CO-925 | MH-928 | MH-929 | 470.01 | 468.86 | 468.63 | 150.0 | 38 | 1.00 | 173.555 | 0.010 | 0.90 | 0.8400 |
| CO-926 | MH-929 | MH-930 | 469.78 | 468.63 | 468.47 | 150.0 | 27 | 1.00 | 165.809 | 0.010 | 0.92 | 0.8519 |
| CO-927 | MH-930 | MH-887 | 469.62 | 468.47 | 468.30 | 150.0 | 27 | 1.00 | 153.494 | 0.010 | 0.95 | 0.8637 |
| CO-1258 | MH-887 | MH-1190 | 469.45 | 468.30 | 468.10 | 150.0 | 16 | 1.00 | 81.014 | 0.010 | 1.22 | 0.8755 |
| CO-877 | MH-881 | MH-880 | 470.77 | 469.62 | 469.50 | 150.0 | 23 | 1.13 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1202 | MH-1150 | MH-1151 | 473.57 | 472.42 | 471.83 | 150.0 | 25 | 1.11 | 42.327 | 0.010 | 0.43 | 0.0118 |
| CO-868 | MH-872 | MH-871 | 475.94 | 474.79 | 474.39 | 150.0 | 23 | 1.19 | 57.732 | 0.010 | 0.39 | 0.0118 |
| CO-864 | MH-868 | MH-867 | 478.12 | 476.97 | 476.85 | 150.0 | 23 | 1.06 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1174 | MH-1137 | MH-864 | 479.72 | 478.57 | 478.25 | 150.0 | 20 | 1.00 | 62.557 | 0.010 | 0.38 | 0.0118 |
| CO-885 | MH-888 | MH-864 | 479.11 | 477.96 | 477.85 | 150.0 | 22 | 1.20 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-861 | MH-864 | MH-865 | 479.40 | 477.85 | 477.78 | 150.0 | 30 | 1.25 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-862 | MH-865 | MH-866 | 479.03 | 477.78 | 477.37 | 150.0 | 30 | 1.05 | 74.756 | 0.010 | 0.54 | 0.0473 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-863 | MH-866 | MH-867 | 478.52 | 477.37 | 476.98 | 150.0 | 20 | 1.00 | 50.812 | 0.010 | 0.66 | 0.0592 |
| CO-865 | MH-867 | MH-869 | 478.13 | 476.85 | 476.07 | 150.0 | 40 | 1.06 | 50.743 | 0.010 | 0.73 | 0.0828 |
| CO-866 | MH-869 | MH-870 | 477.22 | 476.07 | 475.33 | 150.0 | 30 | 1.00 | 40.610 | 0.010 | 0.83 | 0.0947 |
| CO-867 | MH-870 | MH-871 | 476.48 | 475.33 | 474.77 | 150.0 | 27 | 1.00 | 48.898 | 0.010 | 0.80 | 0.1065 |
| CO-869 | MH-871 | MH-873 | 475.92 | 474.39 | 473.59 | 150.0 | 32 | 1.19 | 40.000 | 0.010 | 0.91 | 0.1301 |
| CO-870 | MH-873 | MH-874 | 474.74 | 473.57 | 472.80 | 150.0 | 30 | 1.01 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-871 | MH-874 | MH-875 | 473.95 | 472.80 | 472.28 | 150.0 | 31 | 1.00 | 58.435 | 0.010 | 0.84 | 0.1538 |
| CO-1200 | MH-875 | MH-1151 | 473.43 | 472.28 | 472.05 | 150.0 | 13 | 1.00 | 55.333 | 0.010 | 0.87 | 0.1656 |
| CO-1203 | MH-1151 | MH-1152 | 473.20 | 471.83 | 471.90 | 150.0 | 16 | 1.11 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1201 | MH-1151 | MH-876 | 473.20 | 471.83 | 471.66 | 150.0 | 17 | 1.12 | 102.892 | 0.010 | 0.74 | 0.2011 |
| CO-873 | MH-876 | MH-877 | 472.83 | 471.66 | 470.90 | 150.0 | 30 | 1.01 | 40.000 | 0.010 | 1.06 | 0.2130 |
| CO-874 | MH-877 | MH-878 | 472.05 | 470.90 | 470.29 | 150.0 | 30 | 1.00 | 48.645 | 0.010 | 1.00 | 0.2248 |
| CO-875 | MH-878 | MH-879 | 471.44 | 470.29 | 469.91 | 150.0 | 30 | 1.00 | 79.099 | 0.010 | 0.86 | 0.2366 |
| CO-876 | MH-879 | MH-880 | 471.06 | 469.91 | 469.77 | 150.0 | 13 | 1.00 | 87.960 | 0.010 | 0.83 | 0.2485 |
| CO-878 | MH-880 | MH-882 | 470.92 | 469.50 | 469.46 | 150.0 | 18 | 1.25 | 400.000 | 0.010 | 0.50 | 0.2721 |
| CO-879 | MH-882 | MH-883 | 470.84 | 469.46 | 469.24 | 150.0 | 30 | 1.12 | 134.637 | 0.010 | 0.74 | 0.2840 |
| CO-880 | MH-883 | MH-884 | 470.39 | 469.24 | 468.56 | 150.0 | 29 | 1.00 | 43.539 | 0.010 | 1.13 | 0.2958 |
| CO-881 | MH-884 | MH-885 | 469.71 | 468.56 | 468.48 | 150.0 | 32 | 1.18 | 400.000 | 0.010 | 0.51 | 0.3076 |
| CO-882 | MH-885 | MH-886 | 469.99 | 468.48 | 468.39 | 150.0 | 38 | 1.28 | 400.000 | 0.010 | 0.52 | 0.3195 |
| CO-883 | MH-886 | MH-862 | 469.74 | 468.39 | 468.32 | 150.0 | 28 | 1.16 | 400.000 | 0.010 | 0.52 | 0.3313 |
| CO-1257 | MH-862 | MH-1189 | 469.59 | 468.32 | 468.26 | 150.0 | 18 | 1.06 | 317.854 | 0.010 | 0.58 | 0.3431 |
| CO-850 | MH-854 | MH-816 | 471.11 | 469.96 | 469.83 | 150.0 | 28 | 1.20 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1191 | MH-1145 | MH-1146 | 473.94 | 472.79 | 472.72 | 150.0 | 14 | 1.03 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1194 | MH-1146 | MH-1147 | 473.93 | 472.72 | 472.46 | 150.0 | 12 | 1.08 | 46.619 | 0.010 | 0.51 | 0.0237 |
| CO-805 | MH-808 | MH-806 | 476.29 | 475.14 | 475.00 | 150.0 | 27 | 1.08 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-800 | MH-803 | MH-801 | 478.41 | 477.26 | 477.13 | 150.0 | 26 | 1.11 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-796 | MH-798 | MH-799 | 479.41 | 478.26 | 478.11 | 150.0 | 30 | 1.07 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-797 | MH-799 | MH-800 | 479.40 | 478.11 | 477.81 | 150.0 | 30 | 1.07 | 100.718 | 0.010 | 0.40 | 0.0237 |
| CO-798 | MH-800 | MH-801 | 478.96 | 477.81 | 477.36 | 150.0 | 21 | 1.00 | 46.591 | 0.010 | 0.59 | 0.0355 |
| CO-801 | MH-801 | MH-804 | 478.51 | 477.13 | 476.68 | 150.0 | 39 | 1.13 | 86.515 | 0.010 | 0.55 | 0.0592 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-802 | MH-804 | MH-805 | 477.86 | 476.68 | 475.92 | 150.0 | 30 | 1.02 | 40.000 | 0.010 | 0.76 | 0.0710 |
| CO-803 | MH-805 | MH-806 | 477.07 | 475.92 | 475.17 | 150.0 | 30 | 1.00 | 40.000 | 0.010 | 0.80 | 0.0828 |
| CO-806 | MH-806 | MH-809 | 476.32 | 475.00 | 474.29 | 150.0 | 30 | 1.08 | 41.631 | 0.010 | 0.85 | 0.1065 |
| CO-807 | MH-809 | MH-810 | 475.44 | 474.29 | 473.73 | 150.0 | 30 | 1.00 | 54.257 | 0.010 | 0.80 | 0.1183 |
| CO-808 | MH-810 | MH-811 | 474.88 | 473.73 | 473.16 | 150.0 | 30 | 1.00 | 51.903 | 0.010 | 0.83 | 0.1301 |
| CO-1192 | MH-811 | MH-1147 | 474.31 | 472.96 | 472.57 | 150.0 | 16 | 1.10 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-1193 | MH-1147 | MH-812 | 473.72 | 472.46 | 472.09 | 150.0 | 15 | 1.06 | 40.000 | 0.010 | 1.00 | 0.1775 |
| CO-810 | MH-812 | MH-813 | 473.24 | 471.97 | 471.22 | 150.0 | 30 | 1.06 | 40.000 | 0.010 | 1.02 | 0.1893 |
| CO-811 | MH-813 | MH-814 | 472.37 | 471.22 | 470.63 | 150.0 | 30 | 1.00 | 50.986 | 0.010 | 0.95 | 0.2011 |
| CO-812 | MH-814 | MH-815 | 471.78 | 470.63 | 470.34 | 150.0 | 30 | 1.00 | 100.042 | 0.010 | 0.76 | 0.2130 |
| CO-813 | MH-815 | MH-816 | 471.49 | 470.34 | 470.23 | 150.0 | 12 | 1.00 | 111.876 | 0.010 | 0.74 | 0.2248 |
| CO-814 | MH-816 | MH-817 | 471.38 | 469.83 | 469.78 | 150.0 | 18 | 1.34 | 400.000 | 0.010 | 0.49 | 0.2485 |
| CO-815 | MH-817 | MH-818 | 471.21 | 469.78 | 469.71 | 150.0 | 31 | 1.17 | 400.000 | 0.010 | 0.49 | 0.2603 |
| CO-816 | MH-818 | MH-819 | 470.91 | 469.71 | 469.48 | 150.0 | 29 | 1.03 | 129.923 | 0.010 | 0.75 | 0.2721 |
| CO-817 | MH-819 | MH-820 | 470.63 | 469.48 | 469.36 | 150.0 | 38 | 1.00 | 317.351 | 0.010 | 0.55 | 0.2840 |
| CO-818 | MH-820 | MH-796 | 470.51 | 469.36 | 469.31 | 150.0 | 20 | 1.00 | 367.610 | 0.010 | 0.53 | 0.2958 |
| CO-700 | MH-702 | MH-703 | 472.52 | 471.37 | 471.16 | 150.0 | 30 | 1.00 | 145.902 | 0.010 | 0.28 | 0.0118 |
| CO-701 | MH-703 | MH-704 | 472.31 | 471.16 | 470.69 | 150.0 | 31 | 1.00 | 65.998 | 0.010 | 0.45 | 0.0237 |
| CO-702 | MH-704 | MH-693 | 471.84 | 470.69 | 469.80 | 150.0 | 38 | 1.37 | 42.856 | 0.010 | 0.61 | 0.0355 |
| CO-355 | MH-357 | MH-356 | 480.76 | 479.61 | 479.32 | 150.0 | 23 | 1.00 | 76.569 | 0.010 | 0.35 | 0.0118 |
| CO-354 | MH-356 | MH-355 | 480.47 | 479.27 | 479.32 | 150.0 | 18 | 1.03 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-353 | MH-355 | MH-333 | 480.48 | 479.23 | 479.27 | 150.0 | 14 | 1.08 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-324 | MH-325 | MH-326 | 480.56 | 479.41 | 479.23 | 150.0 | 37 | 1.42 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-325 | MH-326 | MH-327 | 481.22 | 479.23 | 479.14 | 150.0 | 34 | 2.08 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-326 | MH-327 | MH-328 | 481.60 | 479.14 | 479.07 | 150.0 | 26 | 2.39 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-327 | MH-328 | MH-329 | 481.70 | 479.07 | 479.00 | 150.0 | 28 | 2.46 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-328 | MH-329 | MH-330 | 481.60 | 479.00 | 478.92 | 150.0 | 33 | 2.42 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-329 | MH-330 | MH-334 | 481.46 | 478.92 | 478.84 | 150.0 | 33 | 2.29 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-330 | MH-334 | MH-332 | 481.18 | 478.84 | 478.79 | 150.0 | 20 | 2.06 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-331 | MH-332 | MH-333 | 480.87 | 478.79 | 478.71 | 150.0 | 32 | 1.78 | 400.000 | 0.010 | 0.37 | 0.0947 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-332 | MH-333 | MH-1257 | 480.48 | 478.65 | 478.71 | 150.0 | 22 | 1.58 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-224 | MH-225 | MH-226 | 485.80 | 484.65 | 484.15 | 150.0 | 32 | 1.00 | 62.763 | 0.010 | 0.38 | 0.0118 |
| CO-225 | MH-226 | MH-227 | 485.30 | 484.15 | 483.84 | 150.0 | 30 | 1.00 | 96.178 | 0.010 | 0.40 | 0.0237 |
| CO-226 | MH-227 | MH-228 | 484.99 | 483.84 | 483.61 | 150.0 | 30 | 1.00 | 136.537 | 0.010 | 0.40 | 0.0355 |
| CO-227 | MH-228 | MH-229 | 484.76 | 483.61 | 483.54 | 150.0 | 28 | 1.20 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-228 | MH-229 | MH-230 | 485.10 | 483.54 | 483.45 | 150.0 | 37 | 1.66 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-229 | MH-230 | MH-224 | 485.53 | 483.45 | 483.37 | 150.0 | 31 | 2.13 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-213 | MH-214 | MH-215 | 487.69 | 486.54 | 486.30 | 150.0 | 20 | 1.00 | 83.823 | 0.010 | 0.34 | 0.0118 |
| CO-214 | MH-215 | MH-216 | 487.45 | 486.30 | 486.01 | 150.0 | 28 | 1.00 | 97.846 | 0.010 | 0.40 | 0.0237 |
| CO-215 | MH-216 | MH-217 | 487.16 | 486.01 | 485.86 | 150.0 | 30 | 1.00 | 202.221 | 0.010 | 0.35 | 0.0355 |
| CO-216 | MH-217 | MH-218 | 487.01 | 485.86 | 485.79 | 150.0 | 31 | 1.05 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-217 | MH-218 | MH-219 | 487.04 | 485.79 | 485.71 | 150.0 | 30 | 1.19 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-218 | MH-219 | MH-220 | 487.13 | 485.71 | 485.63 | 150.0 | 30 | 1.39 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-219 | MH-220 | MH-209 | 487.30 | 485.63 | 485.56 | 150.0 | 29 | 1.47 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-176 | MH-178 | MH-179 | 490.15 | 489.00 | 488.77 | 150.0 | 30 | 1.00 | 129.946 | 0.010 | 0.29 | 0.0118 |
| CO-177 | MH-179 | MH-177 | 489.92 | 488.77 | 488.65 | 150.0 | 30 | 1.00 | 255.074 | 0.010 | 0.29 | 0.0237 |
| CO-144 | MH-145 | MH-146 | 490.17 | 489.02 | 488.92 | 150.0 | 20 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-145 | MH-146 | MH-147 | 490.15 | 488.92 | 488.82 | 150.0 | 37 | 1.11 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-154 | MH-147 | MH-157 | 490.12 | 488.82 | 488.77 | 150.0 | 23 | 1.14 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-155 | MH-157 | MH-158 | 490.05 | 488.77 | 488.71 | 150.0 | 20 | 1.11 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-156 | MH-158 | MH-156 | 489.95 | 488.71 | 488.49 | 150.0 | 17 | 1.04 | 77.291 | 0.010 | 0.57 | 0.0592 |
| CO-157 | MH-156 | MH-159 | 489.64 | 488.49 | 488.41 | 150.0 | 33 | 1.02 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-158 | MH-159 | MH-160 | 489.60 | 488.41 | 488.32 | 150.0 | 34 | 1.06 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-162 | MH-160 | MH-164 | 489.54 | 488.32 | 488.28 | 150.0 | 18 | 1.09 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-163 | MH-164 | MH-165 | 489.53 | 488.28 | 488.23 | 150.0 | 20 | 1.14 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-167 | MH-165 | MH-169 | 489.55 | 488.23 | 488.13 | 150.0 | 37 | 1.28 | 400.000 | 0.010 | 0.39 | 0.1183 |
| CO-168 | MH-169 | MH-170 | 489.67 | 488.13 | 488.06 | 150.0 | 30 | 1.50 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-169 | MH-170 | MH-171 | 489.83 | 488.06 | 487.99 | 150.0 | 28 | 1.71 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-173 | MH-171 | MH-175 | 489.93 | 487.99 | 487.91 | 150.0 | 32 | 1.82 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-174 | MH-175 | MH-176 | 489.91 | 487.91 | 487.84 | 150.0 | 29 | 1.84 | 400.000 | 0.010 | 0.43 | 0.1656 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-175 | MH-176 | MH-177 | 489.81 | 487.84 | 487.74 | 150.0 | 39 | 1.87 | 400.000 | 0.010 | 0.44 | 0.1775 |
| CO-178 | MH-177 | MH-180 | 489.80 | 487.74 | 487.68 | 150.0 | 23 | 1.88 | 400.000 | 0.010 | 0.47 | 0.2130 |
| CO-179 | MH-180 | MH-181 | 489.69 | 487.68 | 487.61 | 150.0 | 30 | 1.80 | 400.000 | 0.010 | 0.47 | 0.2248 |
| CO-180 | MH-181 | MH-182 | 489.51 | 487.61 | 487.54 | 150.0 | 29 | 1.71 | 400.000 | 0.010 | 0.48 | 0.2366 |
| CO-181 | MH-182 | MH-183 | 489.35 | 487.54 | 487.49 | 150.0 | 17 | 1.61 | 400.000 | 0.010 | 0.49 | 0.2485 |
| CO-185 | MH-183 | MH-187 | 489.19 | 487.49 | 487.43 | 150.0 | 26 | 1.51 | 400.000 | 0.010 | 0.49 | 0.2603 |
| CO-189 | MH-187 | MH-191 | 489.05 | 487.43 | 487.38 | 150.0 | 20 | 1.46 | 400.000 | 0.010 | 0.50 | 0.2721 |
| CO-190 | MH-191 | MH-192 | 488.98 | 487.38 | 487.31 | 150.0 | 28 | 1.44 | 400.000 | 0.010 | 0.50 | 0.2840 |
| CO-191 | MH-192 | MH-193 | 488.88 | 487.31 | 487.25 | 150.0 | 25 | 1.42 | 400.000 | 0.010 | 0.51 | 0.2958 |
| CO-195 | MH-193 | MH-197 | 488.82 | 487.25 | 487.16 | 150.0 | 35 | 1.46 | 400.000 | 0.010 | 0.51 | 0.3076 |
| CO-196 | MH-197 | MH-198 | 488.81 | 487.16 | 487.08 | 150.0 | 30 | 1.55 | 400.000 | 0.010 | 0.52 | 0.3195 |
| CO-197 | MH-198 | MH-199 | 488.84 | 487.08 | 487.00 | 150.0 | 33 | 1.67 | 400.000 | 0.010 | 0.52 | 0.3313 |
| CO-202 | MH-199 | MH-204 | 488.88 | 487.00 | 486.98 | 150.0 | 10 | 1.72 | 400.000 | 0.010 | 0.53 | 0.3431 |
| CO-203 | MH-204 | MH-205 | 488.84 | 486.98 | 486.90 | 150.0 | 30 | 1.63 | 400.000 | 0.010 | 0.53 | 0.3549 |
| CO-204 | MH-205 | MH-206 | 488.61 | 486.90 | 486.83 | 150.0 | 30 | 1.46 | 400.000 | 0.010 | 0.54 | 0.3668 |
| CO-205 | MH-206 | MH-207 | 488.34 | 486.83 | 486.75 | 150.0 | 30 | 1.27 | 400.000 | 0.010 | 0.54 | 0.3786 |
| CO-206 | MH-207 | MH-208 | 488.09 | 486.75 | 486.51 | 150.0 | 30 | 1.09 | 126.479 | 0.010 | 0.84 | 0.3904 |
| CO-207 | MH-208 | MH-209 | 487.66 | 486.51 | 485.99 | 150.0 | 30 | 1.00 | 57.901 | 0.010 | 1.12 | 0.4023 |
| CO-220 | MH-209 | MH-221 | 487.14 | 485.56 | 485.49 | 150.0 | 30 | 1.30 | 400.000 | 0.010 | 0.58 | 0.4969 |
| CO-221 | MH-221 | MH-222 | 486.80 | 485.49 | 485.34 | 150.0 | 30 | 1.08 | 205.751 | 0.010 | 0.75 | 0.5088 |
| CO-222 | MH-222 | MH-223 | 486.49 | 485.34 | 485.00 | 150.0 | 23 | 1.00 | 66.102 | 0.010 | 1.14 | 0.5206 |
| CO-223 | MH-223 | MH-224 | 486.15 | 485.00 | 484.70 | 150.0 | 20 | 1.00 | 65.576 | 0.010 | 1.15 | 0.5324 |
| CO-230 | MH-224 | MH-231 | 485.85 | 483.37 | 483.33 | 150.0 | 18 | 2.28 | 400.000 | 0.010 | 0.61 | 0.6152 |
| CO-231 | MH-231 | MH-232 | 485.71 | 483.33 | 483.26 | 150.0 | 30 | 2.08 | 400.000 | 0.010 | 0.61 | 0.6271 |
| CO-232 | MH-232 | MH-233 | 485.34 | 483.26 | 483.17 | 150.0 | 35 | 1.69 | 400.000 | 0.010 | 0.61 | 0.6389 |
| CO-237 | MH-233 | MH-238 | 484.75 | 483.17 | 483.10 | 150.0 | 26 | 1.25 | 400.000 | 0.010 | 0.62 | 0.6507 |
| CO-238 | MH-238 | MH-239 | 484.32 | 483.10 | 482.57 | 150.0 | 30 | 1.03 | 56.377 | 0.010 | 1.29 | 0.6626 |
| CO-239 | MH-239 | MH-240 | 483.72 | 482.57 | 482.07 | 150.0 | 30 | 1.00 | 59.736 | 0.010 | 1.27 | 0.6744 |
| CO-240 | MH-240 | MH-241 | 483.22 | 482.07 | 481.60 | 150.0 | 30 | 1.00 | 62.973 | 0.010 | 1.26 | 0.6862 |
| CO-241 | MH-241 | MH-242 | 482.75 | 481.60 | 481.19 | 150.0 | 29 | 1.00 | 71.410 | 0.010 | 1.20 | 0.6981 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-242 | MH-242 | MH-243 | 482.34 | 481.19 | 480.98 | 150.0 | 22 | 1.00 | 105.180 | 0.010 | 1.05 | 0.7099 |
| CO-243 | MH-243 | MH-244 | 482.13 | 480.98 | 480.72 | 150.0 | 15 | 1.00 | 58.319 | 0.010 | 1.31 | 0.7217 |
| CO-244 | MH-244 | MH-245 | 481.87 | 480.72 | 480.26 | 150.0 | 24 | 1.00 | 51.630 | 0.010 | 1.37 | 0.7336 |
| CO-245 | MH-245 | MH-1257 | 481.41 | 480.26 | 479.20 | 150.0 | 44 | 1.00 | 41.230 | 0.010 | 1.50 | 0.7454 |
| CO-1277 | MH-257 | MH-1257 | 480.38 | 479.23 | 479.13 | 150.0 | 22 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1332 | MH-1257 | MH-1267 | 480.35 | 478.63 | 478.51 | 200.0 | 48 | 1.36 | 400.000 | 0.010 | 0.67 | 0.9110 |
| CO-1333 | MH-1267 | MH-1258 | 479.92 | 478.51 | 478.43 | 200.0 | 34 | 1.09 | 400.000 | 0.010 | 0.67 | 0.9110 |
| CO-1318 | MH-1258 | MH-1259 | 479.61 | 478.43 | 477.96 | 200.0 | 43 | 0.98 | 91.565 | 0.010 | 1.18 | 0.9229 |
| CO-1319 | MH-1259 | MH-1260 | 479.13 | 477.96 | 477.12 | 200.0 | 50 | 0.97 | 59.713 | 0.010 | 1.38 | 0.9347 |
| CO-1320 | MH-1260 | MH-1261 | 478.29 | 477.12 | 475.81 | 200.0 | 59 | 0.97 | 45.098 | 0.010 | 1.53 | 0.9465 |
| CO-1321 | MH-1261 | MH-1262 | 476.98 | 475.81 | 475.38 | 200.0 | 30 | 0.97 | 71.208 | 0.010 | 1.31 | 0.9584 |
| CO-1322 | MH-1262 | MH-1263 | 476.55 | 475.38 | 475.29 | 200.0 | 27 | 0.97 | 279.219 | 0.010 | 0.78 | 0.9702 |
| CO-1323 | MH-1263 | MH-368 | 476.46 | 475.29 | 474.79 | 200.0 | 27 | 0.97 | 54.614 | 0.010 | 1.45 | 0.9820 |
| CO-368 | MH-368 | MH-369 | 475.96 | 474.76 | 474.48 | 200.0 | 33 | 1.00 | 116.349 | 0.011 | 1.02 | 0.9938 |
| CO-1311 | MH-1251 | MH-1252 | 478.12 | 476.97 | 476.47 | 150.0 | 21 | 1.00 | 42.470 | 0.010 | 0.43 | 0.0118 |
| CO-1312 | MH-1252 | MH-1253 | 477.62 | 476.47 | 475.85 | 150.0 | 27 | 1.00 | 44.517 | 0.010 | 0.52 | 0.0237 |
| CO-1313 | MH-1253 | MH-1254 | 477.00 | 475.85 | 475.56 | 150.0 | 31 | 1.00 | 106.029 | 0.010 | 0.44 | 0.0355 |
| CO-1314 | MH-1254 | MH-1255 | 476.71 | 475.56 | 475.19 | 150.0 | 30 | 1.00 | 81.464 | 0.010 | 0.53 | 0.0473 |
| CO-1315 | MH-1255 | MH-1256 | 476.34 | 475.19 | 475.02 | 150.0 | 27 | 1.00 | 153.896 | 0.010 | 0.45 | 0.0592 |
| CO-1316 | MH-1256 | MH-369 | 476.17 | 475.02 | 474.53 | 150.0 | 29 | 1.00 | 59.439 | 0.010 | 0.66 | 0.0710 |
| CO-1061 | MH-1025 | MH-1026 | 474.70 | 473.55 | 473.45 | 150.0 | 19 | 1.05 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1062 | MH-1026 | MH-1027 | 474.70 | 473.45 | 473.41 | 150.0 | 17 | 1.32 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1063 | MH-1027 | MH-1028 | 475.11 | 473.41 | 473.36 | 150.0 | 19 | 1.66 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1064 | MH-1028 | MH-1029 | 475.29 | 473.36 | 473.32 | 150.0 | 17 | 1.92 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-1067 | MH-1029 | MH-1030 | 475.53 | 473.32 | 473.09 | 150.0 | 25 | 2.42 | 106.737 | 0.010 | 0.51 | 0.0592 |
| CO-1053 | MH-1018 | MH-1019 | 474.66 | 473.51 | 473.43 | 150.0 | 15 | 1.03 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1054 | MH-1019 | MH-1020 | 474.65 | 473.43 | 473.37 | 150.0 | 23 | 1.35 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1055 | MH-1020 | MH-1021 | 475.15 | 473.37 | 473.31 | 150.0 | 25 | 1.90 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1056 | MH-1021 | MH-1022 | 475.63 | 473.31 | 473.25 | 150.0 | 21 | 2.40 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-1057 | MH-1022 | MH-1023 | 476.03 | 473.25 | 473.22 | 150.0 | 12 | 2.67 | 400.000 | 0.010 | 0.32 | 0.0592 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1060 | MH-1023 | MH-1024 | 476.10 | 473.22 | 473.16 | 150.0 | 25 | 2.94 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-1050 | MH-1015 | MH-1016 | 475.99 | 474.84 | 474.68 | 150.0 | 33 | 1.45 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1051 | MH-1016 | MH-1017 | 476.72 | 474.68 | 474.64 | 150.0 | 12 | 2.03 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1052 | MH-1017 | MH-301 | 476.97 | 474.64 | 474.58 | 150.0 | 25 | 2.42 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-300 | MH-302 | MH-301 | 477.81 | 476.66 | 476.26 | 150.0 | 29 | 1.00 | 72.539 | 0.010 | 0.36 | 0.0118 |
| CO-1284 | MH-1225 | MH-1226 | 479.71 | 478.56 | 478.02 | 150.0 | 42 | 1.00 | 78.446 | 0.010 | 0.35 | 0.0118 |
| CO-1285 | MH-1226 | MH-1227 | 479.17 | 478.02 | 477.76 | 150.0 | 22 | 1.00 | 84.937 | 0.010 | 0.42 | 0.0237 |
| CO-1286 | MH-1227 | MH-1228 | 478.91 | 477.76 | 477.28 | 150.0 | 47 | 1.00 | 97.610 | 0.010 | 0.45 | 0.0355 |
| CO-1287 | MH-1228 | MH-301 | 478.43 | 477.28 | 476.26 | 150.0 | 66 | 1.00 | 65.170 | 0.010 | 0.57 | 0.0473 |
| CO-309 | MH-301 | MH-312 | 477.41 | 474.58 | 474.52 | 150.0 | 23 | 2.47 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-306 | MH-310 | MH-309 | 478.06 | 476.91 | 476.56 | 150.0 | 15 | 1.00 | 43.463 | 0.010 | 0.43 | 0.0118 |
| CO-303 | MH-307 | MH-305 | 478.50 | 477.35 | 477.10 | 150.0 | 12 | 1.00 | 47.651 | 0.010 | 0.42 | 0.0118 |
| CO-285 | MH-287 | MH-288 | 481.05 | 479.90 | 479.71 | 150.0 | 20 | 1.00 | 101.342 | 0.010 | 0.32 | 0.0118 |
| CO-286 | MH-288 | MH-289 | 480.86 | 479.71 | 479.43 | 150.0 | 27 | 1.00 | 97.695 | 0.010 | 0.40 | 0.0237 |
| CO-287 | MH-289 | MH-290 | 480.58 | 479.43 | 479.29 | 150.0 | 31 | 1.00 | 218.346 | 0.010 | 0.34 | 0.0355 |
| CO-288 | MH-290 | MH-286 | 480.44 | 479.29 | 479.04 | 150.0 | 25 | 1.00 | 98.864 | 0.010 | 0.49 | 0.0473 |
| CO-280 | MH-281 | MH-282 | 481.82 | 480.67 | 480.51 | 150.0 | 18 | 1.00 | 115.904 | 0.010 | 0.30 | 0.0118 |
| CO-281 | MH-282 | MH-283 | 481.66 | 480.51 | 480.38 | 150.0 | 30 | 1.00 | 223.536 | 0.010 | 0.30 | 0.0237 |
| CO-282 | MH-283 | MH-284 | 481.53 | 480.38 | 479.83 | 150.0 | 27 | 1.00 | 48.580 | 0.010 | 0.58 | 0.0355 |
| CO-283 | MH-284 | MH-285 | 480.98 | 479.83 | 479.41 | 150.0 | 29 | 1.00 | 70.377 | 0.010 | 0.55 | 0.0473 |
| CO-284 | MH-285 | MH-286 | 480.56 | 479.41 | 479.04 | 150.0 | 30 | 1.00 | 79.525 | 0.010 | 0.57 | 0.0592 |
| CO-289 | MH-286 | MH-291 | 480.19 | 479.04 | 478.99 | 150.0 | 7 | 1.00 | 145.364 | 0.010 | 0.56 | 0.1183 |
| CO-290 | MH-291 | MH-292 | 480.14 | 478.99 | 478.86 | 150.0 | 21 | 1.00 | 170.709 | 0.010 | 0.55 | 0.1301 |
| CO-291 | MH-292 | MH-293 | 480.01 | 478.86 | 478.67 | 150.0 | 19 | 1.00 | 96.680 | 0.010 | 0.68 | 0.1420 |
| CO-292 | MH-293 | MH-294 | 479.82 | 478.67 | 478.62 | 150.0 | 14 | 1.00 | 268.006 | 0.010 | 0.49 | 0.1538 |
| CO-557 | MH-561 | MH-294 | 480.22 | 479.07 | 478.62 | 150.0 | 29 | 1.00 | 64.650 | 0.010 | 0.37 | 0.0118 |
| CO-1278 | MH-294 | MH-303 | 479.77 | 478.62 | 478.32 | 150.0 | 20 | 1.00 | 68.200 | 0.010 | 0.83 | 0.1775 |
| CO-301 | MH-303 | MH-304 | 479.47 | 478.32 | 477.78 | 150.0 | 26 | 1.00 | 49.010 | 0.010 | 0.95 | 0.1893 |
| CO-302 | MH-304 | MH-305 | 478.93 | 477.78 | 477.10 | 150.0 | 30 | 1.00 | 44.500 | 0.010 | 1.00 | 0.2011 |
| CO-304 | MH-305 | MH-308 | 478.25 | 477.10 | 476.68 | 150.0 | 31 | 1.00 | 75.271 | 0.010 | 0.86 | 0.2248 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-305 | MH-308 | MH-309 | 477.83 | 476.68 | 476.56 | 150.0 | 26 | 1.00 | 209.549 | 0.010 | 0.60 | 0.2366 |
| CO-307 | MH-309 | MH-311 | 477.71 | 476.56 | 476.34 | 150.0 | 30 | 1.00 | 140.570 | 0.010 | 0.72 | 0.2603 |
| CO-308 | MH-311 | MH-312 | 477.49 | 476.34 | 475.79 | 150.0 | 34 | 1.00 | 60.296 | 0.010 | 0.98 | 0.2721 |
| CO-1058 | MH-312 | MH-1024 | 476.94 | 474.52 | 474.48 | 150.0 | 19 | 2.05 | 400.000 | 0.010 | 0.55 | 0.3904 |
| CO-1059 | MH-1024 | MH-322 | 476.46 | 473.16 | 473.12 | 150.0 | 16 | 3.05 | 400.000 | 0.010 | 0.57 | 0.4733 |
| CO-1288 | MH-1229 | MH-1230 | 480.04 | 478.89 | 478.48 | 150.0 | 34 | 1.00 | 82.804 | 0.010 | 0.34 | 0.0118 |
| CO-1289 | MH-1230 | MH-1231 | 479.63 | 478.48 | 477.69 | 150.0 | 34 | 1.00 | 42.243 | 0.010 | 0.53 | 0.0237 |
| CO-1290 | MH-1231 | MH-1232 | 478.84 | 477.69 | 477.56 | 150.0 | 27 | 1.00 | 212.200 | 0.010 | 0.34 | 0.0355 |
| CO-1291 | MH-1232 | MH-1233 | 478.71 | 477.56 | 477.12 | 150.0 | 28 | 1.00 | 63.335 | 0.010 | 0.57 | 0.0473 |
| CO-1292 | MH-1233 | MH-1222 | 478.27 | 477.12 | 477.03 | 150.0 | 34 | 1.04 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-1330 | MH-1266 | MH-1222 | 479.30 | 477.12 | 477.82 | 150.0 | 28 | 1.16 | 40.000 | 0.010 | 0.44 | 0.0115 |
| CO-1293 | MH-1222 | MH-1234 | 478.27 | 477.03 | 476.76 | 150.0 | 41 | 1.04 | 152.286 | 0.010 | 0.50 | 0.0825 |
| CO-1294 | MH-1234 | MH-1235 | 477.91 | 476.76 | 476.31 | 150.0 | 37 | 1.00 | 80.777 | 0.010 | 0.65 | 0.0944 |
| CO-1295 | MH-1235 | MH-1236 | 477.46 | 476.31 | 475.99 | 150.0 | 34 | 1.00 | 108.731 | 0.010 | 0.60 | 0.1062 |
| CO-1296 | MH-1236 | MH-1237 | 477.14 | 475.99 | 475.59 | 150.0 | 28 | 1.00 | 70.277 | 0.010 | 0.73 | 0.1180 |
| CO-1297 | MH-1237 | MH-322 | 476.74 | 475.59 | 475.07 | 150.0 | 38 | 1.00 | 72.273 | 0.010 | 0.74 | 0.1298 |
| CO-1065 | MH-322 | MH-1030 | 476.22 | 473.12 | 473.09 | 150.0 | 12 | 2.86 | 400.000 | 0.010 | 0.61 | 0.6149 |
| CO-1066 | MH-1030 | MH-280 | 476.01 | 473.09 | 473.05 | 150.0 | 16 | 2.75 | 400.000 | 0.010 | 0.62 | 0.6859 |
| CO-1298 | MH-1238 | MH-1239 | 477.06 | 475.91 | 475.20 | 150.0 | 59 | 1.00 | 83.581 | 0.010 | 0.34 | 0.0118 |
| CO-1299 | MH-1239 | MH-1240 | 476.35 | 475.20 | 474.97 | 150.0 | 54 | 1.00 | 240.324 | 0.010 | 0.29 | 0.0237 |
| CO-1300 | MH-1240 | MH-280 | 476.12 | 474.97 | 474.79 | 150.0 | 23 | 1.00 | 124.742 | 0.010 | 0.42 | 0.0355 |
| CO-322 | MH-280 | MH-323 | 475.94 | 473.05 | 473.01 | 150.0 | 18 | 2.62 | 400.000 | 0.010 | 0.63 | 0.7333 |
| CO-323 | MH-323 | MH-324 | 475.65 | 473.01 | 472.93 | 150.0 | 30 | 2.49 | 400.000 | 0.010 | 0.63 | 0.7451 |
| CO-264 | MH-265 | MH-266 | 480.01 | 478.70 | 478.16 | 150.0 | 22 | 1.08 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-265 | MH-266 | MH-267 | 479.31 | 478.16 | 477.71 | 150.0 | 31 | 1.00 | 69.345 | 0.010 | 0.46 | 0.0237 |
| CO-266 | MH-267 | MH-268 | 478.86 | 477.71 | 477.22 | 150.0 | 31 | 1.00 | 62.288 | 0.010 | 0.53 | 0.0355 |
| CO-267 | MH-268 | MH-269 | 478.37 | 477.22 | 476.85 | 150.0 | 30 | 1.00 | 83.224 | 0.010 | 0.52 | 0.0473 |
| CO-268 | MH-269 | MH-270 | 478.00 | 476.85 | 476.41 | 150.0 | 38 | 1.00 | 84.532 | 0.010 | 0.56 | 0.0592 |
| CO-1327 | MH-270 | MH-1246 | 477.56 | 476.41 | 475.77 | 150.0 | 27 | 1.00 | 42.934 | 0.010 | 0.74 | 0.0710 |
| CO-135 | MH-137 | MH-138 | 487.20 | 486.05 | 485.91 | 150.0 | 30 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-136 | MH-138 | MH-139 | 487.13 | 485.91 | 485.61 | 150.0 | 31 | 1.04 | 102.866 | 0.010 | 0.39 | 0.0237 |
| CO-137 | MH-139 | MH-140 | 486.76 | 485.61 | 485.32 | 150.0 | 30 | 1.00 | 103.893 | 0.010 | 0.44 | 0.0355 |
| CO-138 | MH-140 | MH-141 | 486.47 | 485.32 | 484.82 | 150.0 | 30 | 1.00 | 60.771 | 0.010 | 0.58 | 0.0473 |
| CO-139 | MH-141 | MH-136 | 485.97 | 484.82 | 484.35 | 150.0 | 28 | 1.00 | 58.442 | 0.010 | 0.63 | 0.0592 |
| CO-129 | MH-130 | MH-131 | 487.76 | 486.61 | 486.15 | 150.0 | 30 | 1.00 | 66.978 | 0.010 | 0.37 | 0.0118 |
| CO-130 | MH-131 | MH-132 | 487.30 | 486.15 | 485.57 | 150.0 | 30 | 1.00 | 52.664 | 0.010 | 0.49 | 0.0237 |
| CO-131 | MH-132 | MH-133 | 486.72 | 485.57 | 485.01 | 150.0 | 30 | 1.00 | 52.541 | 0.010 | 0.56 | 0.0355 |
| CO-132 | MH-133 | MH-134 | 486.16 | 485.01 | 484.61 | 150.0 | 29 | 1.00 | 73.926 | 0.010 | 0.54 | 0.0473 |
| CO-133 | MH-134 | MH-135 | 485.76 | 484.61 | 484.43 | 150.0 | 30 | 1.00 | 164.379 | 0.010 | 0.44 | 0.0592 |
| CO-134 | MH-135 | MH-136 | 485.58 | 484.43 | 484.35 | 150.0 | 32 | 1.00 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-140 | MH-136 | MH-142 | 485.50 | 484.35 | 484.04 | 150.0 | 36 | 1.00 | 115.548 | 0.010 | 0.64 | 0.1420 |
| CO-141 | MH-142 | MH-143 | 485.19 | 484.04 | 483.45 | 150.0 | 31 | 1.00 | 52.232 | 0.010 | 0.87 | 0.1538 |
| CO-142 | MH-143 | MH-144 | 484.60 | 483.45 | 483.02 | 150.0 | 29 | 1.00 | 68.511 | 0.010 | 0.81 | 0.1656 |
| CO-143 | MH-144 | MH-129 | 484.17 | 483.02 | 482.84 | 150.0 | 43 | 1.00 | 233.943 | 0.010 | 0.53 | 0.1775 |
| CO-112 | MH-114 | MH-115 | 487.23 | 486.08 | 485.93 | 150.0 | 30 | 1.11 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-113 | MH-115 | MH-116 | 487.30 | 485.93 | 485.85 | 150.0 | 30 | 1.28 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-114 | MH-116 | MH-113 | 487.36 | 485.85 | 485.78 | 150.0 | 30 | 1.37 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-108 | MH-109 | MH-110 | 488.84 | 487.69 | 487.39 | 150.0 | 30 | 1.00 | 99.998 | 0.010 | 0.32 | 0.0118 |
| CO-109 | MH-110 | MH-111 | 488.54 | 487.39 | 486.96 | 150.0 | 30 | 1.00 | 69.051 | 0.010 | 0.46 | 0.0237 |
| CO-110 | MH-111 | MH-112 | 488.11 | 486.96 | 486.52 | 150.0 | 30 | 1.00 | 69.157 | 0.010 | 0.51 | 0.0355 |
| CO-111 | MH-112 | MH-113 | 487.67 | 486.52 | 486.16 | 150.0 | 30 | 1.00 | 82.656 | 0.010 | 0.52 | 0.0473 |
| CO-115 | MH-113 | MH-117 | 487.31 | 485.78 | 485.70 | 150.0 | 29 | 1.23 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-116 | MH-117 | MH-118 | 486.93 | 485.70 | 485.23 | 150.0 | 31 | 1.04 | 66.593 | 0.010 | 0.72 | 0.1065 |
| CO-117 | MH-118 | MH-119 | 486.38 | 485.23 | 484.56 | 150.0 | 29 | 1.01 | 43.465 | 0.010 | 0.86 | 0.1183 |
| CO-118 | MH-119 | MH-108 | 485.72 | 484.56 | 483.85 | 150.0 | 28 | 1.01 | 40.000 | 0.010 | 0.91 | 0.1301 |
| CO-23 | MH-24 | MH-25 | 486.71 | 485.56 | 485.15 | 150.0 | 30 | 1.00 | 74.227 | 0.010 | 0.36 | 0.0118 |
| CO-24 | MH-25 | MH-23 | 486.30 | 485.15 | 484.89 | 150.0 | 27 | 1.00 | 102.147 | 0.010 | 0.40 | 0.0237 |
| CO-38 | MH-35 | MH-40 | 489.55 | 488.38 | 488.53 | 150.0 | 31 | 1.01 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-33 | MH-34 | MH-35 | 489.61 | 488.30 | 488.38 | 150.0 | 29 | 1.09 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-32 | MH-16 | MH-34 | 489.46 | 488.20 | 488.30 | 150.0 | 42 | 1.13 | 400.000 | 0.010 | 0.28 | 0.0355 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-16 | MH-16 | MH-17 | 489.46 | 488.20 | 487.85 | 150.0 | 28 | 1.06 | 82.804 | 0.010 | 0.52 | 0.0473 |
| CO-17 | MH-17 | MH-18 | 489.00 | 487.85 | 487.36 | 150.0 | 30 | 1.00 | 62.112 | 0.010 | 0.62 | 0.0592 |
| CO-18 | MH-18 | MH-19 | 488.51 | 487.36 | 486.86 | 150.0 | 30 | 1.00 | 59.292 | 0.010 | 0.66 | 0.0710 |
| CO-19 | MH-19 | MH-20 | 488.01 | 486.86 | 486.25 | 150.0 | 30 | 1.00 | 48.893 | 0.010 | 0.74 | 0.0828 |
| CO-20 | MH-20 | MH-21 | 487.40 | 486.25 | 485.55 | 150.0 | 30 | 1.00 | 43.806 | 0.010 | 0.80 | 0.0947 |
| CO-21 | MH-21 | MH-22 | 486.70 | 485.55 | 485.02 | 150.0 | 30 | 1.00 | 55.055 | 0.010 | 0.77 | 0.1065 |
| CO-22 | MH-22 | MH-23 | 486.17 | 485.02 | 484.89 | 150.0 | 29 | 1.00 | 225.127 | 0.010 | 0.48 | 0.1183 |
| CO-976 | MH-23 | MH-967 | 486.04 | 484.89 | 484.80 | 150.0 | 34 | 1.16 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-978 | MH-967 | MH-968 | 486.28 | 484.80 | 484.72 | 150.0 | 31 | 1.26 | 400.000 | 0.010 | 0.43 | 0.1656 |
| CO-980 | MH-968 | MH-969 | 486.08 | 484.72 | 484.65 | 150.0 | 28 | 1.28 | 400.000 | 0.010 | 0.44 | 0.1775 |
| CO-982 | MH-969 | MH-970 | 486.15 | 484.65 | 484.58 | 150.0 | 30 | 1.38 | 400.000 | 0.010 | 0.45 | 0.1893 |
| CO-984 | MH-970 | MH-971 | 486.13 | 484.58 | 484.50 | 150.0 | 30 | 1.41 | 400.000 | 0.010 | 0.46 | 0.2011 |
| CO-986 | MH-971 | MH-972 | 486.06 | 484.50 | 484.43 | 150.0 | 29 | 1.40 | 400.000 | 0.010 | 0.47 | 0.2130 |
| CO-987 | MH-972 | MH-32 | 485.98 | 484.43 | 484.37 | 150.0 | 24 | 1.21 | 400.000 | 0.010 | 0.47 | 0.2248 |
| CO-47 | MH-49 | MH-50 | 490.16 | 489.01 | 488.87 | 150.0 | 29 | 1.09 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-48 | MH-50 | MH-51 | 490.19 | 488.87 | 488.76 | 150.0 | 30 | 1.09 | 281.720 | 0.010 | 0.28 | 0.0237 |
| CO-49 | MH-51 | MH-44 | 489.91 | 488.76 | 488.63 | 150.0 | 11 | 1.00 | 81.922 | 0.010 | 0.48 | 0.0355 |
| CO-1234 | MH-1184 | MH-41 | 489.66 | 488.51 | 488.42 | 150.0 | 19 | 1.03 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-40 | MH-41 | MH-42 | 489.63 | 488.42 | 488.33 | 150.0 | 31 | 1.20 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-41 | MH-42 | MH-43 | 489.81 | 488.33 | 488.26 | 150.0 | 28 | 1.29 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-42 | MH-43 | MH-44 | 489.67 | 488.26 | 488.15 | 150.0 | 47 | 1.37 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-54 | MH-44 | MH-56 | 489.78 | 488.15 | 488.10 | 150.0 | 19 | 1.38 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-55 | MH-56 | MH-57 | 489.52 | 488.10 | 487.92 | 150.0 | 30 | 1.14 | 169.635 | 0.010 | 0.52 | 0.1065 |
| CO-56 | MH-57 | MH-58 | 489.07 | 487.92 | 487.31 | 150.0 | 35 | 1.00 | 56.531 | 0.010 | 0.79 | 0.1183 |
| CO-62 | MH-58 | MH-64 | 488.46 | 487.31 | 486.96 | 150.0 | 25 | 1.00 | 72.173 | 0.010 | 0.74 | 0.1301 |
| CO-63 | MH-64 | MH-65 | 488.11 | 486.96 | 486.69 | 150.0 | 35 | 1.00 | 133.665 | 0.010 | 0.61 | 0.1420 |
| CO-68 | MH-65 | MH-70 | 487.84 | 486.69 | 486.43 | 150.0 | 25 | 1.00 | 93.624 | 0.010 | 0.71 | 0.1538 |
| CO-69 | MH-70 | MH-71 | 487.58 | 486.43 | 485.90 | 150.0 | 33 | 1.00 | 62.859 | 0.010 | 0.84 | 0.1656 |
| CO-74 | MH-71 | MH-76 | 487.05 | 485.90 | 485.38 | 150.0 | 27 | 1.00 | 51.634 | 0.010 | 0.92 | 0.1775 |
| CO-75 | MH-76 | MH-77 | 486.53 | 485.38 | 484.67 | 150.0 | 30 | 1.06 | 42.659 | 0.010 | 0.99 | 0.1893 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-76 | MH-77 | MH-32 | 485.94 | 484.67 | 484.38 | 150.0 | 12 | 1.06 | 40.000 | 0.010 | 1.04 | 0.2011 |
| CO-1008 | MH-32 | MH-983 | 485.53 | 484.37 | 484.05 | 150.0 | 36 | 1.01 | 112.774 | 0.010 | 0.90 | 0.4378 |
| CO-1009 | MH-983 | MH-984 | 485.20 | 484.05 | 483.60 | 150.0 | 30 | 1.00 | 66.558 | 0.010 | 1.09 | 0.4496 |
| CO-1010 | MH-984 | MH-985 | 484.75 | 483.60 | 483.22 | 150.0 | 30 | 1.00 | 79.370 | 0.010 | 1.03 | 0.4614 |
| CO-1011 | MH-985 | MH-986 | 484.37 | 483.22 | 482.87 | 150.0 | 30 | 1.00 | 86.011 | 0.010 | 1.01 | 0.4733 |
| CO-1012 | MH-986 | MH-987 | 484.02 | 482.87 | 482.71 | 150.0 | 30 | 1.00 | 189.494 | 0.010 | 0.76 | 0.4851 |
| CO-1013 | MH-987 | MH-84 | 483.86 | 482.71 | 482.60 | 150.0 | 28 | 1.00 | 264.104 | 0.010 | 0.68 | 0.4969 |
| CO-211 | MH-213 | MH-212 | 488.01 | 486.86 | 486.76 | 150.0 | 20 | 1.23 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-210 | MH-212 | MH-211 | 488.37 | 486.76 | 486.70 | 150.0 | 21 | 1.60 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-209 | MH-211 | MH-210 | 488.59 | 486.70 | 486.65 | 150.0 | 20 | 1.91 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-208 | MH-210 | MH-88 | 488.89 | 486.65 | 486.60 | 150.0 | 20 | 2.29 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-84 | MH-85 | MH-86 | 490.08 | 488.93 | 488.69 | 150.0 | 30 | 1.00 | 126.603 | 0.010 | 0.29 | 0.0118 |
| CO-85 | MH-86 | MH-87 | 489.84 | 488.69 | 488.31 | 150.0 | 24 | 1.00 | 63.223 | 0.010 | 0.46 | 0.0237 |
| CO-86 | MH-87 | MH-88 | 489.46 | 488.31 | 488.10 | 150.0 | 17 | 1.00 | 79.731 | 0.010 | 0.48 | 0.0355 |
| CO-87 | MH-88 | MH-89 | 489.25 | 486.60 | 486.56 | 150.0 | 18 | 2.61 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-88 | MH-89 | MH-90 | 489.44 | 486.56 | 486.48 | 150.0 | 31 | 2.91 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-89 | MH-90 | MH-91 | 489.72 | 486.48 | 486.40 | 150.0 | 30 | 3.20 | 400.000 | 0.010 | 0.39 | 0.1183 |
| CO-90 | MH-91 | MH-92 | 489.87 | 486.40 | 486.33 | 150.0 | 30 | 3.26 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-91 | MH-92 | MH-93 | 489.69 | 486.33 | 486.25 | 150.0 | 30 | 3.10 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-92 | MH-93 | MH-94 | 489.40 | 486.25 | 486.18 | 150.0 | 29 | 2.89 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-93 | MH-94 | MH-95 | 489.11 | 486.18 | 486.10 | 150.0 | 31 | 2.59 | 400.000 | 0.010 | 0.43 | 0.1656 |
| CO-94 | MH-95 | MH-96 | 488.66 | 486.10 | 486.03 | 150.0 | 30 | 2.22 | 400.000 | 0.010 | 0.44 | 0.1775 |
| CO-95 | MH-96 | MH-97 | 488.21 | 486.03 | 485.95 | 150.0 | 34 | 1.78 | 400.000 | 0.010 | 0.45 | 0.1893 |
| CO-96 | MH-97 | MH-98 | 487.62 | 485.95 | 485.88 | 150.0 | 27 | 1.31 | 400.000 | 0.010 | 0.46 | 0.2011 |
| CO-97 | MH-98 | MH-99 | 487.12 | 485.88 | 485.49 | 150.0 | 30 | 1.05 | 75.963 | 0.010 | 0.84 | 0.2130 |
| CO-98 | MH-99 | MH-100 | 486.64 | 485.49 | 484.86 | 150.0 | 30 | 1.00 | 47.772 | 0.010 | 1.01 | 0.2248 |
| CO-99 | MH-100 | MH-101 | 486.01 | 484.86 | 484.32 | 150.0 | 30 | 1.00 | 56.156 | 0.010 | 0.97 | 0.2366 |
| CO-969 | MH-101 | MH-964 | 485.47 | 484.32 | 483.89 | 150.0 | 30 | 1.00 | 69.075 | 0.010 | 0.91 | 0.2485 |
| CO-971 | MH-964 | MH-965 | 485.04 | 483.89 | 483.47 | 150.0 | 30 | 1.00 | 72.014 | 0.010 | 0.91 | 0.2603 |
| CO-973 | MH-965 | MH-966 | 484.62 | 483.47 | 483.06 | 150.0 | 30 | 1.00 | 73.245 | 0.010 | 0.91 | 0.2721 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-974 | MH-966 | MH-84 | 484.21 | 483.06 | 482.60 | 150.0 | 25 | 1.00 | 54.166 | 0.010 | 1.03 | 0.2840 |
| CO-104 | MH-84 | MH-105 | 483.75 | 482.60 | 482.53 | 150.0 | 30 | 1.33 | 400.000 | 0.010 | 0.64 | 0.7927 |
| CO-105 | MH-105 | MH-106 | 484.34 | 482.53 | 482.45 | 150.0 | 31 | 1.94 | 400.000 | 0.010 | 0.64 | 0.8045 |
| CO-106 | MH-106 | MH-107 | 484.81 | 482.45 | 482.38 | 150.0 | 30 | 2.45 | 400.000 | 0.010 | 0.64 | 0.8164 |
| CO-107 | MH-107 | MH-108 | 485.21 | 482.38 | 482.34 | 150.0 | 16 | 2.60 | 400.000 | 0.010 | 0.64 | 0.8282 |
| CO-119 | MH-108 | MH-120 | 485.00 | 482.32 | 482.28 | 170.0 | 14 | 2.55 | 400.000 | 0.010 | 0.68 | 0.9702 |
| CO-120 | MH-120 | MH-121 | 485.03 | 482.28 | 482.20 | 170.0 | 30 | 2.62 | 400.000 | 0.010 | 0.68 | 0.9820 |
| CO-121 | MH-121 | MH-122 | 485.04 | 482.20 | 482.13 | 170.0 | 28 | 2.67 | 400.000 | 0.010 | 0.68 | 0.9938 |
| CO-122 | MH-122 | MH-123 | 484.97 | 482.13 | 482.06 | 170.0 | 30 | 2.74 | 400.000 | 0.010 | 0.68 | 1.0057 |
| CO-123 | MH-123 | MH-124 | 485.04 | 482.06 | 481.98 | 170.0 | 33 | 2.83 | 400.000 | 0.010 | 0.68 | 1.0175 |
| CO-124 | MH-124 | MH-125 | 484.99 | 481.98 | 481.90 | 170.0 | 28 | 2.85 | 400.000 | 0.010 | 0.68 | 1.0293 |
| CO-125 | MH-125 | MH-126 | 484.94 | 481.90 | 481.84 | 170.0 | 26 | 2.78 | 400.000 | 0.010 | 0.69 | 1.0412 |
| CO-126 | MH-126 | MH-127 | 484.71 | 481.84 | 481.77 | 170.0 | 30 | 2.70 | 400.000 | 0.010 | 0.69 | 1.0530 |
| CO-127 | MH-127 | MH-128 | 484.63 | 481.77 | 481.69 | 170.0 | 31 | 2.59 | 400.000 | 0.010 | 0.69 | 1.0648 |
| CO-128 | MH-128 | MH-129 | 484.34 | 481.69 | 481.65 | 170.0 | 14 | 2.32 | 400.000 | 0.010 | 0.69 | 1.0767 |
| CO-246 | MH-129 | MH-247 | 483.99 | 481.62 | 481.58 | 200.0 | 18 | 1.94 | 400.000 | 0.010 | 0.73 | 1.2660 |
| CO-247 | MH-247 | MH-248 | 483.49 | 481.58 | 481.40 | 200.0 | 27 | 1.42 | 150.559 | 0.010 | 1.06 | 1.2778 |
| CO-248 | MH-248 | MH-249 | 482.72 | 481.40 | 480.47 | 200.0 | 37 | 1.06 | 40.000 | 0.010 | 1.72 | 1.2896 |
| CO-249 | MH-249 | MH-250 | 481.67 | 480.45 | 479.81 | 200.0 | 26 | 1.01 | 40.000 | 0.010 | 1.73 | 1.3015 |
| CO-250 | MH-250 | MH-251 | 481.01 | 479.81 | 479.38 | 200.0 | 21 | 1.00 | 48.246 | 0.010 | 1.62 | 1.3133 |
| CO-251 | MH-251 | MH-252 | 480.58 | 479.38 | 479.03 | 200.0 | 23 | 1.00 | 67.647 | 0.010 | 1.44 | 1.3251 |
| CO-1324 | MH-252 | MH-1264 | 480.23 | 479.03 | 478.95 | 200.0 | 33 | 1.03 | 400.000 | 0.010 | 0.74 | 1.3370 |
| CO-1326 | MH-1242 | MH-1264 | 478.54 | 477.39 | 478.95 | 250.0 | 67 | 0.96 | 42.991 | 0.010 | 1.70 | 1.3488 |
| CO-1302 | MH-1242 | MH-1243 | 478.54 | 477.34 | 476.89 | 250.0 | 36 | 0.95 | 80.780 | 0.010 | 1.36 | 1.3606 |
| CO-1303 | MH-1243 | MH-1244 | 478.09 | 476.89 | 476.44 | 250.0 | 23 | 0.95 | 51.315 | 0.010 | 1.60 | 1.3725 |
| CO-1304 | MH-1244 | MH-1245 | 477.64 | 476.44 | 476.13 | 250.0 | 32 | 0.95 | 106.498 | 0.010 | 1.23 | 1.3843 |
| CO-1305 | MH-1245 | MH-1246 | 477.33 | 476.13 | 475.72 | 250.0 | 22 | 0.95 | 52.963 | 0.010 | 1.59 | 1.3961 |
| CO-1306 | MH-1246 | MH-1247 | 476.92 | 475.72 | 475.39 | 250.0 | 28 | 0.95 | 82.588 | 0.010 | 1.38 | 1.4789 |
| CO-1307 | MH-1247 | MH-1248 | 476.59 | 475.39 | 475.04 | 250.0 | 27 | 0.95 | 76.558 | 0.010 | 1.42 | 1.4908 |
| CO-1308 | MH-1248 | MH-1249 | 476.24 | 475.04 | 474.81 | 250.0 | 30 | 0.95 | 127.796 | 0.010 | 1.18 | 1.5026 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1309 | MH-1249 | MH-1250 | 476.01 | 474.81 | 474.73 | 250.0 | 30 | 1.00 | 400.000 | 0.010 | 0.76 | 1.5144 |
| CO-1310 | MH-1250 | MH-324 | 476.03 | 474.73 | 474.36 | 250.0 | 47 | 1.00 | 125.446 | 0.010 | 1.19 | 1.5263 |
| CO-380 | MH-369 | MH-324 | 475.68 | 472.77 | 472.83 | 250.0 | 27 | 2.57 | 400.000 | 0.010 | 0.85 | 2.2832 |
| CO-640 | MH-369 | MH-645 | 475.68 | 472.72 | 472.64 | 300.0 | 29 | 2.39 | 400.000 | 0.011 | 0.87 | 3.3599 |
| CO-641 | MH-645 | MH-646 | 475.06 | 472.64 | 472.57 | 300.0 | 30 | 2.05 | 400.000 | 0.011 | 0.87 | 3.3717 |
| CO-642 | MH-646 | MH-647 | 474.85 | 472.57 | 472.49 | 300.0 | 30 | 1.91 | 400.000 | 0.011 | 0.87 | 3.3835 |
| CO-645 | MH-647 | MH-648 | 474.63 | 472.49 | 472.43 | 300.0 | 24 | 1.75 | 400.000 | 0.011 | 0.87 | 3.3954 |
| CO-644 | MH-648 | MH-642 | 474.39 | 472.43 | 472.41 | 300.0 | 10 | 1.71 | 400.000 | 0.011 | 0.87 | 3.4072 |
| CO-639 | MH-642 | MH-643 | 474.46 | 472.41 | 472.33 | 300.0 | 28 | 1.55 | 400.000 | 0.011 | 0.87 | 3.4190 |
| CO-646 | MH-643 | MH-649 | 473.97 | 472.33 | 472.01 | 300.0 | 30 | 1.17 | 92.123 | 0.011 | 1.51 | 3.4308 |
| CO-647 | MH-649 | MH-650 | 473.31 | 472.01 | 471.71 | 300.0 | 30 | 1.00 | 100.410 | 0.011 | 1.47 | 3.4427 |
| CO-648 | MH-650 | MH-651 | 473.01 | 471.71 | 471.64 | 300.0 | 30 | 1.02 | 400.000 | 0.011 | 0.87 | 3.4545 |
| CO-649 | MH-651 | MH-652 | 472.98 | 471.64 | 471.34 | 300.0 | 30 | 1.02 | 102.581 | 0.011 | 1.46 | 3.4663 |
| CO-650 | MH-652 | MH-637 | 472.64 | 471.34 | 470.60 | 300.0 | 30 | 1.33 | 40.542 | 0.011 | 2.05 | 3.4782 |
| CO-1079 | MH-1042 | MH-616 | 473.87 | 472.72 | 472.41 | 150.0 | 14 | 1.00 | 44.949 | 0.010 | 0.42 | 0.0118 |
| CO-1076 | MH-1040 | MH-1034 | 472.89 | 471.74 | 471.68 | 150.0 | 12 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1071 | MH-1035 | MH-1036 | 474.66 | 473.51 | 473.16 | 150.0 | 17 | 1.04 | 49.545 | 0.010 | 0.41 | 0.0118 |
| CO-1072 | MH-1036 | MH-1037 | 474.40 | 473.16 | 472.65 | 150.0 | 20 | 1.04 | 40.000 | 0.010 | 0.54 | 0.0237 |
| CO-1073 | MH-1037 | MH-1038 | 473.80 | 472.65 | 472.54 | 150.0 | 18 | 1.01 | 155.116 | 0.010 | 0.38 | 0.0355 |
| CO-1074 | MH-1038 | MH-1039 | 473.71 | 472.54 | 472.12 | 150.0 | 17 | 1.01 | 40.000 | 0.010 | 0.67 | 0.0473 |
| CO-1075 | MH-1039 | MH-1034 | 473.27 | 472.02 | 471.77 | 150.0 | 10 | 1.05 | 40.000 | 0.010 | 0.72 | 0.0592 |
| CO-1068 | MH-1031 | MH-1032 | 472.62 | 471.47 | 471.37 | 150.0 | 21 | 1.14 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1069 | MH-1032 | MH-1033 | 472.79 | 471.37 | 471.32 | 150.0 | 16 | 1.31 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1070 | MH-1033 | MH-1034 | 472.82 | 471.32 | 471.29 | 150.0 | 14 | 1.41 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1077 | MH-1034 | MH-1041 | 472.92 | 471.29 | 471.25 | 150.0 | 15 | 1.59 | 400.000 | 0.010 | 0.39 | 0.1183 |
| CO-1078 | MH-1041 | MH-616 | 473.11 | 471.25 | 471.21 | 150.0 | 16 | 1.95 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-609 | MH-614 | MH-615 | 474.72 | 473.57 | 473.06 | 150.0 | 29 | 1.00 | 56.752 | 0.010 | 0.39 | 0.0118 |
| CO-610 | MH-615 | MH-616 | 474.21 | 473.06 | 472.41 | 150.0 | 29 | 1.00 | 44.239 | 0.010 | 0.52 | 0.0237 |
| CO-611 | MH-616 | MH-617 | 473.56 | 471.21 | 471.13 | 150.0 | 32 | 1.95 | 400.000 | 0.010 | 0.44 | 0.1775 |
| CO-612 | MH-617 | MH-613 | 472.97 | 471.13 | 471.05 | 150.0 | 30 | 1.72 | 400.000 | 0.010 | 0.45 | 0.1893 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-601 | MH-606 | MH-605 | 476.21 | 475.06 | 474.68 | 150.0 | 32 | 1.00 | 85.008 | 0.010 | 0.34 | 0.0118 |
| CO-599 | MH-603 | MH-604 | 476.60 | 475.45 | 475.00 | 150.0 | 18 | 1.00 | 40.149 | 0.010 | 0.44 | 0.0118 |
| CO-600 | MH-604 | MH-605 | 476.15 | 475.00 | 474.68 | 150.0 | 19 | 1.00 | 59.602 | 0.010 | 0.47 | 0.0237 |
| CO-602 | MH-605 | MH-607 | 475.83 | 474.68 | 474.44 | 150.0 | 29 | 1.00 | 118.446 | 0.010 | 0.46 | 0.0473 |
| CO-603 | MH-607 | MH-608 | 475.59 | 474.44 | 473.82 | 150.0 | 30 | 1.00 | 49.337 | 0.010 | 0.67 | 0.0592 |
| CO-604 | MH-608 | MH-609 | 474.97 | 473.82 | 473.78 | 150.0 | 15 | 1.03 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-605 | MH-609 | MH-610 | 475.00 | 473.78 | 473.38 | 150.0 | 20 | 1.03 | 49.643 | 0.010 | 0.74 | 0.0828 |
| CO-606 | MH-610 | MH-611 | 474.53 | 473.38 | 472.79 | 150.0 | 31 | 1.00 | 52.281 | 0.010 | 0.75 | 0.0947 |
| CO-607 | MH-611 | MH-612 | 473.94 | 472.79 | 472.39 | 150.0 | 30 | 1.00 | 74.740 | 0.010 | 0.69 | 0.1065 |
| CO-608 | MH-612 | MH-613 | 473.54 | 472.39 | 471.80 | 150.0 | 35 | 1.00 | 58.772 | 0.010 | 0.77 | 0.1183 |
| CO-613 | MH-613 | MH-618 | 472.95 | 471.05 | 470.98 | 150.0 | 30 | 1.73 | 400.000 | 0.010 | 0.52 | 0.3195 |
| CO-614 | MH-618 | MH-619 | 472.85 | 470.98 | 470.91 | 150.0 | 27 | 1.70 | 400.000 | 0.010 | 0.52 | 0.3313 |
| CO-615 | MH-619 | MH-581 | 472.75 | 470.91 | 470.85 | 150.0 | 24 | 1.66 | 400.000 | 0.010 | 0.53 | 0.3431 |
| CO-1112 | MH-1077 | MH-1078 | 474.73 | 473.58 | 473.48 | 150.0 | 21 | 1.03 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1113 | MH-1078 | MH-1079 | 474.68 | 473.48 | 473.43 | 150.0 | 17 | 1.10 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1114 | MH-1079 | MH-1074 | 474.74 | 473.43 | 473.39 | 150.0 | 18 | 1.44 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1110 | MH-1075 | MH-1076 | 475.69 | 474.54 | 474.32 | 150.0 | 16 | 1.00 | 73.419 | 0.010 | 0.36 | 0.0118 |
| CO-1111 | MH-1076 | MH-1074 | 475.47 | 474.32 | 474.12 | 150.0 | 18 | 1.00 | 91.309 | 0.010 | 0.41 | 0.0237 |
| CO-1106 | MH-1071 | MH-1072 | 475.56 | 474.41 | 474.32 | 150.0 | 19 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1107 | MH-1072 | MH-1070 | 475.56 | 474.32 | 474.26 | 150.0 | 20 | 1.25 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1093 | MH-1058 | MH-1059 | 477.62 | 476.47 | 476.39 | 150.0 | 17 | 1.15 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1094 | MH-1059 | MH-1060 | 477.84 | 476.39 | 476.33 | 150.0 | 22 | 1.46 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1095 | MH-1060 | MH-1057 | 478.10 | 476.33 | 476.29 | 150.0 | 15 | 1.74 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1091 | MH-1055 | MH-1056 | 478.42 | 477.27 | 477.20 | 150.0 | 15 | 1.09 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1092 | MH-1056 | MH-1057 | 478.53 | 477.20 | 477.15 | 150.0 | 19 | 1.10 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1096 | MH-1057 | MH-1061 | 478.31 | 476.29 | 476.26 | 150.0 | 12 | 1.82 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-1097 | MH-1061 | MH-1062 | 478.18 | 476.26 | 476.23 | 150.0 | 13 | 1.68 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-1098 | MH-1062 | MH-1063 | 477.96 | 476.23 | 476.19 | 150.0 | 14 | 1.45 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-1099 | MH-1063 | MH-1064 | 477.65 | 476.19 | 476.16 | 150.0 | 11 | 1.25 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-1100 | MH-1064 | MH-1065 | 477.50 | 476.16 | 476.06 | 150.0 | 17 | 1.09 | 164.923 | 0.010 | 0.54 | 0.1183 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-1101 | MH-1065 | MH-1066 | 477.21 | 476.06 | 475.79 | 150.0 | 18 | 1.00 | 63.882 | 0.010 | 0.77 | 0.1301 |
| CO-1102 | MH-1066 | MH-1067 | 476.94 | 475.79 | 475.60 | 150.0 | 12 | 1.00 | 61.823 | 0.010 | 0.80 | 0.1420 |
| CO-1103 | MH-1067 | MH-1068 | 476.75 | 475.60 | 475.33 | 150.0 | 20 | 1.00 | 73.257 | 0.010 | 0.78 | 0.1538 |
| CO-1104 | MH-1068 | MH-1069 | 476.48 | 475.33 | 474.97 | 150.0 | 20 | 1.00 | 55.516 | 0.010 | 0.87 | 0.1656 |
| CO-1105 | MH-1069 | MH-1070 | 476.12 | 474.97 | 474.67 | 150.0 | 19 | 1.00 | 62.010 | 0.010 | 0.85 | 0.1775 |
| CO-1108 | MH-1070 | MH-1073 | 475.82 | 474.26 | 474.22 | 150.0 | 17 | 1.26 | 400.000 | 0.010 | 0.47 | 0.2130 |
| CO-1109 | MH-1073 | MH-1074 | 475.49 | 474.22 | 474.12 | 150.0 | 14 | 1.06 | 131.329 | 0.010 | 0.70 | 0.2248 |
| CO-1115 | MH-1074 | MH-1080 | 475.27 | 473.39 | 473.35 | 150.0 | 15 | 1.72 | 400.000 | 0.010 | 0.51 | 0.2958 |
| CO-1116 | MH-1080 | MH-588 | 475.22 | 473.35 | 473.31 | 150.0 | 15 | 1.64 | 400.000 | 0.010 | 0.51 | 0.3076 |
| CO-590 | MH-596 | MH-594 | 474.76 | 473.61 | 473.04 | 150.0 | 36 | 1.00 | 63.271 | 0.010 | 0.38 | 0.0118 |
| CO-589 | MH-595 | MH-594 | 473.86 | 472.71 | 472.58 | 150.0 | 25 | 1.23 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-588 | MH-593 | MH-594 | 474.21 | 473.06 | 472.96 | 150.0 | 19 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-591 | MH-594 | MH-588 | 474.19 | 472.58 | 472.50 | 150.0 | 34 | 1.91 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-582 | MH-586 | MH-587 | 475.79 | 474.64 | 474.03 | 150.0 | 31 | 1.00 | 51.039 | 0.010 | 0.41 | 0.0118 |
| CO-583 | MH-587 | MH-588 | 475.18 | 474.03 | 473.86 | 150.0 | 14 | 1.00 | 86.898 | 0.010 | 0.42 | 0.0237 |
| CO-592 | MH-588 | MH-597 | 475.01 | 472.50 | 472.46 | 150.0 | 16 | 2.20 | 400.000 | 0.010 | 0.55 | 0.3904 |
| CO-593 | MH-597 | MH-598 | 474.65 | 472.46 | 472.39 | 150.0 | 29 | 1.79 | 400.000 | 0.010 | 0.55 | 0.4023 |
| CO-594 | MH-598 | MH-599 | 474.06 | 472.39 | 472.31 | 150.0 | 31 | 1.34 | 400.000 | 0.010 | 0.56 | 0.4141 |
| CO-595 | MH-599 | MH-600 | 473.60 | 472.31 | 472.24 | 150.0 | 29 | 1.10 | 400.000 | 0.010 | 0.56 | 0.4259 |
| CO-596 | MH-600 | MH-601 | 473.45 | 472.24 | 472.16 | 150.0 | 31 | 1.22 | 400.000 | 0.010 | 0.56 | 0.4378 |
| CO-597 | MH-601 | MH-602 | 473.69 | 472.16 | 472.11 | 150.0 | 20 | 1.36 | 400.000 | 0.010 | 0.57 | 0.4496 |
| CO-598 | MH-602 | MH-573 | 473.60 | 472.11 | 472.06 | 150.0 | 20 | 1.64 | 400.000 | 0.010 | 0.57 | 0.4614 |
| CO-571 | MH-574 | MH-575 | 474.41 | 473.26 | 473.03 | 150.0 | 30 | 1.00 | 126.346 | 0.010 | 0.29 | 0.0118 |
| CO-572 | MH-575 | MH-576 | 474.18 | 473.03 | 472.77 | 150.0 | 30 | 1.00 | 119.274 | 0.010 | 0.37 | 0.0237 |
| CO-573 | MH-576 | MH-573 | 473.92 | 472.77 | 472.71 | 150.0 | 24 | 1.14 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-567 | MH-570 | MH-571 | 474.53 | 473.38 | 473.23 | 150.0 | 30 | 1.07 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-568 | MH-571 | MH-572 | 474.52 | 473.23 | 472.92 | 150.0 | 29 | 1.07 | 93.332 | 0.010 | 0.41 | 0.0237 |
| CO-569 | MH-572 | MH-569 | 474.07 | 472.92 | 472.59 | 150.0 | 22 | 1.00 | 66.379 | 0.010 | 0.52 | 0.0355 |
| CO-553 | MH-558 | MH-557 | 478.18 | 477.03 | 476.78 | 150.0 | 18 | 1.03 | 71.892 | 0.010 | 0.36 | 0.0118 |
| CO-549 | MH-554 | MH-553 | 478.92 | 477.77 | 477.63 | 150.0 | 15 | 1.00 | 106.678 | 0.010 | 0.31 | 0.0118 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-544 | MH-548 | MH-549 | 480.90 | 479.75 | 479.35 | 150.0 | 18 | 1.00 | 45.641 | 0.010 | 0.42 | 0.0118 |
| CO-545 | MH-549 | MH-550 | 480.50 | 479.35 | 479.11 | 150.0 | 31 | 1.00 | 132.449 | 0.010 | 0.36 | 0.0237 |
| CO-546 | MH-550 | MH-551 | 480.26 | 479.11 | 478.62 | 150.0 | 29 | 1.00 | 59.580 | 0.010 | 0.54 | 0.0355 |
| CO-547 | MH-551 | MH-552 | 479.77 | 478.62 | 477.97 | 150.0 | 34 | 1.00 | 52.151 | 0.010 | 0.61 | 0.0473 |
| CO-548 | MH-552 | MH-553 | 479.12 | 477.97 | 477.63 | 150.0 | 35 | 1.00 | 100.930 | 0.010 | 0.52 | 0.0592 |
| CO-550 | MH-553 | MH-555 | 478.78 | 477.63 | 477.46 | 150.0 | 21 | 1.00 | 127.408 | 0.010 | 0.53 | 0.0828 |
| CO-551 | MH-555 | MH-556 | 478.61 | 477.46 | 477.10 | 150.0 | 19 | 1.00 | 51.521 | 0.010 | 0.76 | 0.0947 |
| CO-552 | MH-556 | MH-557 | 478.25 | 477.10 | 476.78 | 150.0 | 21 | 1.03 | 68.118 | 0.010 | 0.71 | 0.1065 |
| CO-554 | MH-557 | MH-559 | 477.99 | 476.78 | 476.27 | 150.0 | 20 | 1.03 | 40.000 | 0.010 | 0.91 | 0.1301 |
| CO-555 | MH-559 | MH-560 | 477.42 | 476.26 | 475.62 | 150.0 | 26 | 1.00 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-556 | MH-560 | MH-547 | 476.77 | 475.62 | 475.53 | 150.0 | 38 | 1.03 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-538 | MH-542 | MH-541 | 479.20 | 478.05 | 477.89 | 150.0 | 18 | 1.00 | 114.178 | 0.010 | 0.31 | 0.0118 |
| CO-531 | MH-534 | MH-535 | 481.58 | 480.37 | 480.01 | 150.0 | 15 | 1.03 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-532 | MH-535 | MH-536 | 481.16 | 480.01 | 479.72 | 150.0 | 30 | 1.00 | 106.448 | 0.010 | 0.39 | 0.0237 |
| CO-533 | MH-536 | MH-537 | 480.87 | 479.72 | 479.27 | 150.0 | 30 | 1.00 | 66.202 | 0.010 | 0.52 | 0.0355 |
| CO-534 | MH-537 | MH-538 | 480.42 | 479.27 | 478.64 | 150.0 | 31 | 1.00 | 48.969 | 0.010 | 0.62 | 0.0473 |
| CO-535 | MH-538 | MH-539 | 479.79 | 478.64 | 478.33 | 150.0 | 14 | 1.00 | 44.915 | 0.010 | 0.69 | 0.0592 |
| CO-536 | MH-539 | MH-540 | 479.48 | 478.33 | 478.09 | 150.0 | 15 | 1.00 | 61.894 | 0.010 | 0.65 | 0.0710 |
| CO-537 | MH-540 | MH-541 | 479.24 | 478.09 | 477.89 | 150.0 | 11 | 1.00 | 53.045 | 0.010 | 0.72 | 0.0828 |
| CO-539 | MH-541 | MH-543 | 479.04 | 477.89 | 477.64 | 150.0 | 20 | 1.00 | 77.396 | 0.010 | 0.68 | 0.1065 |
| CO-540 | MH-543 | MH-544 | 478.79 | 477.64 | 477.18 | 150.0 | 29 | 1.00 | 64.333 | 0.010 | 0.75 | 0.1183 |
| CO-541 | MH-544 | MH-545 | 478.33 | 477.18 | 476.84 | 150.0 | 21 | 1.10 | 61.951 | 0.010 | 0.78 | 0.1301 |
| CO-542 | MH-545 | MH-546 | 478.20 | 476.84 | 476.07 | 150.0 | 31 | 1.10 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-543 | MH-546 | MH-547 | 477.22 | 476.07 | 475.59 | 150.0 | 20 | 1.00 | 42.342 | 0.010 | 0.94 | 0.1538 |
| CO-558 | MH-547 | MH-562 | 476.74 | 475.53 | 475.20 | 150.0 | 20 | 1.03 | 61.020 | 0.010 | 1.02 | 0.3195 |
| CO-559 | MH-562 | MH-563 | 476.35 | 475.20 | 474.77 | 150.0 | 33 | 1.00 | 76.916 | 0.010 | 0.95 | 0.3313 |
| CO-560 | MH-563 | MH-564 | 475.92 | 474.77 | 474.42 | 150.0 | 33 | 1.00 | 92.945 | 0.010 | 0.90 | 0.3431 |
| CO-561 | MH-564 | MH-533 | 475.57 | 474.42 | 474.00 | 150.0 | 32 | 1.00 | 76.573 | 0.010 | 0.97 | 0.3549 |
| CO-616 | MH-620 | MH-621 | 479.09 | 477.94 | 477.79 | 150.0 | 30 | 1.14 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-617 | MH-621 | MH-622 | 479.21 | 477.79 | 477.71 | 150.0 | 30 | 1.24 | 374.973 | 0.010 | 0.25 | 0.0237 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-618 | MH-622 | MH-623 | 479.06 | 477.71 | 477.46 | 150.0 | 30 | 1.10 | 126.247 | 0.010 | 0.41 | 0.0355 |
| CO-619 | MH-623 | MH-624 | 478.61 | 477.46 | 476.93 | 150.0 | 29 | 1.00 | 54.680 | 0.010 | 0.60 | 0.0473 |
| CO-620 | MH-624 | MH-625 | 478.08 | 476.93 | 476.20 | 150.0 | 30 | 1.08 | 41.133 | 0.010 | 0.71 | 0.0592 |
| CO-621 | MH-625 | MH-626 | 477.51 | 476.20 | 475.46 | 150.0 | 30 | 1.08 | 40.000 | 0.010 | 0.76 | 0.0710 |
| CO-622 | MH-626 | MH-627 | 476.61 | 475.46 | 474.71 | 150.0 | 35 | 1.00 | 47.038 | 0.010 | 0.75 | 0.0828 |
| CO-623 | MH-627 | MH-628 | 475.86 | 474.71 | 474.39 | 150.0 | 32 | 1.00 | 99.361 | 0.010 | 0.60 | 0.0947 |
| CO-624 | MH-628 | MH-629 | 475.54 | 474.39 | 473.85 | 150.0 | 30 | 1.00 | 54.933 | 0.010 | 0.77 | 0.1065 |
| CO-625 | MH-629 | MH-630 | 475.00 | 473.85 | 473.74 | 150.0 | 30 | 1.00 | 260.362 | 0.010 | 0.46 | 0.1183 |
| CO-626 | MH-630 | MH-631 | 474.89 | 473.74 | 473.64 | 150.0 | 27 | 1.00 | 275.501 | 0.010 | 0.46 | 0.1301 |
| CO-627 | MH-631 | MH-632 | 474.79 | 473.64 | 473.59 | 150.0 | 24 | 1.07 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-628 | MH-632 | MH-514 | 474.88 | 473.59 | 473.53 | 150.0 | 20 | 1.14 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-520 | MH-524 | MH-523 | 479.30 | 478.15 | 478.07 | 150.0 | 16 | 1.01 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-515 | MH-519 | MH-518 | 480.89 | 479.74 | 479.64 | 150.0 | 20 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1040 | MH-1006 | MH-1007 | 483.16 | 482.01 | 481.69 | 150.0 | 15 | 1.00 | 45.854 | 0.010 | 0.42 | 0.0118 |
| CO-1041 | MH-1007 | MH-1008 | 482.84 | 481.69 | 481.39 | 150.0 | 18 | 1.00 | 61.300 | 0.010 | 0.47 | 0.0237 |
| CO-1042 | MH-1008 | MH-1009 | 482.54 | 481.39 | 481.19 | 150.0 | 23 | 1.00 | 112.068 | 0.010 | 0.43 | 0.0355 |
| CO-1043 | MH-1009 | MH-1010 | 482.34 | 481.19 | 480.82 | 150.0 | 24 | 1.03 | 63.034 | 0.010 | 0.57 | 0.0473 |
| CO-1044 | MH-1010 | MH-516 | 482.03 | 480.82 | 480.52 | 150.0 | 12 | 1.03 | 40.000 | 0.010 | 0.72 | 0.0592 |
| CO-512 | MH-515 | MH-516 | 481.77 | 480.62 | 480.52 | 150.0 | 14 | 1.00 | 135.207 | 0.010 | 0.29 | 0.0118 |
| CO-513 | MH-516 | MH-517 | 481.67 | 480.52 | 480.01 | 150.0 | 31 | 1.00 | 60.659 | 0.010 | 0.69 | 0.0828 |
| CO-514 | MH-517 | MH-518 | 481.16 | 480.01 | 479.64 | 150.0 | 19 | 1.04 | 52.207 | 0.010 | 0.75 | 0.0947 |
| CO-516 | MH-518 | MH-520 | 480.88 | 479.64 | 479.54 | 150.0 | 11 | 1.04 | 106.019 | 0.010 | 0.63 | 0.1183 |
| CO-517 | MH-520 | MH-521 | 480.69 | 479.54 | 478.98 | 150.0 | 29 | 1.00 | 51.803 | 0.010 | 0.83 | 0.1301 |
| CO-518 | MH-521 | MH-522 | 480.13 | 478.98 | 478.33 | 150.0 | 31 | 1.00 | 47.709 | 0.010 | 0.88 | 0.1420 |
| CO-519 | MH-522 | MH-523 | 479.48 | 478.33 | 478.07 | 150.0 | 13 | 1.01 | 49.353 | 0.010 | 0.89 | 0.1538 |
| CO-521 | MH-523 | MH-525 | 479.23 | 478.07 | 477.53 | 150.0 | 35 | 1.01 | 65.920 | 0.010 | 0.84 | 0.1775 |
| CO-522 | MH-525 | MH-526 | 478.68 | 477.53 | 476.71 | 150.0 | 35 | 1.19 | 42.338 | 0.010 | 1.00 | 0.1893 |
| CO-523 | MH-526 | MH-527 | 478.23 | 476.71 | 475.96 | 150.0 | 30 | 1.19 | 40.000 | 0.010 | 1.04 | 0.2011 |
| CO-524 | MH-527 | MH-528 | 477.11 | 475.96 | 475.44 | 150.0 | 30 | 1.00 | 57.756 | 0.010 | 0.93 | 0.2130 |
| CO-525 | MH-528 | MH-529 | 476.59 | 475.44 | 474.90 | 150.0 | 31 | 1.00 | 57.861 | 0.010 | 0.94 | 0.2248 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-526 | MH-529 | MH-530 | 476.05 | 474.90 | 474.27 | 150.0 | 29 | 1.00 | 45.885 | 0.010 | 1.04 | 0.2366 |
| CO-527 | MH-530 | MH-531 | 475.42 | 474.27 | 473.96 | 150.0 | 16 | 1.00 | 50.654 | 0.010 | 1.02 | 0.2485 |
| CO-528 | MH-531 | MH-532 | 475.11 | 473.96 | 473.89 | 150.0 | 13 | 1.00 | 183.797 | 0.010 | 0.65 | 0.2603 |
| CO-529 | MH-532 | MH-514 | 475.04 | 473.89 | 473.53 | 150.0 | 25 | 1.06 | 70.880 | 0.010 | 0.92 | 0.2721 |
| CO-629 | MH-633 | MH-634 | 475.83 | 474.68 | 474.17 | 150.0 | 22 | 1.00 | 42.473 | 0.010 | 0.43 | 0.0118 |
| CO-630 | MH-634 | MH-635 | 475.32 | 474.17 | 474.04 | 150.0 | 30 | 1.00 | 214.432 | 0.010 | 0.30 | 0.0237 |
| CO-631 | MH-635 | MH-442 | 475.19 | 474.04 | 473.93 | 150.0 | 44 | 1.11 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1224 | MH-1175 | MH-1176 | 476.90 | 475.75 | 475.42 | 150.0 | 14 | 1.00 | 43.577 | 0.010 | 0.42 | 0.0118 |
| CO-1225 | MH-1176 | MH-1177 | 476.57 | 475.42 | 475.28 | 150.0 | 18 | 1.00 | 126.671 | 0.010 | 0.37 | 0.0237 |
| CO-1226 | MH-1177 | MH-1178 | 476.43 | 475.28 | 475.05 | 150.0 | 21 | 1.00 | 93.618 | 0.010 | 0.46 | 0.0355 |
| CO-1227 | MH-1178 | MH-1179 | 476.20 | 475.05 | 474.70 | 150.0 | 25 | 1.00 | 71.169 | 0.010 | 0.55 | 0.0473 |
| CO-1228 | MH-1179 | MH-1180 | 475.85 | 474.70 | 474.62 | 150.0 | 23 | 1.00 | 293.986 | 0.010 | 0.36 | 0.0592 |
| CO-1229 | MH-1180 | MH-1181 | 475.77 | 474.62 | 474.57 | 150.0 | 20 | 1.02 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-1230 | MH-1181 | MH-1182 | 475.77 | 474.57 | 474.51 | 150.0 | 25 | 1.04 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-1231 | MH-1182 | MH-508 | 475.69 | 474.51 | 474.36 | 150.0 | 42 | 1.02 | 281.168 | 0.010 | 0.42 | 0.0947 |
| CO-1232 | MH-1183 | MH-504 | 476.49 | 475.34 | 475.22 | 150.0 | 24 | 1.21 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-494 | MH-499 | MH-498 | 479.24 | 478.09 | 477.99 | 150.0 | 19 | 1.08 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-483 | MH-487 | MH-488 | 484.03 | 482.88 | 482.77 | 150.0 | 9 | 1.00 | 87.835 | 0.010 | 0.34 | 0.0118 |
| CO-484 | MH-488 | MH-489 | 483.92 | 482.77 | 482.51 | 150.0 | 30 | 1.00 | 118.506 | 0.010 | 0.37 | 0.0237 |
| CO-485 | MH-489 | MH-490 | 483.66 | 482.51 | 482.10 | 150.0 | 30 | 1.00 | 72.202 | 0.010 | 0.50 | 0.0355 |
| CO-486 | MH-490 | MH-491 | 483.25 | 482.10 | 481.66 | 150.0 | 31 | 1.00 | 71.450 | 0.010 | 0.55 | 0.0473 |
| CO-487 | MH-491 | MH-492 | 482.81 | 481.66 | 481.19 | 150.0 | 29 | 1.00 | 60.485 | 0.010 | 0.62 | 0.0592 |
| CO-488 | MH-492 | MH-493 | 482.34 | 481.19 | 480.81 | 150.0 | 30 | 1.00 | 79.825 | 0.010 | 0.60 | 0.0710 |
| CO-489 | MH-493 | MH-494 | 481.96 | 480.81 | 480.12 | 150.0 | 35 | 1.00 | 51.053 | 0.010 | 0.73 | 0.0828 |
| CO-490 | MH-494 | MH-495 | 481.27 | 480.12 | 479.50 | 150.0 | 30 | 1.00 | 49.278 | 0.010 | 0.77 | 0.0947 |
| CO-491 | MH-495 | MH-496 | 480.65 | 479.50 | 478.96 | 150.0 | 30 | 1.00 | 54.587 | 0.010 | 0.77 | 0.1065 |
| CO-492 | MH-496 | MH-497 | 480.11 | 478.96 | 478.61 | 150.0 | 18 | 1.00 | 51.763 | 0.010 | 0.81 | 0.1183 |
| CO-493 | MH-497 | MH-498 | 479.76 | 478.61 | 478.16 | 150.0 | 23 | 1.00 | 50.579 | 0.010 | 0.84 | 0.1301 |
| CO-495 | MH-498 | MH-500 | 479.31 | 477.99 | 477.49 | 150.0 | 30 | 1.08 | 60.628 | 0.010 | 0.83 | 0.1538 |
| CO-496 | MH-500 | MH-501 | 478.64 | 477.49 | 477.06 | 150.0 | 30 | 1.00 | 68.739 | 0.010 | 0.81 | 0.1656 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-497 | MH-501 | MH-475 | 478.21 | 477.06 | 476.46 | 150.0 | 29 | 1.24 | 49.131 | 0.010 | 0.93 | 0.1775 |
| CO-472 | MH-476 | MH-477 | 484.00 | 482.85 | 482.37 | 150.0 | 29 | 1.00 | 61.565 | 0.010 | 0.38 | 0.0118 |
| CO-473 | MH-477 | MH-478 | 483.52 | 482.37 | 481.97 | 150.0 | 30 | 1.00 | 74.585 | 0.010 | 0.44 | 0.0237 |
| CO-474 | MH-478 | MH-479 | 483.12 | 481.97 | 481.59 | 150.0 | 31 | 1.00 | 81.800 | 0.010 | 0.48 | 0.0355 |
| CO-475 | MH-479 | MH-480 | 482.74 | 481.59 | 480.84 | 150.0 | 35 | 1.05 | 46.690 | 0.010 | 0.64 | 0.0473 |
| CO-476 | MH-480 | MH-481 | 482.10 | 480.84 | 480.10 | 150.0 | 30 | 1.05 | 40.000 | 0.010 | 0.72 | 0.0592 |
| CO-477 | MH-481 | MH-482 | 481.25 | 480.10 | 479.53 | 150.0 | 28 | 1.00 | 48.967 | 0.010 | 0.71 | 0.0710 |
| CO-478 | MH-482 | MH-483 | 480.68 | 479.53 | 478.97 | 150.0 | 33 | 1.00 | 58.706 | 0.010 | 0.70 | 0.0828 |
| CO-479 | MH-483 | MH-484 | 480.12 | 478.97 | 478.46 | 150.0 | 30 | 1.00 | 58.324 | 0.010 | 0.73 | 0.0947 |
| CO-480 | MH-484 | MH-485 | 479.61 | 478.46 | 478.05 | 150.0 | 19 | 1.00 | 45.193 | 0.010 | 0.83 | 0.1065 |
| CO-481 | MH-485 | MH-486 | 479.20 | 478.05 | 477.48 | 150.0 | 30 | 1.00 | 52.822 | 0.010 | 0.80 | 0.1183 |
| CO-482 | MH-486 | MH-475 | 478.63 | 477.48 | 476.94 | 150.0 | 30 | 1.00 | 55.046 | 0.010 | 0.82 | 0.1301 |
| CO-464 | MH-468 | MH-469 | 481.78 | 480.63 | 480.16 | 150.0 | 22 | 1.00 | 46.370 | 0.010 | 0.42 | 0.0118 |
| CO-465 | MH-469 | MH-470 | 481.31 | 480.16 | 479.47 | 150.0 | 30 | 1.00 | 43.283 | 0.010 | 0.53 | 0.0237 |
| CO-466 | MH-470 | MH-471 | 480.62 | 479.47 | 478.85 | 150.0 | 30 | 1.00 | 48.167 | 0.010 | 0.58 | 0.0355 |
| CO-467 | MH-471 | MH-472 | 480.00 | 478.85 | 478.34 | 150.0 | 29 | 1.00 | 56.994 | 0.010 | 0.60 | 0.0473 |
| CO-468 | MH-472 | MH-473 | 479.49 | 478.34 | 477.78 | 150.0 | 30 | 1.00 | 54.263 | 0.010 | 0.65 | 0.0592 |
| CO-469 | MH-473 | MH-474 | 478.93 | 477.78 | 477.25 | 150.0 | 30 | 1.00 | 56.831 | 0.010 | 0.67 | 0.0710 |
| CO-470 | MH-474 | MH-467 | 478.40 | 477.25 | 476.53 | 150.0 | 30 | 1.10 | 41.619 | 0.010 | 0.79 | 0.0828 |
| CO-446 | MH-448 | MH-449 | 481.06 | 479.90 | 479.12 | 150.0 | 31 | 1.00 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-447 | MH-449 | MH-450 | 480.27 | 479.12 | 478.41 | 150.0 | 30 | 1.00 | 41.576 | 0.010 | 0.54 | 0.0237 |
| CO-448 | MH-450 | MH-451 | 479.56 | 478.41 | 477.78 | 150.0 | 35 | 1.00 | 54.872 | 0.010 | 0.55 | 0.0355 |
| CO-449 | MH-451 | MH-452 | 478.93 | 477.78 | 477.50 | 150.0 | 27 | 1.00 | 99.966 | 0.010 | 0.49 | 0.0473 |
| CO-450 | MH-452 | MH-453 | 478.65 | 477.50 | 477.24 | 150.0 | 28 | 1.00 | 104.440 | 0.010 | 0.52 | 0.0592 |
| CO-1029 | MH-453 | MH-464 | 478.39 | 477.24 | 477.17 | 150.0 | 27 | 1.18 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-451 | MH-454 | MH-455 | 484.78 | 483.63 | 483.17 | 150.0 | 22 | 1.00 | 48.227 | 0.010 | 0.41 | 0.0118 |
| CO-452 | MH-455 | MH-456 | 484.32 | 483.17 | 482.64 | 150.0 | 30 | 1.00 | 57.109 | 0.010 | 0.48 | 0.0237 |
| CO-453 | MH-456 | MH-457 | 483.79 | 482.64 | 482.13 | 150.0 | 30 | 1.02 | 58.363 | 0.010 | 0.54 | 0.0355 |
| CO-1030 | MH-457 | MH-999 | 483.32 | 482.13 | 481.41 | 150.0 | 29 | 1.02 | 40.000 | 0.010 | 0.67 | 0.0473 |
| CO-1031 | MH-999 | MH-458 | 482.56 | 481.41 | 480.76 | 150.0 | 30 | 1.00 | 46.522 | 0.010 | 0.68 | 0.0592 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-455 | MH-458 | MH-459 | 481.91 | 480.76 | 480.32 | 150.0 | 27 | 1.00 | 59.691 | 0.010 | 0.66 | 0.0710 |
| CO-456 | MH-459 | MH-460 | 481.47 | 480.32 | 479.61 | 150.0 | 33 | 1.00 | 46.030 | 0.010 | 0.76 | 0.0828 |
| CO-457 | MH-460 | MH-461 | 480.76 | 479.61 | 478.96 | 150.0 | 29 | 1.00 | 44.907 | 0.010 | 0.80 | 0.0947 |
| CO-458 | MH-461 | MH-462 | 480.11 | 478.96 | 478.41 | 150.0 | 32 | 1.00 | 57.347 | 0.010 | 0.76 | 0.1065 |
| CO-459 | MH-462 | MH-463 | 479.56 | 478.41 | 478.20 | 150.0 | 29 | 1.00 | 136.222 | 0.010 | 0.58 | 0.1183 |
| CO-460 | MH-463 | MH-464 | 479.35 | 478.20 | 477.53 | 150.0 | 29 | 1.00 | 44.169 | 0.010 | 0.88 | 0.1301 |
| CO-461 | MH-464 | MH-465 | 478.68 | 477.17 | 477.09 | 150.0 | 30 | 1.19 | 400.000 | 0.010 | 0.47 | 0.2130 |
| CO-462 | MH-465 | MH-466 | 478.25 | 477.09 | 476.58 | 150.0 | 30 | 1.00 | 58.564 | 0.010 | 0.94 | 0.2248 |
| CO-463 | MH-466 | MH-467 | 477.73 | 476.58 | 476.53 | 150.0 | 20 | 1.10 | 400.000 | 0.010 | 0.48 | 0.2366 |
| CO-471 | MH-467 | MH-475 | 477.88 | 476.53 | 476.46 | 150.0 | 25 | 1.34 | 400.000 | 0.010 | 0.52 | 0.3313 |
| CO-498 | MH-475 | MH-502 | 478.09 | 476.46 | 476.42 | 150.0 | 19 | 1.33 | 400.000 | 0.010 | 0.62 | 0.6507 |
| CO-499 | MH-502 | MH-503 | 477.76 | 476.42 | 475.94 | 150.0 | 30 | 1.09 | 63.525 | 0.010 | 1.24 | 0.6626 |
| CO-500 | MH-503 | MH-504 | 477.09 | 475.94 | 475.64 | 150.0 | 20 | 1.00 | 65.359 | 0.010 | 1.23 | 0.6744 |
| CO-501 | MH-504 | MH-505 | 476.79 | 475.22 | 475.17 | 150.0 | 20 | 1.29 | 400.000 | 0.010 | 0.62 | 0.6981 |
| CO-502 | MH-505 | MH-506 | 476.49 | 475.17 | 475.12 | 150.0 | 21 | 1.11 | 400.000 | 0.010 | 0.63 | 0.7099 |
| CO-503 | MH-506 | MH-507 | 476.33 | 475.12 | 474.73 | 150.0 | 30 | 1.03 | 76.940 | 0.010 | 1.18 | 0.7217 |
| CO-504 | MH-507 | MH-508 | 475.88 | 474.73 | 474.36 | 150.0 | 30 | 1.00 | 83.078 | 0.010 | 1.15 | 0.7336 |
| CO-505 | MH-508 | MH-442 | 475.51 | 474.36 | 473.93 | 150.0 | 18 | 1.11 | 41.400 | 0.010 | 1.55 | 0.8400 |
| CO-417 | MH-420 | MH-419 | 483.87 | 482.72 | 482.55 | 150.0 | 24 | 1.00 | 138.604 | 0.010 | 0.29 | 0.0118 |
| CO-416 | MH-418 | MH-419 | 484.56 | 483.18 | 482.56 | 150.0 | 25 | 1.11 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-418 | MH-419 | MH-421 | 483.71 | 482.55 | 482.14 | 150.0 | 16 | 1.00 | 40.000 | 0.010 | 0.62 | 0.0355 |
| CO-419 | MH-421 | MH-422 | 483.29 | 482.11 | 481.34 | 150.0 | 31 | 1.01 | 40.000 | 0.010 | 0.67 | 0.0473 |
| CO-421 | MH-422 | MH-424 | 482.49 | 481.34 | 480.80 | 150.0 | 29 | 1.00 | 54.125 | 0.010 | 0.65 | 0.0592 |
| CO-422 | MH-424 | MH-425 | 481.95 | 480.80 | 480.34 | 150.0 | 30 | 1.00 | 65.170 | 0.010 | 0.64 | 0.0710 |
| CO-423 | MH-425 | MH-426 | 481.49 | 480.34 | 479.77 | 150.0 | 30 | 1.00 | 52.061 | 0.010 | 0.73 | 0.0828 |
| CO-424 | MH-426 | MH-427 | 480.92 | 479.77 | 479.12 | 150.0 | 30 | 1.00 | 46.363 | 0.010 | 0.79 | 0.0947 |
| CO-425 | MH-427 | MH-428 | 480.27 | 479.12 | 478.49 | 150.0 | 30 | 1.00 | 47.424 | 0.010 | 0.81 | 0.1065 |
| CO-426 | MH-428 | MH-429 | 479.64 | 478.49 | 477.88 | 150.0 | 30 | 1.00 | 50.054 | 0.010 | 0.82 | 0.1183 |
| CO-427 | MH-429 | MH-430 | 479.03 | 477.88 | 477.50 | 150.0 | 30 | 1.00 | 77.756 | 0.010 | 0.72 | 0.1301 |
| CO-428 | MH-430 | MH-431 | 478.65 | 477.50 | 477.17 | 150.0 | 30 | 1.00 | 91.132 | 0.010 | 0.70 | 0.1420 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-430 | MH-431 | MH-417 | 478.32 | 477.17 | 476.42 | 150.0 | 37 | 1.00 | 49.395 | 0.010 | 0.89 | 0.1538 |
| CO-381 | MH-381 | MH-382 | 484.88 | 483.73 | 483.35 | 150.0 | 25 | 1.00 | 64.901 | 0.010 | 0.37 | 0.0118 |
| CO-382 | MH-382 | MH-383 | 484.50 | 483.35 | 482.63 | 150.0 | 29 | 1.00 | 40.470 | 0.010 | 0.54 | 0.0237 |
| CO-383 | MH-383 | MH-384 | 483.78 | 482.63 | 481.98 | 150.0 | 30 | 1.00 | 47.078 | 0.010 | 0.59 | 0.0355 |
| CO-386 | MH-384 | MH-387 | 483.13 | 481.98 | 481.33 | 150.0 | 29 | 1.00 | 44.501 | 0.010 | 0.65 | 0.0473 |
| CO-387 | MH-387 | MH-388 | 482.48 | 481.33 | 480.78 | 150.0 | 31 | 1.00 | 56.226 | 0.010 | 0.64 | 0.0592 |
| CO-388 | MH-388 | MH-389 | 481.93 | 480.78 | 480.42 | 150.0 | 30 | 1.00 | 83.909 | 0.010 | 0.59 | 0.0710 |
| CO-389 | MH-389 | MH-390 | 481.57 | 480.42 | 479.88 | 150.0 | 30 | 1.00 | 54.517 | 0.010 | 0.72 | 0.0828 |
| CO-390 | MH-390 | MH-391 | 481.03 | 479.88 | 479.24 | 150.0 | 30 | 1.00 | 46.430 | 0.010 | 0.79 | 0.0947 |
| CO-391 | MH-391 | MH-392 | 480.39 | 479.24 | 478.92 | 150.0 | 24 | 1.00 | 76.388 | 0.010 | 0.68 | 0.1065 |
| CO-392 | MH-392 | MH-393 | 480.07 | 478.92 | 478.56 | 150.0 | 20 | 1.00 | 54.794 | 0.010 | 0.79 | 0.1183 |
| CO-393 | MH-393 | MH-394 | 479.71 | 478.56 | 477.86 | 150.0 | 30 | 1.00 | 43.150 | 0.010 | 0.89 | 0.1301 |
| CO-394 | MH-394 | MH-395 | 479.01 | 477.86 | 477.15 | 150.0 | 41 | 1.00 | 57.903 | 0.010 | 0.82 | 0.1420 |
| CO-395 | MH-395 | MH-396 | 478.30 | 477.15 | 477.09 | 150.0 | 22 | 1.09 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-408 | MH-411 | MH-412 | 481.27 | 480.12 | 479.49 | 150.0 | 30 | 1.00 | 48.694 | 0.010 | 0.41 | 0.0118 |
| CO-409 | MH-412 | MH-410 | 480.64 | 479.49 | 478.90 | 150.0 | 36 | 1.00 | 59.852 | 0.010 | 0.47 | 0.0237 |
| CO-399 | MH-402 | MH-401 | 483.02 | 481.87 | 481.54 | 150.0 | 26 | 1.00 | 79.209 | 0.010 | 0.35 | 0.0118 |
| CO-396 | MH-398 | MH-399 | 484.81 | 483.57 | 482.96 | 150.0 | 24 | 1.05 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-397 | MH-399 | MH-400 | 484.11 | 482.95 | 482.22 | 150.0 | 29 | 1.00 | 40.000 | 0.010 | 0.54 | 0.0237 |
| CO-398 | MH-400 | MH-401 | 483.37 | 482.22 | 481.54 | 150.0 | 30 | 1.00 | 43.930 | 0.010 | 0.60 | 0.0355 |
| CO-420 | MH-423 | MH-401 | 482.46 | 481.31 | 481.19 | 150.0 | 24 | 1.17 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-400 | MH-401 | MH-403 | 482.69 | 481.19 | 481.11 | 150.0 | 30 | 1.17 | 361.285 | 0.010 | 0.35 | 0.0710 |
| CO-401 | MH-403 | MH-404 | 482.26 | 481.11 | 480.70 | 150.0 | 30 | 1.00 | 73.944 | 0.010 | 0.64 | 0.0828 |
| CO-402 | MH-404 | MH-405 | 481.85 | 480.70 | 480.43 | 150.0 | 22 | 1.00 | 79.884 | 0.010 | 0.65 | 0.0947 |
| CO-403 | MH-405 | MH-406 | 481.58 | 480.43 | 480.29 | 150.0 | 12 | 1.00 | 84.153 | 0.010 | 0.66 | 0.1065 |
| CO-404 | MH-406 | MH-407 | 481.44 | 480.29 | 479.58 | 150.0 | 30 | 1.00 | 43.336 | 0.010 | 0.86 | 0.1183 |
| CO-405 | MH-407 | MH-408 | 480.73 | 479.58 | 478.91 | 150.0 | 29 | 1.00 | 42.762 | 0.010 | 0.89 | 0.1301 |
| CO-406 | MH-408 | MH-409 | 480.06 | 478.91 | 478.53 | 150.0 | 35 | 1.00 | 91.022 | 0.010 | 0.70 | 0.1420 |
| CO-407 | MH-409 | MH-410 | 479.68 | 478.53 | 478.47 | 150.0 | 27 | 1.22 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-410 | MH-410 | MH-413 | 480.05 | 478.47 | 478.25 | 150.0 | 24 | 1.22 | 109.591 | 0.010 | 0.72 | 0.1893 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-411 | MH-413 | MH-414 | 479.40 | 478.25 | 477.76 | 150.0 | 30 | 1.00 | 61.590 | 0.010 | 0.89 | 0.2011 |
| CO-412 | MH-414 | MH-415 | 478.91 | 477.76 | 477.52 | 150.0 | 19 | 1.00 | 79.308 | 0.010 | 0.83 | 0.2130 |
| CO-413 | MH-415 | MH-396 | 478.67 | 477.52 | 477.09 | 150.0 | 19 | 1.09 | 44.614 | 0.010 | 1.03 | 0.2248 |
| CO-414 | MH-396 | MH-416 | 478.42 | 477.09 | 477.05 | 150.0 | 15 | 1.12 | 400.000 | 0.010 | 0.55 | 0.3904 |
| CO-415 | MH-416 | MH-417 | 478.26 | 477.05 | 476.42 | 150.0 | 35 | 1.03 | 55.187 | 0.010 | 1.13 | 0.4023 |
| CO-431 | MH-417 | MH-433 | 477.57 | 476.42 | 475.86 | 150.0 | 23 | 1.00 | 41.764 | 0.010 | 1.38 | 0.5679 |
| CO-432 | MH-433 | MH-434 | 477.01 | 475.86 | 475.42 | 150.0 | 31 | 1.00 | 71.011 | 0.010 | 1.15 | 0.5797 |
| CO-433 | MH-434 | MH-435 | 476.57 | 475.42 | 474.99 | 150.0 | 31 | 1.00 | 70.979 | 0.010 | 1.15 | 0.5916 |
| CO-434 | MH-435 | MH-436 | 476.14 | 474.99 | 474.84 | 150.0 | 30 | 1.00 | 201.877 | 0.010 | 0.79 | 0.6034 |
| CO-435 | MH-436 | MH-437 | 475.99 | 474.84 | 474.70 | 150.0 | 30 | 1.00 | 205.822 | 0.010 | 0.79 | 0.6152 |
| CO-436 | MH-437 | MH-438 | 475.85 | 474.70 | 474.62 | 150.0 | 31 | 1.12 | 400.000 | 0.010 | 0.61 | 0.6271 |
| CO-437 | MH-438 | MH-439 | 476.02 | 474.62 | 474.25 | 150.0 | 30 | 1.37 | 81.128 | 0.010 | 1.12 | 0.6389 |
| CO-438 | MH-439 | MH-440 | 475.90 | 474.10 | 474.01 | 350.0 | 18 | 1.49 | 200.000 | 0.011 | 1.30 | 6.6989 |
| CO-439 | MH-440 | MH-441 | 475.90 | 473.96 | 473.88 | 350.0 | 31 | 1.50 | 400.000 | 0.011 | 1.01 | 6.7088 |
| CO-440 | MH-441 | MH-442 | 475.64 | 473.88 | 473.73 | 350.0 | 35 | 1.31 | 222.098 | 0.011 | 1.29 | 6.7187 |
| CO-510 | MH-442 | MH-513 | 475.29 | 473.73 | 473.65 | 350.0 | 26 | 1.11 | 360.990 | 0.011 | 1.07 | 7.4619 |
| CO-1032 | MH-509 | MH-1000 | 476.51 | 475.36 | 475.06 | 150.0 | 27 | 1.00 | 89.328 | 0.010 | 0.33 | 0.0118 |
| CO-1033 | MH-1000 | MH-510 | 476.21 | 475.06 | 474.74 | 150.0 | 24 | 1.00 | 77.080 | 0.010 | 0.44 | 0.0237 |
| CO-507 | MH-510 | MH-511 | 475.89 | 474.74 | 474.40 | 150.0 | 19 | 1.00 | 53.897 | 0.010 | 0.56 | 0.0355 |
| CO-508 | MH-511 | MH-512 | 475.55 | 474.40 | 474.11 | 150.0 | 21 | 1.00 | 71.642 | 0.010 | 0.55 | 0.0473 |
| CO-509 | MH-512 | MH-513 | 475.26 | 474.11 | 473.85 | 150.0 | 20 | 1.00 | 78.624 | 0.010 | 0.57 | 0.0592 |
| CO-511 | MH-513 | MH-514 | 475.00 | 473.65 | 473.33 | 350.0 | 29 | 1.06 | 91.660 | 0.011 | 1.86 | 7.5214 |
| CO-530 | MH-514 | MH-533 | 474.81 | 473.28 | 473.21 | 400.0 | 29 | 1.33 | 400.000 | 0.011 | 1.07 | 7.8880 |
| CO-562 | MH-533 | MH-565 | 475.15 | 473.21 | 473.13 | 400.0 | 31 | 1.44 | 400.000 | 0.011 | 1.08 | 8.1952 |
| CO-563 | MH-565 | MH-566 | 474.87 | 473.13 | 473.06 | 400.0 | 30 | 1.20 | 400.000 | 0.011 | 1.08 | 8.2051 |
| CO-564 | MH-566 | MH-567 | 474.52 | 473.06 | 472.75 | 400.0 | 30 | 1.03 | 97.825 | 0.011 | 1.85 | 8.2150 |
| CO-565 | MH-567 | MH-568 | 474.15 | 472.75 | 472.68 | 400.0 | 30 | 1.03 | 400.000 | 0.011 | 1.08 | 8.2250 |
| CO-566 | MH-568 | MH-569 | 474.13 | 472.68 | 472.34 | 400.0 | 22 | 1.03 | 65.190 | 0.011 | 2.14 | 8.2349 |
| CO-570 | MH-569 | MH-573 | 473.74 | 472.34 | 472.30 | 400.0 | 16 | 1.22 | 400.000 | 0.011 | 1.08 | 8.2745 |
| CO-574 | MH-573 | MH-577 | 474.13 | 471.81 | 471.75 | 400.0 | 22 | 1.67 | 400.000 | 0.011 | 1.09 | 8.7006 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-575 | MH-577 | MH-578 | 473.56 | 471.75 | 471.69 | 400.0 | 22 | 1.31 | 400.000 | 0.011 | 1.09 | 8.7105 |
| CO-576 | MH-578 | MH-579 | 473.30 | 471.69 | 471.64 | 400.0 | 23 | 1.13 | 400.000 | 0.011 | 1.09 | 8.7204 |
| CO-577 | MH-579 | MH-580 | 473.09 | 471.64 | 471.51 | 400.0 | 15 | 1.02 | 119.356 | 0.011 | 1.74 | 8.7303 |
| CO-578 | MH-580 | MH-581 | 472.91 | 471.51 | 471.24 | 400.0 | 30 | 1.00 | 112.196 | 0.011 | 1.79 | 8.7403 |
| CO-632 | MH-581 | MH-636 | 472.64 | 470.60 | 470.53 | 400.0 | 30 | 1.54 | 400.000 | 0.011 | 1.10 | 9.0375 |
| CO-633 | MH-636 | MH-637 | 472.37 | 470.53 | 470.50 | 400.0 | 12 | 1.56 | 400.000 | 0.011 | 1.10 | 9.0474 |
| CO-691 | MH-637 | MH-694 | 472.56 | 470.45 | 470.40 | 450.0 | 20 | 1.65 | 400.000 | 0.011 | 1.18 | 11.9705 |
| CO-692 | MH-694 | MH-695 | 472.49 | 470.40 | 470.32 | 450.0 | 30 | 1.64 | 400.000 | 0.011 | 1.18 | 11.9804 |
| CO-693 | MH-695 | MH-696 | 472.41 | 470.32 | 470.25 | 450.0 | 30 | 1.56 | 400.000 | 0.011 | 1.18 | 11.9903 |
| CO-694 | MH-696 | MH-697 | 472.17 | 470.25 | 470.17 | 450.0 | 30 | 1.48 | 400.000 | 0.011 | 1.18 | 12.0002 |
| CO-695 | MH-697 | MH-698 | 472.12 | 470.17 | 470.12 | 450.0 | 22 | 1.47 | 400.000 | 0.011 | 1.18 | 12.0101 |
| CO-696 | MH-698 | MH-699 | 472.01 | 470.12 | 470.10 | 450.0 | 8 | 1.43 | 400.000 | 0.011 | 1.18 | 12.0200 |
| CO-697 | MH-699 | MH-700 | 471.97 | 470.10 | 470.02 | 450.0 | 30 | 1.42 | 400.000 | 0.011 | 1.18 | 12.0299 |
| CO-698 | MH-700 | MH-701 | 471.90 | 470.02 | 469.95 | 450.0 | 30 | 1.39 | 400.000 | 0.011 | 1.18 | 12.0399 |
| CO-699 | MH-701 | MH-693 | 471.76 | 469.95 | 469.50 | 450.0 | 31 | 1.55 | 69.528 | 0.011 | 2.31 | 12.0498 |
| CO-716 | MH-720 | MH-718 | 476.14 | 474.99 | 474.73 | 150.0 | 27 | 1.00 | 104.683 | 0.010 | 0.31 | 0.0118 |
| CO-711 | MH-714 | MH-715 | 476.71 | 475.56 | 475.46 | 150.0 | 18 | 1.00 | 181.429 | 0.010 | 0.26 | 0.0118 |
| CO-712 | MH-715 | MH-716 | 476.61 | 475.46 | 475.38 | 150.0 | 29 | 1.05 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-713 | MH-716 | MH-717 | 476.63 | 475.38 | 474.99 | 150.0 | 31 | 1.05 | 79.737 | 0.010 | 0.48 | 0.0355 |
| CO-714 | MH-717 | MH-718 | 476.14 | 474.99 | 474.73 | 150.0 | 14 | 1.00 | 53.937 | 0.010 | 0.61 | 0.0473 |
| CO-717 | MH-718 | MH-721 | 475.88 | 474.73 | 473.99 | 150.0 | 30 | 1.00 | 40.000 | 0.010 | 0.76 | 0.0710 |
| CO-718 | MH-721 | MH-722 | 475.14 | 473.99 | 473.31 | 150.0 | 30 | 1.02 | 43.680 | 0.010 | 0.77 | 0.0828 |
| CO-719 | MH-722 | MH-723 | 474.51 | 473.31 | 472.56 | 150.0 | 30 | 1.02 | 40.000 | 0.010 | 0.83 | 0.0947 |
| CO-1185 | MH-723 | MH-1143 | 473.71 | 472.56 | 472.36 | 150.0 | 10 | 1.00 | 50.491 | 0.010 | 0.80 | 0.1065 |
| CO-722 | MH-725 | MH-726 | 472.24 | 470.56 | 470.71 | 150.0 | 30 | 1.27 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-721 | MH-724 | MH-725 | 472.86 | 470.48 | 470.56 | 150.0 | 31 | 1.88 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1186 | MH-1143 | MH-724 | 473.51 | 470.43 | 470.48 | 150.0 | 20 | 2.58 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1190 | MH-1143 | MH-1144 | 473.51 | 470.43 | 470.34 | 150.0 | 37 | 2.90 | 400.000 | 0.010 | 0.43 | 0.1538 |
| CO-1035 | MH-1002 | MH-1003 | 473.74 | 472.59 | 472.44 | 150.0 | 11 | 1.00 | 73.733 | 0.010 | 0.36 | 0.0118 |
| CO-1039 | MH-1003 | MH-1005 | 473.59 | 472.44 | 472.41 | 150.0 | 8 | 1.00 | 227.568 | 0.010 | 0.30 | 0.0237 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-651 | MH-653 | MH-654 | 475.86 | 474.71 | 474.47 | 150.0 | 28 | 1.00 | 114.358 | 0.010 | 0.31 | 0.0118 |
| CO-652 | MH-654 | MH-655 | 475.62 | 474.47 | 474.25 | 150.0 | 22 | 1.00 | 100.646 | 0.010 | 0.40 | 0.0237 |
| CO-653 | MH-655 | MH-656 | 475.40 | 474.25 | 473.94 | 150.0 | 30 | 1.00 | 95.970 | 0.010 | 0.45 | 0.0355 |
| CO-654 | MH-656 | MH-657 | 475.09 | 473.94 | 473.76 | 150.0 | 30 | 1.00 | 165.337 | 0.010 | 0.41 | 0.0473 |
| CO-655 | MH-657 | MH-658 | 474.91 | 473.76 | 473.55 | 150.0 | 24 | 1.00 | 115.980 | 0.010 | 0.50 | 0.0592 |
| CO-656 | MH-658 | MH-659 | 474.70 | 473.55 | 473.34 | 150.0 | 17 | 1.00 | 77.643 | 0.010 | 0.60 | 0.0710 |
| CO-664 | MH-659 | MH-669 | 474.49 | 473.34 | 473.02 | 150.0 | 19 | 1.00 | 60.709 | 0.010 | 0.69 | 0.0828 |
| CO-665 | MH-669 | MH-670 | 474.17 | 473.02 | 472.42 | 150.0 | 30 | 1.00 | 49.542 | 0.010 | 0.77 | 0.0947 |
| CO-666 | MH-670 | MH-671 | 473.57 | 472.42 | 472.09 | 150.0 | 30 | 1.00 | 90.308 | 0.010 | 0.65 | 0.1065 |
| CO-667 | MH-671 | MH-672 | 473.24 | 472.09 | 471.81 | 150.0 | 27 | 1.00 | 98.091 | 0.010 | 0.65 | 0.1183 |
| CO-689 | MH-672 | MH-675 | 472.96 | 471.81 | 471.73 | 150.0 | 31 | 1.26 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-663 | MH-668 | MH-667 | 474.60 | 473.45 | 473.34 | 150.0 | 22 | 1.31 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-658 | MH-662 | MH-663 | 475.75 | 474.60 | 474.52 | 150.0 | 17 | 1.27 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-659 | MH-663 | MH-664 | 476.20 | 474.52 | 474.42 | 150.0 | 37 | 1.46 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-660 | MH-664 | MH-665 | 475.95 | 474.42 | 474.34 | 150.0 | 30 | 1.27 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-661 | MH-665 | MH-666 | 475.65 | 474.34 | 474.27 | 150.0 | 30 | 1.17 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-662 | MH-666 | MH-667 | 475.59 | 474.27 | 473.96 | 150.0 | 30 | 1.09 | 98.963 | 0.010 | 0.53 | 0.0592 |
| CO-668 | MH-667 | MH-673 | 475.11 | 473.34 | 473.26 | 150.0 | 30 | 1.32 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-669 | MH-673 | MH-674 | 474.43 | 473.26 | 472.57 | 150.0 | 30 | 1.01 | 42.848 | 0.010 | 0.81 | 0.0947 |
| CO-670 | MH-674 | MH-675 | 473.72 | 472.57 | 472.25 | 150.0 | 30 | 1.00 | 93.441 | 0.010 | 0.64 | 0.1065 |
| CO-690 | MH-675 | MH-685 | 473.40 | 471.73 | 471.65 | 150.0 | 31 | 1.81 | 400.000 | 0.010 | 0.49 | 0.2485 |
| CO-715 | MH-719 | MH-681 | 475.86 | 474.71 | 474.49 | 150.0 | 18 | 1.00 | 85.535 | 0.010 | 0.34 | 0.0118 |
| CO-677 | MH-682 | MH-681 | 475.24 | 474.09 | 474.01 | 150.0 | 16 | 1.24 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-707 | MH-710 | MH-677 | 477.02 | 475.87 | 475.61 | 150.0 | 27 | 1.00 | 107.729 | 0.010 | 0.31 | 0.0118 |
| CO-671 | MH-676 | MH-661 | 476.40 | 475.25 | 475.02 | 150.0 | 16 | 1.35 | 67.455 | 0.010 | 0.37 | 0.0118 |
| CO-342 | MH-344 | MH-345 | 480.96 | 479.81 | 479.69 | 150.0 | 16 | 1.00 | 134.430 | 0.010 | 0.29 | 0.0118 |
| CO-343 | MH-345 | MH-346 | 480.84 | 479.69 | 479.23 | 150.0 | 30 | 1.00 | 65.040 | 0.010 | 0.46 | 0.0237 |
| CO-344 | MH-346 | MH-347 | 480.38 | 479.23 | 478.65 | 150.0 | 30 | 1.00 | 50.960 | 0.010 | 0.57 | 0.0355 |
| CO-345 | MH-347 | MH-348 | 479.80 | 478.65 | 478.03 | 150.0 | 30 | 1.00 | 49.410 | 0.010 | 0.62 | 0.0473 |
| CO-346 | MH-348 | MH-343 | 479.18 | 478.03 | 477.25 | 150.0 | 34 | 1.00 | 43.520 | 0.010 | 0.70 | 0.0592 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-335 | MH-337 | MH-338 | 480.90 | 479.75 | 479.60 | 150.0 | 30 | 1.15 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-336 | MH-338 | MH-339 | 481.05 | 479.60 | 479.52 | 150.0 | 30 | 1.20 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-337 | MH-339 | MH-336 | 480.78 | 479.52 | 479.44 | 150.0 | 30 | 1.07 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-334 | MH-335 | MH-336 | 481.04 | 479.89 | 479.44 | 150.0 | 25 | 1.02 | 54.924 | 0.010 | 0.40 | 0.0118 |
| CO-338 | MH-336 | MH-340 | 480.63 | 479.44 | 478.88 | 150.0 | 35 | 1.02 | 63.163 | 0.010 | 0.61 | 0.0592 |
| CO-339 | MH-340 | MH-341 | 480.03 | 478.88 | 478.44 | 150.0 | 30 | 1.00 | 66.999 | 0.010 | 0.64 | 0.0710 |
| CO-340 | MH-341 | MH-342 | 479.59 | 478.44 | 477.91 | 150.0 | 30 | 1.00 | 56.532 | 0.010 | 0.71 | 0.0828 |
| CO-341 | MH-342 | MH-343 | 479.06 | 477.91 | 477.25 | 150.0 | 28 | 1.00 | 42.983 | 0.010 | 0.81 | 0.0947 |
| CO-347 | MH-343 | MH-349 | 478.40 | 477.25 | 476.95 | 150.0 | 26 | 1.00 | 84.481 | 0.010 | 0.75 | 0.1656 |
| CO-348 | MH-349 | MH-350 | 478.10 | 476.95 | 476.71 | 150.0 | 30 | 1.00 | 127.364 | 0.010 | 0.67 | 0.1775 |
| CO-349 | MH-350 | MH-351 | 477.86 | 476.71 | 476.49 | 150.0 | 30 | 1.00 | 133.583 | 0.010 | 0.67 | 0.1893 |
| CO-350 | MH-351 | MH-352 | 477.64 | 476.49 | 476.19 | 150.0 | 30 | 1.00 | 99.641 | 0.010 | 0.75 | 0.2011 |
| CO-351 | MH-352 | MH-660 | 477.34 | 476.19 | 475.70 | 150.0 | 29 | 1.00 | 59.502 | 0.010 | 0.92 | 0.2130 |
| CO-352 | MH-660 | MH-354 | 476.85 | 475.11 | 475.22 | 150.0 | 23 | 1.30 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-657 | MH-660 | MH-661 | 476.85 | 475.11 | 475.02 | 150.0 | 37 | 1.65 | 400.000 | 0.010 | 0.48 | 0.2366 |
| CO-672 | MH-661 | MH-677 | 476.87 | 475.02 | 474.96 | 150.0 | 23 | 1.68 | 400.000 | 0.010 | 0.49 | 0.2603 |
| CO-673 | MH-677 | MH-678 | 476.76 | 474.96 | 474.88 | 150.0 | 31 | 1.57 | 400.000 | 0.010 | 0.50 | 0.2840 |
| CO-674 | MH-678 | MH-679 | 476.51 | 474.88 | 474.80 | 150.0 | 30 | 1.42 | 400.000 | 0.010 | 0.51 | 0.2958 |
| CO-675 | MH-679 | MH-680 | 476.31 | 474.80 | 474.70 | 150.0 | 30 | 1.18 | 282.678 | 0.010 | 0.58 | 0.3076 |
| CO-676 | MH-680 | MH-681 | 475.85 | 474.70 | 474.49 | 150.0 | 17 | 1.00 | 80.926 | 0.010 | 0.93 | 0.3195 |
| CO-678 | MH-681 | MH-683 | 475.64 | 474.01 | 473.98 | 150.0 | 14 | 1.26 | 400.000 | 0.010 | 0.53 | 0.3549 |
| CO-679 | MH-683 | MH-684 | 475.17 | 473.98 | 473.33 | 150.0 | 30 | 1.02 | 45.408 | 0.010 | 1.18 | 0.3668 |
| CO-680 | MH-684 | MH-685 | 474.48 | 473.33 | 472.76 | 150.0 | 30 | 1.00 | 53.433 | 0.010 | 1.12 | 0.3786 |
| CO-1037 | MH-685 | MH-1005 | 473.91 | 471.65 | 471.62 | 150.0 | 14 | 1.95 | 400.000 | 0.010 | 0.61 | 0.6389 |
| CO-1188 | MH-1005 | MH-1144 | 473.56 | 471.62 | 471.59 | 150.0 | 11 | 1.70 | 400.000 | 0.010 | 0.62 | 0.6744 |
| CO-1189 | MH-1144 | MH-686 | 473.35 | 470.32 | 470.30 | 170.0 | 5 | 2.82 | 400.000 | 0.010 | 0.66 | 0.8400 |
| CO-682 | MH-686 | MH-687 | 473.26 | 470.30 | 470.23 | 170.0 | 30 | 2.56 | 400.000 | 0.010 | 0.66 | 0.8519 |
| CO-683 | MH-687 | MH-688 | 472.74 | 470.23 | 470.15 | 170.0 | 31 | 2.25 | 400.000 | 0.010 | 0.66 | 0.8637 |
| CO-684 | MH-688 | MH-689 | 472.49 | 470.15 | 470.08 | 170.0 | 30 | 2.12 | 400.000 | 0.010 | 0.66 | 0.8755 |
| CO-685 | MH-689 | MH-690 | 472.32 | 470.08 | 470.00 | 170.0 | 30 | 1.96 | 400.000 | 0.010 | 0.67 | 0.8874 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-686 | MH-690 | MH-691 | 472.03 | 470.00 | 469.93 | 170.0 | 29 | 1.83 | 400.000 | 0.010 | 0.67 | 0.8992 |
| CO-687 | MH-691 | MH-692 | 471.91 | 469.93 | 469.85 | 170.0 | 32 | 1.73 | 400.000 | 0.010 | 0.67 | 0.9110 |
| CO-688 | MH-692 | MH-693 | 471.68 | 469.85 | 469.78 | 170.0 | 29 | 1.70 | 400.000 | 0.010 | 0.67 | 0.9229 |
| CO-737 | MH-693 | MH-740 | 471.69 | 469.50 | 469.43 | 450.0 | 29 | 1.48 | 400.000 | 0.011 | 1.20 | 12.8624 |
| CO-738 | MH-740 | MH-741 | 471.09 | 469.43 | 469.36 | 450.0 | 24 | 1.17 | 400.000 | 0.011 | 1.20 | 12.8723 |
| CO-739 | MH-741 | MH-739 | 470.93 | 469.36 | 469.31 | 450.0 | 21 | 1.40 | 400.000 | 0.011 | 1.20 | 12.8822 |
| CO-731 | MH-734 | MH-733 | 471.77 | 470.62 | 470.37 | 150.0 | 21 | 1.00 | 85.194 | 0.010 | 0.34 | 0.0118 |
| CO-749 | MH-752 | MH-713 | 476.40 | 475.25 | 474.99 | 150.0 | 27 | 1.00 | 105.603 | 0.010 | 0.31 | 0.0118 |
| CO-744 | MH-747 | MH-709 | 477.54 | 476.39 | 475.95 | 150.0 | 24 | 1.02 | 54.711 | 0.010 | 0.40 | 0.0118 |
| CO-740 | MH-742 | MH-706 | 478.09 | 476.94 | 476.64 | 150.0 | 23 | 1.00 | 75.994 | 0.010 | 0.35 | 0.0118 |
| CO-703 | MH-705 | MH-706 | 477.44 | 476.29 | 476.17 | 150.0 | 23 | 1.23 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-704 | MH-706 | MH-707 | 477.79 | 476.17 | 476.09 | 150.0 | 31 | 1.55 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-705 | MH-707 | MH-708 | 477.88 | 476.09 | 476.02 | 150.0 | 30 | 1.51 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-706 | MH-708 | MH-709 | 477.56 | 476.02 | 475.95 | 150.0 | 27 | 1.22 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-708 | MH-709 | MH-711 | 477.14 | 475.95 | 475.87 | 150.0 | 33 | 1.03 | 400.000 | 0.010 | 0.35 | 0.0828 |
| CO-709 | MH-711 | MH-712 | 477.03 | 475.87 | 475.58 | 150.0 | 30 | 1.01 | 103.477 | 0.010 | 0.59 | 0.0947 |
| CO-710 | MH-712 | MH-713 | 476.73 | 475.58 | 474.99 | 150.0 | 39 | 1.00 | 65.951 | 0.010 | 0.72 | 0.1065 |
| CO-724 | MH-713 | MH-728 | 476.14 | 474.99 | 474.27 | 150.0 | 30 | 1.00 | 41.909 | 0.010 | 0.90 | 0.1301 |
| CO-725 | MH-728 | MH-729 | 475.42 | 474.22 | 473.47 | 150.0 | 30 | 1.02 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-726 | MH-729 | MH-730 | 474.62 | 473.47 | 472.83 | 150.0 | 30 | 1.00 | 46.011 | 0.010 | 0.91 | 0.1538 |
| CO-1181 | MH-730 | MH-1141 | 473.98 | 472.83 | 472.57 | 150.0 | 12 | 1.00 | 45.339 | 0.010 | 0.94 | 0.1656 |
| CO-1280 | MH-1142 | MH-1223 | 473.59 | 472.36 | 472.44 | 150.0 | 15 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1184 | MH-1141 | MH-1142 | 473.72 | 472.31 | 472.36 | 150.0 | 12 | 1.17 | 224.567 | 0.010 | 0.30 | 0.0237 |
| CO-1182 | MH-1141 | MH-731 | 473.72 | 472.31 | 471.85 | 150.0 | 19 | 1.13 | 40.000 | 0.010 | 1.04 | 0.2011 |
| CO-728 | MH-731 | MH-732 | 473.00 | 471.85 | 471.19 | 150.0 | 30 | 1.00 | 45.930 | 0.010 | 1.00 | 0.2130 |
| CO-729 | MH-732 | MH-727 | 472.34 | 471.19 | 470.78 | 150.0 | 30 | 1.00 | 73.115 | 0.010 | 0.87 | 0.2248 |
| CO-730 | MH-727 | MH-733 | 471.93 | 470.78 | 470.37 | 150.0 | 36 | 1.00 | 88.142 | 0.010 | 0.82 | 0.2366 |
| CO-732 | MH-733 | MH-735 | 471.52 | 470.37 | 470.15 | 150.0 | 24 | 1.00 | 107.786 | 0.010 | 0.79 | 0.2603 |
| CO-733 | MH-735 | MH-736 | 471.30 | 470.15 | 469.93 | 150.0 | 30 | 1.00 | 141.097 | 0.010 | 0.72 | 0.2721 |
| CO-734 | MH-736 | MH-737 | 471.08 | 469.93 | 469.82 | 150.0 | 21 | 1.00 | 180.264 | 0.010 | 0.67 | 0.2840 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-735 | MH-737 | MH-738 | 470.97 | 469.82 | 469.76 | 150.0 | 23 | 1.05 | 400.000 | 0.010 | 0.51 | 0.2958 |
| CO-736 | MH-738 | MH-739 | 471.01 | 469.76 | 469.61 | 150.0 | 25 | 1.39 | 169.713 | 0.010 | 0.70 | 0.3076 |
| CO-764 | MH-739 | MH-766 | 471.45 | 469.31 | 469.25 | 450.0 | 24 | 1.58 | 400.000 | 0.011 | 1.20 | 13.1497 |
| CO-785 | MH-788 | MH-761 | 471.78 | 470.63 | 470.54 | 150.0 | 17 | 1.01 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-750 | MH-753 | MH-751 | 476.87 | 475.72 | 475.28 | 150.0 | 25 | 1.00 | 55.936 | 0.010 | 0.39 | 0.0118 |
| CO-745 | MH-748 | MH-746 | 478.56 | 477.14 | 476.55 | 150.0 | 23 | 1.13 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-741 | MH-743 | MH-744 | 478.24 | 477.09 | 476.94 | 150.0 | 31 | 1.11 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-742 | MH-744 | MH-745 | 478.32 | 476.94 | 476.86 | 150.0 | 29 | 1.17 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-743 | MH-745 | MH-746 | 478.12 | 476.86 | 476.55 | 150.0 | 25 | 1.05 | 80.303 | 0.010 | 0.48 | 0.0355 |
| CO-746 | MH-746 | MH-749 | 477.70 | 476.55 | 476.31 | 150.0 | 35 | 1.00 | 143.263 | 0.010 | 0.46 | 0.0592 |
| CO-747 | MH-749 | MH-750 | 477.46 | 476.31 | 475.80 | 150.0 | 30 | 1.00 | 60.116 | 0.010 | 0.66 | 0.0710 |
| CO-748 | MH-750 | MH-751 | 476.95 | 475.80 | 475.28 | 150.0 | 34 | 1.00 | 65.931 | 0.010 | 0.67 | 0.0828 |
| CO-751 | MH-751 | MH-754 | 476.43 | 475.28 | 474.66 | 150.0 | 26 | 1.00 | 41.257 | 0.010 | 0.85 | 0.1065 |
| CO-752 | MH-754 | MH-755 | 475.81 | 474.66 | 473.96 | 150.0 | 30 | 1.00 | 42.559 | 0.010 | 0.86 | 0.1183 |
| CO-753 | MH-755 | MH-756 | 475.12 | 473.96 | 473.20 | 150.0 | 30 | 1.00 | 40.000 | 0.010 | 0.91 | 0.1301 |
| CO-1177 | MH-756 | MH-1139 | 474.35 | 473.14 | 472.69 | 150.0 | 18 | 1.03 | 40.000 | 0.010 | 0.94 | 0.1420 |
| CO-1180 | MH-1139 | MH-1140 | 473.84 | 472.56 | 472.66 | 150.0 | 21 | 1.07 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1178 | MH-1139 | MH-757 | 473.84 | 472.56 | 472.34 | 150.0 | 12 | 1.07 | 54.258 | 0.010 | 0.88 | 0.1656 |
| CO-755 | MH-757 | MH-758 | 473.49 | 472.21 | 471.46 | 150.0 | 30 | 1.07 | 40.000 | 0.010 | 1.00 | 0.1775 |
| CO-756 | MH-758 | MH-759 | 472.61 | 471.46 | 470.89 | 150.0 | 30 | 1.00 | 51.862 | 0.010 | 0.93 | 0.1893 |
| CO-757 | MH-759 | MH-760 | 472.04 | 470.89 | 470.64 | 150.0 | 30 | 1.00 | 120.859 | 0.010 | 0.70 | 0.2011 |
| CO-758 | MH-760 | MH-761 | 471.79 | 470.64 | 470.54 | 150.0 | 15 | 1.01 | 151.026 | 0.010 | 0.66 | 0.2130 |
| CO-759 | MH-761 | MH-762 | 471.72 | 470.54 | 470.42 | 150.0 | 16 | 1.01 | 136.830 | 0.010 | 0.70 | 0.2366 |
| CO-760 | MH-762 | MH-763 | 471.57 | 470.42 | 470.09 | 150.0 | 29 | 1.00 | 86.713 | 0.010 | 0.84 | 0.2485 |
| CO-761 | MH-763 | MH-764 | 471.24 | 470.09 | 469.89 | 150.0 | 20 | 1.00 | 98.727 | 0.010 | 0.81 | 0.2603 |
| CO-762 | MH-764 | MH-765 | 471.04 | 469.89 | 469.82 | 150.0 | 27 | 1.03 | 400.000 | 0.010 | 0.50 | 0.2721 |
| CO-763 | MH-765 | MH-766 | 471.03 | 469.82 | 469.55 | 150.0 | 33 | 1.26 | 122.447 | 0.010 | 0.77 | 0.2840 |
| CO-792 | MH-766 | MH-794 | 471.17 | 469.25 | 469.17 | 450.0 | 33 | 1.46 | 400.000 | 0.011 | 1.20 | 13.3975 |
| CO-786 | MH-789 | MH-787 | 471.45 | 470.30 | 470.17 | 150.0 | 28 | 1.17 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-804 | MH-807 | MH-779 | 476.29 | 475.14 | 475.01 | 150.0 | 27 | 1.29 | 202.377 | 0.010 | 0.25 | 0.0118 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-799 | MH-802 | MH-776 | 478.55 | 477.40 | 477.25 | 150.0 | 31 | 1.09 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-795 | MH-797 | MH-773 | 479.31 | 478.16 | 477.62 | 150.0 | 30 | 1.00 | 56.288 | 0.010 | 0.39 | 0.0118 |
| CO-1140 | MH-1103 | MH-1104 | 478.83 | 477.68 | 477.49 | 150.0 | 9 | 1.00 | 47.028 | 0.010 | 0.42 | 0.0118 |
| CO-1141 | MH-1104 | MH-1105 | 478.64 | 477.49 | 477.33 | 150.0 | 17 | 1.00 | 106.893 | 0.010 | 0.39 | 0.0237 |
| CO-1142 | MH-1105 | MH-1106 | 478.48 | 477.33 | 477.12 | 150.0 | 17 | 1.00 | 81.048 | 0.010 | 0.48 | 0.0355 |
| CO-1143 | MH-1106 | MH-772 | 478.27 | 477.12 | 476.80 | 150.0 | 21 | 1.08 | 64.749 | 0.010 | 0.57 | 0.0473 |
| CO-1129 | MH-1094 | MH-1095 | 478.52 | 477.37 | 477.28 | 150.0 | 19 | 1.13 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1130 | MH-1095 | MH-1096 | 478.68 | 477.28 | 477.23 | 150.0 | 15 | 1.13 | 318.579 | 0.010 | 0.26 | 0.0237 |
| CO-1131 | MH-1096 | MH-1097 | 478.38 | 477.23 | 477.07 | 150.0 | 16 | 1.00 | 103.619 | 0.010 | 0.44 | 0.0355 |
| CO-1132 | MH-1097 | MH-1098 | 478.22 | 477.07 | 476.90 | 150.0 | 16 | 1.00 | 93.789 | 0.010 | 0.50 | 0.0473 |
| CO-1133 | MH-1098 | MH-771 | 478.05 | 476.90 | 476.88 | 150.0 | 8 | 1.01 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-768 | MH-771 | MH-772 | 478.06 | 476.88 | 476.80 | 150.0 | 31 | 1.09 | 400.000 | 0.010 | 0.34 | 0.0710 |
| CO-769 | MH-772 | MH-770 | 478.11 | 476.80 | 476.71 | 150.0 | 37 | 1.55 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-1122 | MH-1086 | MH-1087 | 480.52 | 479.37 | 479.14 | 150.0 | 20 | 1.00 | 83.124 | 0.010 | 0.34 | 0.0118 |
| CO-1123 | MH-1087 | MH-1088 | 480.29 | 479.14 | 478.94 | 150.0 | 18 | 1.00 | 95.530 | 0.010 | 0.41 | 0.0237 |
| CO-1124 | MH-1088 | MH-1089 | 480.09 | 478.94 | 478.65 | 150.0 | 17 | 1.01 | 59.287 | 0.010 | 0.54 | 0.0355 |
| CO-1125 | MH-1089 | MH-1090 | 479.82 | 478.65 | 478.19 | 150.0 | 18 | 1.01 | 40.000 | 0.010 | 0.67 | 0.0473 |
| CO-1126 | MH-1090 | MH-1091 | 479.34 | 478.10 | 477.80 | 150.0 | 12 | 1.04 | 40.000 | 0.010 | 0.72 | 0.0592 |
| CO-1134 | MH-1099 | MH-1100 | 478.56 | 477.41 | 477.33 | 150.0 | 17 | 1.13 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1135 | MH-1100 | MH-1091 | 478.74 | 477.33 | 477.30 | 150.0 | 10 | 1.38 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1136 | MH-1091 | MH-1101 | 478.95 | 477.30 | 477.25 | 150.0 | 20 | 1.73 | 400.000 | 0.010 | 0.37 | 0.0947 |
| CO-1139 | MH-1101 | MH-1102 | 479.36 | 477.25 | 477.21 | 150.0 | 18 | 2.05 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-1127 | MH-1092 | MH-1093 | 480.60 | 479.39 | 478.88 | 150.0 | 20 | 1.03 | 40.000 | 0.010 | 0.44 | 0.0118 |
| CO-1128 | MH-1093 | MH-768 | 480.03 | 478.88 | 478.45 | 150.0 | 21 | 1.00 | 49.960 | 0.010 | 0.50 | 0.0237 |
| CO-825 | MH-828 | MH-767 | 480.39 | 479.24 | 478.99 | 150.0 | 20 | 1.00 | 79.374 | 0.010 | 0.35 | 0.0118 |
| CO-765 | MH-767 | MH-768 | 480.14 | 478.99 | 478.45 | 150.0 | 36 | 1.00 | 67.596 | 0.010 | 0.45 | 0.0237 |
| CO-1137 | MH-768 | MH-1102 | 479.60 | 478.45 | 478.35 | 150.0 | 9 | 1.00 | 89.469 | 0.010 | 0.54 | 0.0592 |
| CO-1138 | MH-1102 | MH-988 | 479.50 | 477.21 | 477.18 | 150.0 | 10 | 2.16 | 400.000 | 0.010 | 0.44 | 0.1775 |
| CO-1015 | MH-988 | MH-769 | 479.52 | 477.18 | 477.10 | 150.0 | 30 | 2.16 | 400.000 | 0.010 | 0.45 | 0.1893 |
| CO-767 | MH-769 | MH-770 | 479.39 | 477.10 | 476.71 | 150.0 | 27 | 2.04 | 68.360 | 0.010 | 0.86 | 0.2011 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-770 | MH-770 | MH-773 | 478.80 | 476.71 | 476.60 | 150.0 | 45 | 1.98 | 400.000 | 0.010 | 0.53 | 0.3431 |
| CO-771 | MH-773 | MH-774 | 478.77 | 476.60 | 476.53 | 150.0 | 27 | 2.13 | 400.000 | 0.010 | 0.54 | 0.3668 |
| CO-772 | MH-774 | MH-775 | 478.92 | 476.53 | 476.45 | 150.0 | 30 | 2.14 | 400.000 | 0.010 | 0.54 | 0.3786 |
| CO-773 | MH-775 | MH-776 | 478.64 | 476.45 | 476.39 | 150.0 | 25 | 2.04 | 400.000 | 0.010 | 0.55 | 0.3904 |
| CO-774 | MH-776 | MH-777 | 478.59 | 476.39 | 476.30 | 150.0 | 35 | 1.69 | 400.000 | 0.010 | 0.56 | 0.4141 |
| CO-775 | MH-777 | MH-778 | 477.79 | 476.30 | 475.97 | 150.0 | 30 | 1.17 | 88.515 | 0.010 | 0.97 | 0.4259 |
| CO-776 | MH-778 | MH-779 | 477.12 | 475.97 | 475.59 | 150.0 | 35 | 1.00 | 92.194 | 0.010 | 0.97 | 0.4378 |
| CO-777 | MH-779 | MH-780 | 476.74 | 475.01 | 474.62 | 150.0 | 25 | 1.29 | 65.127 | 0.010 | 1.11 | 0.4614 |
| CO-778 | MH-780 | MH-781 | 475.77 | 474.62 | 474.19 | 150.0 | 30 | 1.02 | 69.239 | 0.010 | 1.09 | 0.4733 |
| CO-779 | MH-781 | MH-782 | 475.37 | 474.19 | 473.43 | 150.0 | 30 | 1.02 | 40.000 | 0.010 | 1.34 | 0.4851 |
| CO-1175 | MH-782 | MH-1138 | 474.58 | 473.32 | 472.84 | 150.0 | 19 | 1.06 | 40.000 | 0.010 | 1.35 | 0.4969 |
| CO-1282 | MH-1138 | MH-1224 | 473.99 | 472.62 | 472.74 | 150.0 | 26 | 1.11 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1176 | MH-1138 | MH-783 | 473.99 | 472.62 | 472.36 | 150.0 | 10 | 1.25 | 40.644 | 0.010 | 1.36 | 0.5206 |
| CO-781 | MH-783 | MH-784 | 473.80 | 472.36 | 471.61 | 150.0 | 30 | 1.14 | 40.000 | 0.010 | 1.37 | 0.5324 |
| CO-782 | MH-784 | MH-785 | 472.76 | 471.61 | 470.86 | 150.0 | 35 | 1.00 | 47.000 | 0.010 | 1.31 | 0.5443 |
| CO-783 | MH-785 | MH-786 | 472.01 | 470.86 | 470.60 | 150.0 | 25 | 1.00 | 97.014 | 0.010 | 1.01 | 0.5561 |
| CO-784 | MH-786 | MH-787 | 471.75 | 470.60 | 470.17 | 150.0 | 18 | 1.17 | 40.359 | 0.010 | 1.40 | 0.5679 |
| CO-787 | MH-787 | MH-790 | 471.65 | 470.17 | 470.13 | 150.0 | 13 | 1.30 | 400.000 | 0.010 | 0.60 | 0.5916 |
| CO-788 | MH-790 | MH-791 | 471.55 | 470.13 | 470.06 | 150.0 | 30 | 1.18 | 400.000 | 0.010 | 0.61 | 0.6034 |
| CO-789 | MH-791 | MH-792 | 471.31 | 470.06 | 469.90 | 150.0 | 30 | 1.05 | 186.409 | 0.010 | 0.82 | 0.6152 |
| CO-790 | MH-792 | MH-793 | 471.05 | 469.90 | 469.82 | 150.0 | 30 | 1.02 | 400.000 | 0.010 | 0.61 | 0.6271 |
| CO-791 | MH-793 | MH-794 | 471.01 | 469.82 | 469.47 | 150.0 | 28 | 1.25 | 78.714 | 0.010 | 1.14 | 0.6389 |
| CO-793 | MH-794 | MH-795 | 471.07 | 469.17 | 469.12 | 450.0 | 19 | 1.23 | 400.000 | 0.011 | 1.19 | 12.5703 |
| CO-794 | MH-795 | MH-796 | 470.59 | 469.12 | 469.01 | 450.0 | 18 | 1.01 | 152.472 | 0.011 | 1.74 | 12.5792 |
| CO-819 | MH-796 | MH-821 | 470.46 | 469.01 | 468.53 | 450.0 | 25 | 1.27 | 51.840 | 0.011 | 2.61 | 12.8100 |
| CO-851 | MH-855 | MH-853 | 470.99 | 469.84 | 469.71 | 150.0 | 27 | 1.12 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1198 | MH-1148 | MH-1149 | 473.64 | 472.49 | 472.20 | 150.0 | 27 | 1.10 | 90.265 | 0.010 | 0.33 | 0.0118 |
| CO-1016 | MH-989 | MH-843 | 475.91 | 474.76 | 474.64 | 150.0 | 25 | 1.23 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-841 | MH-844 | MH-840 | 478.15 | 477.00 | 476.87 | 150.0 | 25 | 1.16 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-860 | MH-863 | MH-837 | 479.45 | 478.30 | 477.97 | 150.0 | 25 | 1.20 | 75.051 | 0.010 | 0.35 | 0.0118 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1117 | MH-1081 | MH-1082 | 480.63 | 479.48 | 479.43 | 150.0 | 11 | 1.10 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1118 | MH-1082 | MH-1083 | 480.79 | 479.43 | 479.39 | 150.0 | 14 | 1.19 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1119 | MH-1083 | MH-1084 | 480.70 | 479.39 | 479.36 | 150.0 | 12 | 1.15 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1120 | MH-1084 | MH-1085 | 480.65 | 479.36 | 479.34 | 150.0 | 8 | 1.15 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-1121 | MH-1085 | MH-825 | 480.64 | 479.34 | 479.29 | 150.0 | 10 | 1.08 | 208.437 | 0.010 | 0.40 | 0.0592 |
| CO-823 | MH-826 | MH-827 | 479.62 | 478.47 | 478.33 | 150.0 | 28 | 1.31 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-824 | MH-827 | MH-825 | 480.10 | 478.33 | 478.25 | 150.0 | 33 | 1.83 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-820 | MH-822 | MH-823 | 480.62 | 479.47 | 479.21 | 150.0 | 29 | 1.00 | 113.255 | 0.010 | 0.31 | 0.0118 |
| CO-821 | MH-823 | MH-824 | 480.36 | 479.21 | 479.14 | 150.0 | 29 | 1.10 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-822 | MH-824 | MH-825 | 480.48 | 479.14 | 479.09 | 150.0 | 19 | 1.20 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-829 | MH-825 | MH-833 | 480.44 | 478.25 | 478.16 | 150.0 | 35 | 2.11 | 400.000 | 0.010 | 0.40 | 0.1301 |
| CO-830 | MH-833 | MH-832 | 480.49 | 478.16 | 478.07 | 150.0 | 37 | 2.03 | 400.000 | 0.010 | 0.42 | 0.1420 |
| CO-1155 | MH-1119 | MH-1120 | 480.09 | 478.94 | 478.90 | 150.0 | 9 | 1.13 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1156 | MH-1120 | MH-1121 | 480.31 | 478.90 | 478.85 | 150.0 | 16 | 1.33 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1157 | MH-1121 | MH-1122 | 480.41 | 478.85 | 478.81 | 150.0 | 15 | 1.37 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1158 | MH-1122 | MH-835 | 480.29 | 478.81 | 478.77 | 150.0 | 17 | 1.24 | 400.000 | 0.010 | 0.30 | 0.0473 |
| CO-832 | MH-835 | MH-832 | 480.07 | 478.77 | 478.73 | 150.0 | 19 | 1.18 | 400.000 | 0.010 | 0.32 | 0.0592 |
| CO-826 | MH-829 | MH-830 | 480.06 | 478.91 | 478.79 | 150.0 | 23 | 1.04 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-827 | MH-830 | MH-831 | 480.03 | 478.79 | 478.29 | 150.0 | 45 | 1.04 | 88.774 | 0.010 | 0.42 | 0.0237 |
| CO-828 | MH-831 | MH-832 | 479.44 | 478.29 | 478.07 | 150.0 | 29 | 1.44 | 131.524 | 0.010 | 0.41 | 0.0355 |
| CO-833 | MH-832 | MH-836 | 480.09 | 478.07 | 478.00 | 150.0 | 27 | 1.65 | 400.000 | 0.010 | 0.49 | 0.2485 |
| CO-834 | MH-836 | MH-837 | 479.57 | 478.00 | 477.97 | 150.0 | 10 | 1.41 | 400.000 | 0.010 | 0.49 | 0.2603 |
| CO-835 | MH-837 | MH-838 | 479.52 | 477.97 | 477.90 | 150.0 | 29 | 1.29 | 400.000 | 0.010 | 0.50 | 0.2840 |
| CO-836 | MH-838 | MH-839 | 479.23 | 477.90 | 477.62 | 150.0 | 30 | 1.09 | 108.390 | 0.010 | 0.82 | 0.2958 |
| CO-837 | MH-839 | MH-840 | 478.77 | 477.62 | 477.20 | 150.0 | 20 | 1.00 | 48.992 | 0.010 | 1.10 | 0.3076 |
| CO-838 | MH-840 | MH-841 | 478.35 | 476.87 | 476.32 | 150.0 | 38 | 1.16 | 67.771 | 0.010 | 0.99 | 0.3313 |
| CO-839 | MH-841 | MH-842 | 477.47 | 476.32 | 475.64 | 150.0 | 30 | 1.00 | 44.979 | 0.010 | 1.16 | 0.3431 |
| CO-840 | MH-842 | MH-843 | 476.79 | 475.64 | 475.10 | 150.0 | 30 | 1.00 | 55.453 | 0.010 | 1.09 | 0.3549 |
| CO-843 | MH-843 | MH-847 | 476.25 | 474.64 | 473.93 | 150.0 | 32 | 1.23 | 44.859 | 0.010 | 1.20 | 0.3786 |
| CO-844 | MH-847 | MH-848 | 475.08 | 473.93 | 473.21 | 150.0 | 30 | 1.00 | 41.198 | 0.010 | 1.25 | 0.3904 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1017 | MH-848 | MH-990 | 474.36 | 473.21 | 472.69 | 150.0 | 30 | 1.00 | 56.748 | 0.010 | 1.12 | 0.4023 |
| CO-1196 | MH-990 | MH-1149 | 473.84 | 472.69 | 472.41 | 150.0 | 15 | 1.00 | 52.734 | 0.010 | 1.16 | 0.4141 |
| CO-1197 | MH-1149 | MH-849 | 473.56 | 472.20 | 471.82 | 150.0 | 15 | 1.10 | 40.000 | 0.010 | 1.30 | 0.4378 |
| CO-846 | MH-849 | MH-850 | 472.97 | 471.76 | 471.01 | 150.0 | 30 | 1.03 | 40.000 | 0.010 | 1.31 | 0.4496 |
| CO-847 | MH-850 | MH-851 | 472.16 | 471.01 | 470.50 | 150.0 | 31 | 1.00 | 60.481 | 0.010 | 1.14 | 0.4614 |
| CO-848 | MH-851 | MH-852 | 471.65 | 470.50 | 470.12 | 150.0 | 30 | 1.00 | 78.218 | 0.010 | 1.05 | 0.4733 |
| CO-849 | MH-852 | MH-853 | 471.27 | 470.12 | 469.96 | 150.0 | 12 | 1.00 | 75.386 | 0.010 | 1.07 | 0.4851 |
| CO-852 | MH-853 | MH-856 | 471.11 | 469.71 | 469.66 | 150.0 | 20 | 1.16 | 400.000 | 0.010 | 0.58 | 0.5088 |
| CO-853 | MH-856 | MH-857 | 470.89 | 469.66 | 469.38 | 150.0 | 27 | 1.04 | 98.271 | 0.010 | 0.99 | 0.5206 |
| CO-854 | MH-857 | MH-858 | 470.53 | 469.38 | 468.98 | 150.0 | 37 | 1.00 | 93.487 | 0.010 | 1.01 | 0.5324 |
| CO-855 | MH-858 | MH-859 | 470.13 | 468.98 | 468.91 | 150.0 | 28 | 1.23 | 400.000 | 0.010 | 0.59 | 0.5443 |
| CO-856 | MH-859 | MH-821 | 470.52 | 468.91 | 468.83 | 150.0 | 34 | 1.50 | 400.000 | 0.010 | 0.60 | 0.5561 |
| CO-1235 | MH-821 | MH-1185 | 470.52 | 468.53 | 468.46 | 450.0 | 29 | 1.51 | 400.000 | 0.011 | 1.20 | 13.2359 |
| CO-1239 | MH-1185 | MH-1189 | 470.39 | 468.46 | 467.96 | 450.0 | 29 | 1.24 | 58.479 | 0.011 | 2.52 | 13.2447 |
| CO-1240 | MH-1189 | MH-1190 | 469.41 | 467.96 | 467.80 | 450.0 | 31 | 1.00 | 191.713 | 0.011 | 1.62 | 13.5108 |
| CO-1241 | MH-1190 | MH-1191 | 469.25 | 467.80 | 467.59 | 450.0 | 29 | 1.00 | 141.523 | 0.011 | 1.85 | 14.1756 |
| CO-1242 | MH-1191 | MH-1192 | 469.04 | 467.59 | 467.33 | 450.0 | 30 | 1.00 | 117.974 | 0.011 | 1.98 | 14.1845 |
| CO-1243 | MH-1192 | MH-1193 | 468.78 | 467.33 | 467.17 | 450.0 | 28 | 1.00 | 171.228 | 0.011 | 1.72 | 14.1933 |
| CO-1244 | MH-1193 | MH-1194 | 468.62 | 467.17 | 467.00 | 450.0 | 26 | 1.00 | 146.085 | 0.011 | 1.83 | 14.2731 |
| CO-1273 | MH-1220 | MH-1216 | 469.40 | 468.25 | 468.04 | 150.0 | 26 | 1.00 | 122.387 | 0.010 | 0.30 | 0.0118 |
| CO-1272 | MH-1218 | MH-1219 | 469.86 | 468.71 | 468.60 | 150.0 | 24 | 1.19 | 202.377 | 0.010 | 0.25 | 0.0118 |
| CO-1259 | MH-1207 | MH-1208 | 471.70 | 470.55 | 470.27 | 150.0 | 27 | 1.00 | 95.437 | 0.010 | 0.33 | 0.0118 |
| CO-1261 | MH-1208 | MH-1210 | 471.42 | 470.27 | 470.20 | 150.0 | 27 | 1.16 | 374.973 | 0.010 | 0.25 | 0.0237 |
| CO-1262 | MH-1210 | MH-1209 | 471.67 | 470.20 | 470.13 | 150.0 | 27 | 1.31 | 400.000 | 0.010 | 0.28 | 0.0355 |
| CO-1263 | MH-1211 | MH-1209 | 472.13 | 470.98 | 470.43 | 150.0 | 27 | 1.00 | 48.867 | 0.010 | 0.41 | 0.0118 |
| CO-1264 | MH-1209 | MH-1212 | 471.58 | 470.13 | 469.70 | 150.0 | 31 | 1.15 | 71.950 | 0.010 | 0.59 | 0.0592 |
| CO-1265 | MH-1212 | MH-1213 | 470.85 | 469.70 | 469.35 | 150.0 | 32 | 1.00 | 91.646 | 0.010 | 0.57 | 0.0710 |
| CO-1270 | MH-1213 | MH-1219 | 470.50 | 469.35 | 468.97 | 150.0 | 24 | 1.00 | 64.307 | 0.010 | 0.68 | 0.0828 |
| CO-1271 | MH-1219 | MH-1214 | 470.12 | 468.60 | 468.58 | 150.0 | 7 | 1.38 | 400.000 | 0.010 | 0.38 | 0.1065 |
| CO-1267 | MH-1214 | MH-1215 | 470.11 | 468.58 | 468.50 | 150.0 | 34 | 1.20 | 400.000 | 0.010 | 0.39 | 0.1183 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-1268 | MH-1215 | MH-1216 | 469.66 | 468.50 | 468.04 | 150.0 | 35 | 1.01 | 76.841 | 0.010 | 0.73 | 0.1301 |
| CO-1269 | MH-1216 | MH-1217 | 469.19 | 468.04 | 467.88 | 150.0 | 40 | 1.00 | 240.272 | 0.010 | 0.51 | 0.1538 |
| CO-1274 | MH-1217 | MH-1221 | 469.03 | 467.88 | 467.56 | 150.0 | 31 | 1.00 | 98.553 | 0.010 | 0.71 | 0.1656 |
| CO-1275 | MH-1221 | MH-1194 | 468.71 | 467.56 | 467.30 | 150.0 | 27 | 1.00 | 102.397 | 0.010 | 0.72 | 0.1775 |
| CO-1245 | MH-1194 | MH-1195 | 468.45 | 466.95 | 466.86 | 500.0 | 34 | 1.01 | 400.000 | 0.011 | 1.25 | 14.4148 |
| CO-1246 | MH-1195 | MH-1196 | 468.37 | 466.86 | 466.79 | 500.0 | 30 | 1.13 | 400.000 | 0.011 | 1.25 | 14.4237 |
| CO-1247 | MH-1196 | MH-1197 | 468.53 | 466.79 | 466.71 | 500.0 | 31 | 1.14 | 400.000 | 0.011 | 1.25 | 14.4325 |
| CO-1248 | MH-1197 | MH-1198 | 468.25 | 466.71 | 466.64 | 500.0 | 26 | 1.06 | 400.000 | 0.011 | 1.25 | 14.4414 |
| CO-1249 | MH-1198 | OF-3 | 468.23 | 466.64 | 466.57 | 500.0 | 27 | 1.42 | 400.000 | 0.011 | 1.25 | 14.4502 |

Hydraulic Model Inventory: Zone IX Part II .stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part II) |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 15-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 518 | Taps | 0 |
| -Circle | 518 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 518 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|----------|
| Circle - 150.0 mm | 11,453 m | Circle - 250.0 mm | 519 m |
| Circle - 170.0 mm | 56 m | Circle - 300.0 mm | 350 m |
| Circle - 200.0 mm | 397 m | Total Length | 12,774 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1481 | MH-1483 | MH-1484 | 479.87 | 478.19 | 477.89 | 150.0 | 24 | 1.26 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1482 | MH-1484 | MH-1485 | 479.04 | 477.89 | 477.67 | 150.0 | 30 | 1.00 | 136.644 | 0.010 | 0.38 | 0.02901 |
| CO-1483 | MH-1485 | MH-1486 | 478.82 | 477.67 | 477.52 | 150.0 | 30 | 1.04 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1484 | MH-1486 | MH-1487 | 478.75 | 477.52 | 477.38 | 150.0 | 28 | 1.04 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1485 | MH-1487 | MH-1488 | 478.53 | 477.38 | 477.23 | 150.0 | 29 | 1.01 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1486 | MH-1488 | MH-1482 | 478.40 | 477.23 | 477.19 | 150.0 | 9 | 1.02 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1239 | MH-1241 | MH-1242 | 483.95 | 482.64 | 482.39 | 150.0 | 20 | 1.08 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1240 | MH-1242 | MH-1240 | 483.54 | 482.30 | 481.79 | 150.0 | 40 | 1.05 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1230 | MH-1232 | MH-1233 | 484.68 | 483.53 | 483.44 | 150.0 | 19 | 1.12 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1231 | MH-1233 | MH-1231 | 484.82 | 483.44 | 483.29 | 150.0 | 29 | 1.33 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1228 | MH-1229 | MH-1230 | 486.01 | 484.73 | 484.40 | 150.0 | 26 | 1.07 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1229 | MH-1230 | MH-1231 | 485.55 | 484.12 | 483.73 | 150.0 | 31 | 1.14 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1232 | MH-1231 | MH-1234 | 484.88 | 483.29 | 483.10 | 150.0 | 21 | 1.31 | 107.989 | 0.010 | 0.54 | 0.07253 |
| CO-1233 | MH-1234 | MH-1235 | 484.44 | 483.10 | 482.83 | 150.0 | 22 | 1.09 | 80.000 | 0.010 | 0.63 | 0.08704 |
| CO-1234 | MH-1235 | MH-1236 | 483.98 | 482.73 | 482.42 | 150.0 | 24 | 1.05 | 80.000 | 0.010 | 0.66 | 0.10154 |
| CO-1235 | MH-1236 | MH-1237 | 483.57 | 482.42 | 482.29 | 150.0 | 18 | 1.00 | 135.273 | 0.010 | 0.58 | 0.11605 |
| CO-1236 | MH-1237 | MH-1238 | 483.44 | 482.29 | 482.08 | 150.0 | 30 | 1.00 | 140.122 | 0.010 | 0.59 | 0.13055 |
| CO-1237 | MH-1238 | MH-1239 | 483.23 | 482.08 | 481.87 | 150.0 | 24 | 1.00 | 119.936 | 0.010 | 0.64 | 0.14506 |
| CO-1238 | MH-1239 | MH-1240 | 483.02 | 481.87 | 481.78 | 150.0 | 18 | 1.01 | 200.000 | 0.010 | 0.55 | 0.15957 |
| CO-1241 | MH-1240 | MH-1243 | 482.94 | 481.78 | 481.66 | 150.0 | 17 | 1.03 | 141.977 | 0.010 | 0.66 | 0.20308 |
| CO-1242 | MH-1243 | MH-1244 | 482.87 | 481.66 | 481.29 | 150.0 | 30 | 1.03 | 80.000 | 0.010 | 0.83 | 0.21759 |
| CO-1243 | MH-1244 | MH-1245 | 482.44 | 481.24 | 480.86 | 150.0 | 30 | 1.02 | 80.000 | 0.010 | 0.85 | 0.23210 |
| CO-1244 | MH-1245 | MH-1246 | 482.01 | 480.81 | 480.44 | 150.0 | 30 | 1.02 | 80.000 | 0.010 | 0.86 | 0.24660 |
| CO-1245 | MH-1246 | MH-1221 | 481.59 | 480.42 | 480.12 | 150.0 | 24 | 1.01 | 80.000 | 0.010 | 0.88 | 0.26111 |
| CO-1209 | MH-1210 | MH-1211 | 482.99 | 481.84 | 481.64 | 150.0 | 39 | 1.34 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1210 | MH-1211 | MH-1209 | 483.48 | 481.64 | 481.53 | 150.0 | 23 | 1.86 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1208 | MH-1208 | MH-1209 | 484.54 | 483.14 | 482.57 | 150.0 | 46 | 1.12 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1211 | MH-1209 | MH-1212 | 483.72 | 481.53 | 481.43 | 150.0 | 20 | 1.94 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1212 | MH-1212 | MH-1213 | 483.43 | 481.43 | 481.29 | 150.0 | 29 | 1.82 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1213 | MH-1213 | MH-1214 | 483.22 | 481.29 | 481.17 | 150.0 | 23 | 1.79 | 200.000 | 0.010 | 0.46 | 0.08704 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1214 | MH-1214 | MH-1215 | 483.12 | 481.17 | 481.01 | 150.0 | 32 | 1.62 | 200.000 | 0.010 | 0.48 | 0.10154 |
| CO-1215 | MH-1215 | MH-1216 | 482.60 | 481.01 | 480.94 | 150.0 | 14 | 1.36 | 200.000 | 0.010 | 0.50 | 0.11605 |
| CO-1216 | MH-1216 | MH-1217 | 482.36 | 480.94 | 480.85 | 150.0 | 18 | 1.33 | 200.000 | 0.010 | 0.52 | 0.13055 |
| CO-1217 | MH-1217 | MH-1218 | 482.39 | 480.85 | 480.69 | 150.0 | 32 | 1.39 | 200.000 | 0.010 | 0.54 | 0.14506 |
| CO-1218 | MH-1218 | MH-1219 | 482.22 | 480.69 | 480.54 | 150.0 | 31 | 1.42 | 200.000 | 0.010 | 0.55 | 0.15957 |
| CO-1219 | MH-1219 | MH-1220 | 482.14 | 480.54 | 480.39 | 150.0 | 30 | 1.42 | 200.000 | 0.010 | 0.56 | 0.17407 |
| CO-1220 | MH-1220 | MH-1100 | 481.92 | 480.39 | 480.22 | 150.0 | 33 | 1.51 | 200.000 | 0.010 | 0.58 | 0.18858 |
| CO-1204 | MH-1206 | MH-1207 | 483.16 | 482.01 | 481.85 | 150.0 | 18 | 1.00 | 112.500 | 0.010 | 0.33 | 0.01451 |
| CO-1205 | MH-1207 | MH-1205 | 483.00 | 481.85 | 481.61 | 150.0 | 25 | 1.00 | 101.163 | 0.010 | 0.42 | 0.02901 |
| CO-1200 | MH-1202 | MH-1203 | 483.80 | 482.65 | 482.41 | 150.0 | 20 | 1.00 | 82.637 | 0.010 | 0.36 | 0.01451 |
| CO-1201 | MH-1203 | MH-1201 | 483.56 | 482.41 | 482.21 | 150.0 | 21 | 1.04 | 106.736 | 0.010 | 0.41 | 0.02901 |
| CO-1197 | MH-1199 | MH-1200 | 484.11 | 482.96 | 482.80 | 150.0 | 16 | 1.00 | 101.641 | 0.010 | 0.34 | 0.01451 |
| CO-1198 | MH-1200 | MH-1198 | 483.95 | 482.80 | 482.59 | 150.0 | 25 | 1.00 | 119.439 | 0.010 | 0.39 | 0.02901 |
| CO-1191 | MH-1192 | MH-1193 | 484.50 | 483.35 | 483.15 | 150.0 | 30 | 1.00 | 152.097 | 0.010 | 0.29 | 0.01451 |
| CO-1192 | MH-1193 | MH-1194 | 484.30 | 483.15 | 483.00 | 150.0 | 30 | 1.01 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1193 | MH-1194 | MH-1195 | 484.18 | 483.00 | 482.86 | 150.0 | 29 | 1.07 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1194 | MH-1195 | MH-1196 | 484.13 | 482.86 | 482.76 | 150.0 | 19 | 1.07 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1195 | MH-1196 | MH-1197 | 483.93 | 482.76 | 482.53 | 150.0 | 31 | 1.01 | 135.137 | 0.010 | 0.50 | 0.07253 |
| CO-1196 | MH-1197 | MH-1198 | 483.68 | 482.53 | 482.40 | 150.0 | 27 | 1.10 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1199 | MH-1198 | MH-1201 | 483.74 | 482.40 | 482.21 | 150.0 | 37 | 1.14 | 200.000 | 0.010 | 0.52 | 0.13055 |
| CO-1202 | MH-1201 | MH-1204 | 483.45 | 482.21 | 481.96 | 150.0 | 25 | 1.09 | 99.112 | 0.010 | 0.72 | 0.17407 |
| CO-1203 | MH-1204 | MH-1205 | 483.20 | 481.96 | 481.61 | 150.0 | 28 | 1.04 | 80.000 | 0.010 | 0.80 | 0.18858 |
| CO-1206 | MH-1205 | MH-1191 | 482.76 | 481.61 | 481.45 | 150.0 | 32 | 1.05 | 200.000 | 0.010 | 0.61 | 0.23210 |
| CO-1629 | MH-1610 | MH-1552 | 485.50 | 484.35 | 484.17 | 150.0 | 22 | 1.00 | 118.640 | 0.010 | 0.32 | 0.01426 |
| CO-1563 | MH-1552 | MH-1553 | 485.32 | 484.17 | 483.82 | 150.0 | 30 | 1.00 | 85.035 | 0.010 | 0.45 | 0.02851 |
| CO-1564 | MH-1553 | MH-1554 | 484.97 | 483.82 | 483.54 | 150.0 | 27 | 1.00 | 93.715 | 0.010 | 0.49 | 0.04277 |
| CO-1565 | MH-1554 | MH-1555 | 484.69 | 483.25 | 482.88 | 150.0 | 30 | 1.14 | 80.000 | 0.010 | 0.56 | 0.05702 |
| CO-1566 | MH-1555 | MH-1556 | 484.03 | 482.80 | 482.40 | 150.0 | 33 | 1.04 | 80.000 | 0.010 | 0.60 | 0.07128 |
| CO-1555 | MH-1546 | MH-1547 | 486.07 | 484.92 | 484.60 | 150.0 | 26 | 1.00 | 80.814 | 0.010 | 0.36 | 0.01426 |
| CO-1556 | MH-1547 | MH-1548 | 485.75 | 484.40 | 484.09 | 150.0 | 24 | 1.10 | 80.000 | 0.010 | 0.45 | 0.02851 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1557 | MH-1548 | MH-1549 | 485.24 | 484.09 | 483.86 | 150.0 | 25 | 1.00 | 109.234 | 0.010 | 0.46 | 0.04277 |
| CO-1558 | MH-1549 | MH-1550 | 485.01 | 483.86 | 483.62 | 150.0 | 24 | 1.02 | 99.106 | 0.010 | 0.52 | 0.05702 |
| CO-1559 | MH-1550 | MH-1545 | 484.81 | 483.62 | 483.49 | 150.0 | 10 | 1.02 | 80.000 | 0.010 | 0.60 | 0.07128 |
| CO-1554 | MH-1544 | MH-1545 | 484.90 | 483.75 | 483.49 | 150.0 | 26 | 1.00 | 99.107 | 0.010 | 0.34 | 0.01426 |
| CO-1560 | MH-1545 | MH-1551 | 484.64 | 483.49 | 483.34 | 150.0 | 14 | 1.02 | 94.971 | 0.010 | 0.62 | 0.09979 |
| CO-1561 | MH-1551 | MH-1048 | 484.52 | 483.34 | 483.03 | 150.0 | 25 | 1.02 | 80.000 | 0.010 | 0.69 | 0.11405 |
| CO-1630 | MH-1049 | MH-1611 | 484.24 | 483.09 | 483.41 | 150.0 | 26 | 1.07 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1048 | MH-1048 | MH-1049 | 484.18 | 482.99 | 483.09 | 150.0 | 19 | 1.02 | 200.000 | 0.010 | 0.33 | 0.02876 |
| CO-1047 | MH-1047 | MH-1048 | 484.04 | 482.89 | 482.99 | 150.0 | 10 | 1.02 | 103.287 | 0.010 | 0.69 | 0.15732 |
| CO-1046 | MH-1556 | MH-1047 | 483.55 | 482.40 | 482.82 | 150.0 | 34 | 1.04 | 80.000 | 0.010 | 0.78 | 0.17182 |
| CO-1576 | MH-1556 | MH-1564 | 483.55 | 482.40 | 482.29 | 150.0 | 21 | 1.04 | 200.000 | 0.010 | 0.63 | 0.25736 |
| CO-1577 | MH-1564 | MH-1190 | 483.52 | 482.29 | 482.17 | 150.0 | 23 | 1.18 | 200.000 | 0.010 | 0.64 | 0.27161 |
| CO-1177 | MH-1179 | MH-1178 | 484.65 | 483.32 | 482.94 | 150.0 | 30 | 1.09 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1174 | MH-1175 | MH-1176 | 484.71 | 483.56 | 483.31 | 150.0 | 30 | 1.00 | 121.636 | 0.010 | 0.32 | 0.01451 |
| CO-1175 | MH-1176 | MH-1177 | 484.46 | 483.31 | 483.01 | 150.0 | 29 | 1.00 | 99.287 | 0.010 | 0.42 | 0.02901 |
| CO-1176 | MH-1177 | MH-1178 | 484.16 | 483.01 | 482.92 | 150.0 | 19 | 1.01 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1178 | MH-1178 | MH-1180 | 484.09 | 482.92 | 482.77 | 150.0 | 29 | 1.02 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1179 | MH-1180 | MH-1117 | 483.93 | 482.77 | 482.70 | 150.0 | 14 | 1.02 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1580 | MH-1567 | MH-1568 | 484.69 | 483.54 | 483.31 | 150.0 | 21 | 1.00 | 93.844 | 0.010 | 0.35 | 0.01426 |
| CO-1581 | MH-1568 | MH-1116 | 484.46 | 483.31 | 483.23 | 150.0 | 15 | 1.00 | 194.389 | 0.010 | 0.33 | 0.02851 |
| CO-1168 | MH-1170 | MH-1167 | 485.33 | 484.15 | 483.92 | 150.0 | 18 | 1.01 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1163 | MH-1164 | MH-1165 | 485.65 | 484.43 | 484.09 | 150.0 | 27 | 1.04 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1164 | MH-1165 | MH-1166 | 485.24 | 484.09 | 483.94 | 150.0 | 30 | 1.06 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1165 | MH-1166 | MH-1167 | 485.20 | 483.94 | 483.79 | 150.0 | 30 | 1.12 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1167 | MH-1167 | MH-1169 | 485.07 | 483.79 | 483.55 | 150.0 | 28 | 1.07 | 116.632 | 0.010 | 0.52 | 0.07253 |
| CO-1166 | MH-1168 | MH-1169 | 484.95 | 483.80 | 483.55 | 150.0 | 50 | 1.01 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1169 | MH-1169 | MH-1171 | 484.71 | 483.55 | 483.36 | 150.0 | 17 | 1.01 | 89.015 | 0.010 | 0.64 | 0.10154 |
| CO-1170 | MH-1171 | MH-1172 | 484.51 | 483.36 | 483.24 | 150.0 | 18 | 1.00 | 146.951 | 0.010 | 0.56 | 0.11605 |
| CO-1171 | MH-1172 | MH-1173 | 484.39 | 483.24 | 483.13 | 150.0 | 21 | 1.19 | 200.000 | 0.010 | 0.52 | 0.13055 |
| CO-1172 | MH-1173 | MH-1174 | 484.65 | 483.13 | 482.98 | 150.0 | 30 | 1.72 | 200.000 | 0.010 | 0.54 | 0.14506 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1173 | MH-1174 | MH-1159 | 485.20 | 482.98 | 482.82 | 150.0 | 32 | 2.28 | 200.000 | 0.010 | 0.55 | 0.15957 |
| CO-1146 | MH-1149 | MH-1150 | 486.93 | 485.78 | 485.57 | 150.0 | 22 | 1.00 | 104.441 | 0.010 | 0.33 | 0.01451 |
| CO-1147 | MH-1150 | MH-1151 | 486.72 | 485.57 | 485.37 | 150.0 | 32 | 1.00 | 165.463 | 0.010 | 0.35 | 0.02901 |
| CO-1148 | MH-1151 | MH-1142 | 486.52 | 485.37 | 485.19 | 150.0 | 36 | 1.01 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1132 | MH-1136 | MH-1137 | 488.48 | 487.33 | 487.04 | 150.0 | 31 | 1.00 | 109.354 | 0.010 | 0.33 | 0.01451 |
| CO-1133 | MH-1137 | MH-1138 | 488.19 | 487.04 | 486.82 | 150.0 | 27 | 1.00 | 120.624 | 0.010 | 0.39 | 0.02901 |
| CO-1134 | MH-1138 | MH-1139 | 487.97 | 486.82 | 486.57 | 150.0 | 25 | 1.01 | 100.469 | 0.010 | 0.48 | 0.04352 |
| CO-1135 | MH-1139 | MH-1135 | 487.75 | 486.57 | 486.09 | 150.0 | 38 | 1.01 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1592 | MH-1578 | MH-1579 | 488.11 | 486.77 | 486.46 | 150.0 | 25 | 1.10 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1593 | MH-1579 | MH-1580 | 487.61 | 486.39 | 486.11 | 150.0 | 23 | 1.03 | 80.000 | 0.010 | 0.45 | 0.02851 |
| CO-1596 | MH-1580 | MH-1581 | 487.26 | 486.06 | 485.87 | 150.0 | 15 | 1.03 | 80.000 | 0.010 | 0.51 | 0.04277 |
| CO-1586 | MH-1573 | MH-1124 | 488.55 | 487.40 | 487.14 | 150.0 | 52 | 1.27 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1120 | MH-1124 | MH-1125 | 488.83 | 487.14 | 487.00 | 150.0 | 27 | 1.42 | 200.000 | 0.010 | 0.33 | 0.02876 |
| CO-1121 | MH-1125 | MH-1126 | 488.45 | 487.00 | 486.84 | 150.0 | 32 | 1.22 | 197.882 | 0.010 | 0.38 | 0.04327 |
| CO-1122 | MH-1126 | MH-1127 | 488.13 | 486.84 | 486.49 | 150.0 | 28 | 1.07 | 80.000 | 0.010 | 0.56 | 0.05777 |
| CO-1123 | MH-1127 | MH-1128 | 487.64 | 486.49 | 486.16 | 150.0 | 29 | 1.05 | 89.818 | 0.010 | 0.58 | 0.07228 |
| CO-1124 | MH-1128 | MH-1123 | 487.40 | 486.16 | 485.91 | 150.0 | 20 | 1.05 | 80.000 | 0.010 | 0.63 | 0.08679 |
| CO-1590 | MH-1574 | MH-1577 | 488.84 | 487.69 | 487.55 | 150.0 | 27 | 1.05 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1591 | MH-1577 | MH-1575 | 488.80 | 487.55 | 487.40 | 150.0 | 31 | 1.12 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1588 | MH-1575 | MH-1576 | 488.69 | 487.40 | 487.29 | 150.0 | 18 | 1.08 | 172.348 | 0.010 | 0.39 | 0.04277 |
| CO-1589 | MH-1576 | MH-1118 | 488.45 | 487.29 | 486.89 | 150.0 | 32 | 1.01 | 80.000 | 0.010 | 0.56 | 0.05702 |
| CO-1115 | MH-1118 | MH-1119 | 488.04 | 486.75 | 486.30 | 150.0 | 36 | 1.07 | 80.000 | 0.010 | 0.60 | 0.07153 |
| CO-1116 | MH-1119 | MH-1120 | 487.45 | 486.30 | 486.07 | 150.0 | 23 | 1.00 | 99.207 | 0.010 | 0.59 | 0.08604 |
| CO-1117 | MH-1120 | MH-1121 | 487.22 | 486.07 | 485.77 | 150.0 | 31 | 1.00 | 102.132 | 0.010 | 0.61 | 0.10054 |
| CO-1118 | MH-1121 | MH-1122 | 486.92 | 485.77 | 485.67 | 150.0 | 20 | 1.10 | 200.000 | 0.010 | 0.50 | 0.11505 |
| CO-1119 | MH-1122 | MH-1123 | 487.03 | 485.67 | 485.47 | 150.0 | 41 | 1.33 | 200.000 | 0.010 | 0.52 | 0.12955 |
| CO-1125 | MH-1123 | MH-1129 | 487.06 | 485.47 | 485.32 | 150.0 | 28 | 1.54 | 200.000 | 0.010 | 0.61 | 0.23085 |
| CO-1126 | MH-1129 | MH-1130 | 487.11 | 485.32 | 485.17 | 150.0 | 30 | 1.70 | 200.000 | 0.010 | 0.62 | 0.24535 |
| CO-1129 | MH-1130 | MH-1133 | 487.09 | 485.17 | 485.12 | 150.0 | 12 | 1.77 | 200.000 | 0.010 | 0.63 | 0.25986 |
| CO-1594 | MH-1133 | MH-1581 | 487.04 | 485.12 | 485.08 | 150.0 | 7 | 1.78 | 200.000 | 0.010 | 0.64 | 0.27436 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1595 | MH-1581 | MH-1134 | 487.02 | 485.08 | 484.95 | 150.0 | 27 | 1.83 | 200.000 | 0.010 | 0.68 | 0.33139 |
| CO-1131 | MH-1134 | MH-1135 | 486.97 | 484.95 | 484.75 | 150.0 | 41 | 2.11 | 200.000 | 0.010 | 0.68 | 0.34589 |
| CO-1136 | MH-1135 | MH-1140 | 487.24 | 484.75 | 484.44 | 150.0 | 25 | 2.33 | 81.114 | 0.010 | 1.00 | 0.41842 |
| CO-1137 | MH-1140 | MH-1141 | 486.91 | 484.44 | 484.21 | 150.0 | 19 | 2.24 | 82.952 | 0.010 | 1.00 | 0.43293 |
| CO-1138 | MH-1141 | MH-1142 | 486.53 | 484.21 | 484.12 | 150.0 | 8 | 2.13 | 85.251 | 0.010 | 1.00 | 0.44744 |
| CO-1149 | MH-1142 | MH-1152 | 486.37 | 484.12 | 484.05 | 150.0 | 7 | 2.08 | 93.648 | 0.010 | 1.00 | 0.50546 |
| CO-1150 | MH-1152 | MH-1153 | 486.26 | 484.05 | 483.65 | 150.0 | 38 | 2.21 | 95.419 | 0.010 | 1.00 | 0.51997 |
| CO-1151 | MH-1153 | MH-1154 | 486.15 | 483.65 | 483.40 | 150.0 | 24 | 2.45 | 97.519 | 0.010 | 1.00 | 0.53447 |
| CO-1152 | MH-1154 | MH-1155 | 486.10 | 483.40 | 483.10 | 150.0 | 30 | 2.60 | 99.630 | 0.010 | 1.00 | 0.54898 |
| CO-1153 | MH-1155 | MH-1156 | 485.90 | 483.10 | 482.81 | 150.0 | 30 | 2.71 | 101.623 | 0.010 | 1.00 | 0.56348 |
| CO-1154 | MH-1156 | MH-1157 | 485.73 | 482.81 | 482.46 | 150.0 | 36 | 2.98 | 103.510 | 0.010 | 1.00 | 0.57799 |
| CO-1155 | MH-1157 | MH-1158 | 485.81 | 482.46 | 482.23 | 150.0 | 24 | 3.28 | 105.309 | 0.010 | 1.00 | 0.59250 |
| CO-1156 | MH-1158 | MH-1159 | 485.76 | 482.23 | 482.04 | 150.0 | 21 | 3.33 | 107.014 | 0.010 | 1.00 | 0.60700 |
| CO-1157 | MH-1159 | MH-1160 | 485.47 | 482.04 | 481.87 | 150.0 | 21 | 3.24 | 127.489 | 0.010 | 1.00 | 0.78107 |
| CO-1158 | MH-1160 | MH-1161 | 485.23 | 481.87 | 481.61 | 150.0 | 34 | 3.16 | 128.851 | 0.010 | 1.00 | 0.79558 |
| CO-1159 | MH-1161 | MH-1162 | 484.86 | 481.61 | 481.38 | 150.0 | 30 | 3.18 | 130.528 | 0.010 | 1.00 | 0.81009 |
| CO-1160 | MH-1162 | MH-1163 | 484.80 | 481.38 | 481.16 | 150.0 | 30 | 3.35 | 132.038 | 0.010 | 1.00 | 0.82459 |
| CO-1161 | MH-1163 | MH-1109 | 484.75 | 481.16 | 481.01 | 150.0 | 19 | 3.44 | 133.503 | 0.010 | 1.00 | 0.83910 |
| CO-1105 | MH-1106 | MH-1107 | 485.20 | 484.05 | 483.80 | 150.0 | 30 | 1.00 | 122.458 | 0.010 | 0.32 | 0.01451 |
| CO-1106 | MH-1107 | MH-1108 | 484.95 | 483.80 | 483.71 | 150.0 | 19 | 1.03 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1107 | MH-1108 | MH-1109 | 484.92 | 483.71 | 483.46 | 150.0 | 33 | 1.03 | 130.061 | 0.010 | 0.43 | 0.04352 |
| CO-1162 | MH-1109 | MH-1114 | 484.61 | 481.01 | 480.93 | 150.0 | 11 | 3.48 | 139.051 | 0.010 | 1.00 | 0.89712 |
| CO-1111 | MH-1114 | MH-1115 | 484.59 | 480.93 | 480.81 | 150.0 | 18 | 3.65 | 140.368 | 0.010 | 1.00 | 0.91163 |
| CO-1112 | MH-1115 | MH-1113 | 484.75 | 480.81 | 480.69 | 150.0 | 17 | 3.88 | 141.665 | 0.010 | 1.00 | 0.92613 |
| CO-1108 | MH-1110 | MH-1569 | 484.97 | 483.82 | 483.71 | 150.0 | 23 | 1.13 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1585 | MH-1572 | MH-1571 | 485.51 | 484.36 | 484.24 | 150.0 | 24 | 1.15 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1584 | MH-1104 | MH-1571 | 485.73 | 484.15 | 484.24 | 150.0 | 18 | 1.37 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1102 | MH-1103 | MH-1104 | 485.42 | 484.00 | 484.15 | 150.0 | 29 | 1.35 | 200.000 | 0.010 | 0.37 | 0.04302 |
| CO-1101 | MH-1102 | MH-1103 | 485.25 | 483.86 | 484.00 | 150.0 | 30 | 1.26 | 200.000 | 0.010 | 0.41 | 0.05752 |
| CO-1583 | MH-1570 | MH-1102 | 485.25 | 483.74 | 483.86 | 150.0 | 22 | 1.30 | 200.000 | 0.010 | 0.43 | 0.07203 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1582 | MH-1569 | MH-1570 | 485.11 | 483.71 | 483.74 | 150.0 | 6 | 1.31 | 162.500 | 0.010 | 0.49 | 0.08629 |
| CO-1109 | MH-1569 | MH-1112 | 485.11 | 483.71 | 483.61 | 150.0 | 20 | 1.35 | 200.000 | 0.010 | 0.50 | 0.11505 |
| CO-1022 | MH-1023 | MH-1022 | 487.42 | 486.13 | 485.78 | 150.0 | 28 | 1.07 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1535 | MH-1531 | MH-1532 | 487.48 | 486.33 | 486.18 | 150.0 | 30 | 1.06 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1536 | MH-1532 | MH-1533 | 487.45 | 486.18 | 486.12 | 150.0 | 12 | 1.14 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1539 | MH-1533 | MH-1534 | 487.43 | 486.12 | 485.99 | 150.0 | 25 | 1.15 | 200.000 | 0.010 | 0.37 | 0.04277 |
| CO-1518 | MH-1518 | MH-1519 | 487.14 | 485.99 | 485.95 | 150.0 | 9 | 1.07 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1519 | MH-1519 | MH-1520 | 487.25 | 485.95 | 485.89 | 150.0 | 12 | 1.39 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1520 | MH-1520 | MH-1517 | 487.66 | 485.89 | 485.87 | 150.0 | 5 | 1.62 | 200.000 | 0.010 | 0.37 | 0.04277 |
| CO-1005 | MH-1006 | MH-1005 | 488.28 | 487.05 | 486.76 | 150.0 | 23 | 1.04 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1003 | MH-1003 | MH-1004 | 487.99 | 486.84 | 486.73 | 150.0 | 23 | 1.04 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1004 | MH-1004 | MH-1005 | 487.97 | 486.73 | 486.61 | 150.0 | 23 | 1.12 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1006 | MH-1005 | MH-1007 | 487.91 | 486.61 | 486.51 | 150.0 | 20 | 1.16 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1505 | MH-1505 | MH-1506 | 488.78 | 487.63 | 487.50 | 150.0 | 25 | 1.00 | 190.030 | 0.010 | 0.27 | 0.01426 |
| CO-1506 | MH-1506 | MH-1507 | 488.65 | 487.50 | 487.36 | 150.0 | 28 | 1.32 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1507 | MH-1507 | MH-1508 | 489.14 | 487.36 | 487.21 | 150.0 | 30 | 1.67 | 200.000 | 0.010 | 0.37 | 0.04277 |
| CO-1508 | MH-1508 | MH-1509 | 489.06 | 487.21 | 487.05 | 150.0 | 33 | 1.53 | 200.000 | 0.010 | 0.41 | 0.05702 |
| CO-1509 | MH-1509 | MH-1510 | 488.55 | 487.05 | 486.99 | 150.0 | 11 | 1.32 | 200.000 | 0.010 | 0.43 | 0.07128 |
| CO-1510 | MH-1510 | MH-1511 | 488.44 | 486.99 | 486.77 | 150.0 | 26 | 1.15 | 119.552 | 0.010 | 0.55 | 0.08554 |
| CO-1511 | MH-1511 | MH-1007 | 487.92 | 486.77 | 486.69 | 150.0 | 17 | 1.00 | 200.000 | 0.010 | 0.48 | 0.09979 |
| CO-1007 | MH-1007 | MH-1008 | 487.84 | 486.51 | 486.42 | 150.0 | 19 | 1.23 | 200.000 | 0.010 | 0.56 | 0.17232 |
| CO-1008 | MH-1008 | MH-1009 | 487.85 | 486.42 | 486.31 | 150.0 | 22 | 1.34 | 200.000 | 0.010 | 0.57 | 0.18683 |
| CO-1516 | MH-1009 | MH-1516 | 487.85 | 486.31 | 486.27 | 150.0 | 8 | 1.40 | 200.000 | 0.010 | 0.59 | 0.20133 |
| CO-1517 | MH-1516 | MH-1517 | 487.81 | 486.27 | 486.21 | 150.0 | 11 | 1.33 | 200.000 | 0.010 | 0.60 | 0.21559 |
| CO-1521 | MH-1517 | MH-1521 | 487.63 | 485.87 | 485.79 | 150.0 | 16 | 1.51 | 200.000 | 0.010 | 0.64 | 0.27261 |
| CO-1522 | MH-1521 | MH-1515 | 487.34 | 485.79 | 485.66 | 150.0 | 25 | 1.54 | 200.000 | 0.010 | 0.65 | 0.28687 |
| CO-1014 | MH-1015 | MH-1016 | 488.37 | 487.22 | 487.01 | 150.0 | 23 | 1.00 | 111.088 | 0.010 | 0.33 | 0.01451 |
| CO-1015 | MH-1016 | MH-1011 | 488.16 | 487.01 | 486.86 | 150.0 | 18 | 1.00 | 122.699 | 0.010 | 0.39 | 0.02901 |
| CO-1515 | MH-1011 | MH-1515 | 488.01 | 486.55 | 486.34 | 150.0 | 17 | 1.15 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1524 | MH-1515 | MH-1522 | 487.49 | 485.66 | 485.55 | 150.0 | 22 | 1.86 | 200.000 | 0.010 | 0.68 | 0.34464 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1525 | MH-1522 | MH-1019 | 487.75 | 485.55 | 485.44 | 150.0 | 22 | 2.19 | 200.000 | 0.010 | 0.69 | 0.35890 |
| CO-1512 | MH-1512 | MH-1513 | 489.09 | 487.91 | 487.63 | 150.0 | 23 | 1.01 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1513 | MH-1513 | MH-1514 | 488.78 | 487.38 | 487.02 | 150.0 | 29 | 1.12 | 80.000 | 0.010 | 0.45 | 0.02851 |
| CO-1514 | MH-1514 | MH-1019 | 488.17 | 487.02 | 486.79 | 150.0 | 25 | 1.00 | 109.624 | 0.010 | 0.46 | 0.04277 |
| CO-1019 | MH-1019 | MH-1020 | 487.94 | 485.44 | 485.31 | 150.0 | 27 | 2.24 | 200.000 | 0.010 | 0.72 | 0.41617 |
| CO-1537 | MH-1020 | MH-1534 | 487.60 | 485.31 | 485.07 | 150.0 | 20 | 2.10 | 82.678 | 0.010 | 1.00 | 0.43068 |
| CO-1538 | MH-1534 | MH-1021 | 487.27 | 485.07 | 484.95 | 150.0 | 11 | 2.05 | 90.354 | 0.010 | 1.00 | 0.48770 |
| CO-1021 | MH-1021 | MH-1022 | 487.15 | 484.95 | 484.75 | 150.0 | 19 | 2.05 | 93.232 | 0.010 | 1.00 | 0.50221 |
| CO-1023 | MH-1022 | MH-1024 | 486.93 | 484.75 | 484.53 | 150.0 | 21 | 2.05 | 97.031 | 0.010 | 1.00 | 0.53122 |
| CO-1024 | MH-1024 | MH-1025 | 486.74 | 484.53 | 484.16 | 150.0 | 37 | 2.03 | 99.162 | 0.010 | 1.00 | 0.54573 |
| CO-1578 | MH-1565 | MH-1566 | 486.93 | 485.78 | 485.65 | 150.0 | 26 | 1.06 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1579 | MH-1566 | MH-1038 | 486.93 | 485.65 | 485.52 | 150.0 | 25 | 1.10 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1037 | MH-1038 | MH-1039 | 486.74 | 485.52 | 485.37 | 150.0 | 18 | 1.05 | 114.044 | 0.010 | 0.45 | 0.04302 |
| CO-1038 | MH-1039 | MH-1025 | 486.56 | 485.37 | 485.15 | 150.0 | 18 | 1.02 | 80.000 | 0.010 | 0.56 | 0.05752 |
| CO-1039 | MH-1025 | MH-1040 | 486.30 | 484.16 | 483.96 | 150.0 | 22 | 1.95 | 108.360 | 0.010 | 1.00 | 0.61776 |
| CO-1040 | MH-1040 | MH-1041 | 486.02 | 483.96 | 483.75 | 150.0 | 23 | 1.88 | 110.303 | 0.010 | 1.00 | 0.63226 |
| CO-1100 | MH-1562 | MH-1041 | 485.59 | 483.61 | 483.75 | 150.0 | 16 | 1.84 | 112.164 | 0.010 | 1.00 | 0.64677 |
| CO-1572 | MH-1112 | MH-1562 | 485.21 | 483.28 | 483.61 | 150.0 | 38 | 1.80 | 113.916 | 0.010 | 1.00 | 0.66103 |
| CO-1110 | MH-1112 | MH-1113 | 485.21 | 483.28 | 482.99 | 150.0 | 37 | 1.73 | 128.465 | 0.010 | 1.00 | 0.79058 |
| CO-1113 | MH-1113 | MH-1116 | 484.81 | 480.64 | 480.53 | 200.0 | 22 | 3.81 | 200.000 | 0.010 | 1.03 | 1.73122 |
| CO-1114 | MH-1116 | MH-1117 | 484.38 | 480.53 | 480.38 | 200.0 | 31 | 3.48 | 200.000 | 0.010 | 1.03 | 1.77424 |
| CO-1180 | MH-1117 | MH-1181 | 483.89 | 480.38 | 480.28 | 200.0 | 19 | 3.22 | 200.000 | 0.010 | 1.04 | 1.87578 |
| CO-1188 | MH-1181 | MH-1189 | 483.61 | 480.28 | 480.22 | 200.0 | 12 | 3.11 | 200.000 | 0.010 | 1.05 | 1.89029 |
| CO-1181 | MH-1182 | MH-1183 | 484.54 | 483.30 | 483.05 | 150.0 | 20 | 1.04 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1182 | MH-1183 | MH-1184 | 484.20 | 483.05 | 482.96 | 150.0 | 16 | 1.00 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1183 | MH-1184 | MH-1185 | 484.12 | 482.96 | 482.78 | 150.0 | 19 | 1.00 | 102.926 | 0.010 | 0.47 | 0.04352 |
| CO-1184 | MH-1185 | MH-1186 | 483.93 | 482.78 | 482.48 | 150.0 | 26 | 1.00 | 86.681 | 0.010 | 0.55 | 0.05802 |
| CO-1185 | MH-1186 | MH-1187 | 483.63 | 482.48 | 482.21 | 150.0 | 29 | 1.00 | 107.297 | 0.010 | 0.54 | 0.07253 |
| CO-1186 | MH-1187 | MH-1188 | 483.36 | 482.21 | 482.13 | 150.0 | 16 | 1.01 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1187 | MH-1188 | MH-1189 | 483.29 | 482.13 | 482.05 | 150.0 | 16 | 1.16 | 200.000 | 0.010 | 0.48 | 0.10154 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1189 | MH-1189 | MH-1190 | 483.52 | 480.22 | 480.08 | 200.0 | 28 | 3.21 | 200.000 | 0.010 | 1.06 | 2.00633 |
| CO-1190 | MH-1190 | MH-1191 | 483.61 | 480.08 | 479.94 | 200.0 | 30 | 2.94 | 200.000 | 0.010 | 1.08 | 2.29245 |
| CO-1207 | MH-1191 | MH-1100 | 482.70 | 479.94 | 479.80 | 200.0 | 28 | 2.29 | 200.000 | 0.010 | 1.09 | 2.53906 |
| CO-1567 | MH-1557 | MH-1558 | 483.07 | 481.92 | 481.85 | 150.0 | 13 | 1.04 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1568 | MH-1558 | MH-1559 | 483.08 | 481.57 | 481.39 | 150.0 | 15 | 1.18 | 80.000 | 0.010 | 0.45 | 0.02851 |
| CO-1571 | MH-1559 | MH-1560 | 482.54 | 481.37 | 481.12 | 150.0 | 20 | 1.01 | 80.000 | 0.010 | 0.51 | 0.04277 |
| CO-1097 | MH-1098 | MH-1097 | 483.05 | 481.72 | 481.34 | 150.0 | 30 | 1.09 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1094 | MH-1095 | MH-1094 | 483.30 | 482.15 | 481.94 | 150.0 | 32 | 1.00 | 148.542 | 0.010 | 0.30 | 0.01451 |
| CO-1085 | MH-1087 | MH-1088 | 483.97 | 482.82 | 482.64 | 150.0 | 36 | 1.24 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1086 | MH-1088 | MH-1086 | 484.27 | 482.64 | 482.50 | 150.0 | 28 | 1.66 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1079 | MH-1080 | MH-1081 | 486.12 | 484.49 | 484.24 | 150.0 | 20 | 1.24 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1080 | MH-1081 | MH-1082 | 485.39 | 483.79 | 483.38 | 150.0 | 33 | 1.22 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1081 | MH-1082 | MH-1083 | 484.53 | 483.38 | 483.30 | 150.0 | 16 | 1.15 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1083 | MH-1083 | MH-1085 | 484.74 | 483.30 | 483.19 | 150.0 | 22 | 1.30 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1084 | MH-1085 | MH-1086 | 484.64 | 483.19 | 483.09 | 150.0 | 20 | 1.27 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1087 | MH-1086 | MH-1089 | 484.48 | 482.50 | 482.37 | 150.0 | 26 | 1.94 | 200.000 | 0.010 | 0.50 | 0.11605 |
| CO-1088 | MH-1089 | MH-1090 | 484.57 | 482.37 | 482.26 | 150.0 | 22 | 2.12 | 200.000 | 0.010 | 0.52 | 0.13055 |
| CO-1089 | MH-1090 | MH-1091 | 484.61 | 482.26 | 482.11 | 150.0 | 30 | 2.25 | 200.000 | 0.010 | 0.54 | 0.14506 |
| CO-1090 | MH-1091 | MH-1079 | 484.56 | 482.11 | 481.92 | 150.0 | 38 | 2.13 | 200.000 | 0.010 | 0.55 | 0.15957 |
| CO-1526 | MH-1523 | MH-1524 | 487.29 | 486.14 | 485.97 | 150.0 | 14 | 1.00 | 82.210 | 0.010 | 0.36 | 0.01426 |
| CO-1527 | MH-1524 | MH-1525 | 487.12 | 485.97 | 485.89 | 150.0 | 16 | 1.05 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1528 | MH-1525 | MH-1526 | 487.14 | 485.89 | 485.67 | 150.0 | 27 | 1.05 | 125.652 | 0.010 | 0.44 | 0.04277 |
| CO-1529 | MH-1526 | MH-1527 | 486.82 | 485.67 | 485.56 | 150.0 | 13 | 1.00 | 118.264 | 0.010 | 0.49 | 0.05702 |
| CO-1530 | MH-1527 | MH-1528 | 486.71 | 485.56 | 485.39 | 150.0 | 28 | 1.00 | 157.709 | 0.010 | 0.47 | 0.07128 |
| CO-1531 | MH-1528 | MH-1529 | 486.54 | 485.39 | 485.25 | 150.0 | 15 | 1.00 | 111.964 | 0.010 | 0.56 | 0.08554 |
| CO-1533 | MH-1529 | MH-1530 | 486.40 | 484.95 | 484.69 | 150.0 | 21 | 1.15 | 80.000 | 0.010 | 0.66 | 0.09979 |
| CO-1534 | MH-1530 | MH-1056 | 485.84 | 484.37 | 484.07 | 150.0 | 24 | 1.16 | 80.000 | 0.010 | 0.69 | 0.11405 |
| CO-1553 | MH-1056 | MH-1058 | 485.22 | 484.07 | 483.65 | 150.0 | 34 | 1.00 | 80.779 | 0.010 | 0.71 | 0.12855 |
| CO-1547 | MH-1540 | MH-1541 | 486.77 | 485.13 | 484.89 | 150.0 | 20 | 1.25 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1548 | MH-1541 | MH-1068 | 486.04 | 484.89 | 484.74 | 150.0 | 22 | 1.00 | 149.284 | 0.010 | 0.36 | 0.02851 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1540 | MH-1535 | MH-1536 | 487.83 | 486.68 | 486.58 | 150.0 | 17 | 1.00 | 179.811 | 0.010 | 0.28 | 0.01426 |
| CO-1543 | MH-1536 | MH-1538 | 487.73 | 486.22 | 486.01 | 150.0 | 17 | 1.18 | 80.000 | 0.010 | 0.45 | 0.02851 |
| CO-1544 | MH-1538 | MH-1539 | 487.16 | 485.57 | 485.31 | 150.0 | 21 | 1.22 | 80.000 | 0.010 | 0.51 | 0.04277 |
| CO-1546 | MH-1539 | MH-1065 | 486.46 | 485.31 | 485.20 | 150.0 | 21 | 1.10 | 200.000 | 0.010 | 0.41 | 0.05702 |
| CO-1064 | MH-1065 | MH-1066 | 486.54 | 485.20 | 485.13 | 150.0 | 15 | 1.18 | 200.000 | 0.010 | 0.43 | 0.07153 |
| CO-1065 | MH-1066 | MH-1067 | 486.44 | 485.13 | 484.95 | 150.0 | 32 | 1.08 | 186.609 | 0.010 | 0.47 | 0.08604 |
| CO-1066 | MH-1067 | MH-1068 | 486.10 | 484.95 | 484.74 | 150.0 | 31 | 1.00 | 146.920 | 0.010 | 0.53 | 0.10054 |
| CO-1549 | MH-1068 | MH-1542 | 485.89 | 484.74 | 484.55 | 150.0 | 23 | 1.00 | 123.305 | 0.010 | 0.63 | 0.14356 |
| CO-1552 | MH-1542 | MH-1543 | 485.70 | 484.20 | 483.89 | 150.0 | 25 | 1.18 | 80.000 | 0.010 | 0.75 | 0.15782 |
| CO-1071 | MH-1073 | MH-1074 | 485.57 | 484.42 | 484.31 | 150.0 | 23 | 1.06 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1073 | MH-1074 | MH-1076 | 485.57 | 484.31 | 484.19 | 150.0 | 24 | 1.10 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1074 | MH-1076 | MH-1070 | 485.43 | 484.19 | 484.08 | 150.0 | 22 | 1.05 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1550 | MH-1070 | MH-1543 | 485.25 | 484.08 | 483.89 | 150.0 | 19 | 1.01 | 95.861 | 0.010 | 0.53 | 0.05802 |
| CO-1551 | MH-1543 | MH-1077 | 485.04 | 483.89 | 483.78 | 150.0 | 12 | 1.00 | 113.361 | 0.010 | 0.75 | 0.23010 |
| CO-1076 | MH-1077 | MH-1058 | 484.93 | 483.78 | 483.65 | 150.0 | 22 | 1.00 | 161.986 | 0.010 | 0.67 | 0.24460 |
| CO-1077 | MH-1058 | MH-1078 | 484.80 | 483.49 | 483.13 | 150.0 | 29 | 1.08 | 80.000 | 0.010 | 0.98 | 0.38766 |
| CO-1078 | MH-1078 | MH-1079 | 484.28 | 483.13 | 482.88 | 150.0 | 20 | 1.00 | 80.066 | 0.010 | 0.99 | 0.40217 |
| CO-1091 | MH-1079 | MH-1092 | 484.03 | 481.92 | 481.71 | 150.0 | 21 | 1.91 | 103.290 | 0.010 | 1.00 | 0.57624 |
| CO-1092 | MH-1092 | MH-1093 | 483.72 | 481.71 | 481.46 | 150.0 | 27 | 1.90 | 105.091 | 0.010 | 1.00 | 0.59075 |
| CO-1093 | MH-1093 | MH-1094 | 483.55 | 481.46 | 481.17 | 150.0 | 30 | 1.86 | 106.809 | 0.010 | 1.00 | 0.60525 |
| CO-1095 | MH-1094 | MH-1096 | 483.09 | 481.17 | 480.98 | 150.0 | 21 | 1.73 | 110.570 | 0.010 | 1.00 | 0.63426 |
| CO-1096 | MH-1096 | MH-1097 | 482.82 | 480.98 | 480.80 | 150.0 | 21 | 1.62 | 112.418 | 0.010 | 1.00 | 0.64877 |
| CO-1569 | MH-1097 | MH-1560 | 482.49 | 480.80 | 480.69 | 150.0 | 12 | 1.49 | 115.888 | 0.010 | 1.00 | 0.67778 |
| CO-1570 | MH-1560 | MH-1099 | 482.27 | 480.69 | 480.56 | 150.0 | 16 | 1.42 | 122.459 | 0.010 | 1.00 | 0.73481 |
| CO-1099 | MH-1099 | MH-1100 | 482.10 | 480.56 | 480.46 | 150.0 | 12 | 1.39 | 124.102 | 0.010 | 1.00 | 0.74931 |
| CO-1221 | MH-1100 | MH-1221 | 482.01 | 479.75 | 479.55 | 250.0 | 39 | 1.74 | 200.000 | 0.010 | 1.22 | 3.49145 |
| CO-1246 | MH-1221 | MH-1247 | 481.27 | 479.55 | 479.46 | 250.0 | 18 | 1.45 | 200.000 | 0.010 | 1.24 | 3.76707 |
| CO-1247 | MH-1247 | MH-1248 | 481.14 | 479.46 | 479.37 | 250.0 | 17 | 1.56 | 200.000 | 0.010 | 1.24 | 3.78157 |
| CO-1248 | MH-1248 | MH-1228 | 481.30 | 479.37 | 479.30 | 250.0 | 15 | 1.77 | 200.000 | 0.010 | 1.24 | 3.79608 |
| CO-1222 | MH-1222 | MH-1223 | 481.64 | 480.49 | 480.38 | 150.0 | 21 | 1.21 | 200.000 | 0.010 | 0.27 | 0.01451 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1223 | MH-1223 | MH-1224 | 481.95 | 480.38 | 480.31 | 150.0 | 16 | 1.55 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1224 | MH-1224 | MH-1225 | 482.14 | 480.31 | 480.24 | 150.0 | 14 | 1.64 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1225 | MH-1225 | MH-1226 | 481.97 | 480.24 | 480.09 | 150.0 | 30 | 1.47 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1226 | MH-1226 | MH-1227 | 481.59 | 480.09 | 479.94 | 150.0 | 30 | 1.32 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1227 | MH-1227 | MH-1228 | 481.37 | 479.94 | 479.86 | 150.0 | 15 | 1.34 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1249 | MH-1228 | MH-1249 | 481.40 | 479.30 | 479.18 | 250.0 | 23 | 1.66 | 200.000 | 0.010 | 1.24 | 3.89762 |
| CO-1250 | MH-1249 | MH-1250 | 480.90 | 479.18 | 479.13 | 250.0 | 10 | 1.43 | 200.000 | 0.010 | 1.24 | 3.91213 |
| CO-1251 | MH-1250 | MH-1251 | 480.76 | 479.13 | 479.08 | 250.0 | 11 | 1.35 | 200.000 | 0.010 | 1.25 | 3.92663 |
| CO-1252 | MH-1251 | MH-1252 | 480.65 | 479.08 | 478.89 | 250.0 | 37 | 1.20 | 200.000 | 0.010 | 1.25 | 3.94114 |
| CO-1253 | MH-1252 | MH-1253 | 480.23 | 478.89 | 478.81 | 250.0 | 16 | 1.04 | 193.385 | 0.010 | 1.26 | 3.95564 |
| CO-1254 | MH-1253 | MH-1254 | 480.06 | 478.81 | 478.20 | 250.0 | 51 | 1.28 | 83.251 | 0.010 | 1.76 | 3.97015 |
| CO-1255 | MH-1254 | MH-1255 | 480.01 | 478.20 | 477.85 | 250.0 | 28 | 1.28 | 80.000 | 0.010 | 1.79 | 3.98466 |
| CO-1256 | MH-1255 | MH-1256 | 479.10 | 477.85 | 477.69 | 250.0 | 33 | 1.18 | 200.000 | 0.010 | 1.25 | 3.99916 |
| CO-1257 | MH-1256 | MH-1257 | 479.31 | 477.69 | 477.57 | 250.0 | 20 | 1.18 | 159.538 | 0.010 | 1.37 | 4.01367 |
| CO-1258 | MH-1257 | MH-1258 | 478.82 | 477.57 | 477.22 | 250.0 | 35 | 1.00 | 100.745 | 0.010 | 1.64 | 4.02817 |
| CO-1259 | MH-1258 | MH-1259 | 478.47 | 477.22 | 477.06 | 250.0 | 25 | 1.00 | 158.262 | 0.010 | 1.38 | 4.04268 |
| CO-1597 | MH-1259 | MH-1582 | 478.31 | 477.06 | 476.92 | 250.0 | 15 | 1.00 | 110.923 | 0.010 | 1.59 | 4.05719 |
| CO-1598 | MH-1582 | MH-1583 | 478.17 | 476.92 | 476.77 | 250.0 | 30 | 1.21 | 200.000 | 0.010 | 1.25 | 4.07144 |
| CO-1599 | MH-1583 | MH-1584 | 478.43 | 476.77 | 476.62 | 250.0 | 31 | 1.66 | 200.000 | 0.010 | 1.25 | 4.08570 |
| CO-1600 | MH-1584 | MH-1585 | 478.79 | 476.62 | 476.45 | 250.0 | 34 | 2.39 | 200.000 | 0.010 | 1.25 | 4.09995 |
| CO-1601 | MH-1585 | MH-1458 | 479.56 | 476.45 | 476.29 | 250.0 | 32 | 2.74 | 200.000 | 0.010 | 1.25 | 4.11421 |
| CO-1451 | MH-1453 | MH-1454 | 481.40 | 480.15 | 479.87 | 150.0 | 23 | 1.05 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1452 | MH-1454 | MH-1455 | 481.02 | 479.86 | 479.48 | 150.0 | 30 | 1.00 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1453 | MH-1455 | MH-1456 | 480.63 | 479.48 | 479.22 | 150.0 | 30 | 1.00 | 115.792 | 0.010 | 0.45 | 0.04352 |
| CO-1454 | MH-1456 | MH-1457 | 480.37 | 479.22 | 479.09 | 150.0 | 26 | 1.05 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1455 | MH-1457 | MH-1452 | 480.34 | 479.09 | 478.99 | 150.0 | 19 | 1.05 | 179.818 | 0.010 | 0.45 | 0.07253 |
| CO-1604 | MH-1587 | MH-1588 | 478.29 | 477.14 | 476.88 | 150.0 | 53 | 1.87 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1605 | MH-1588 | MH-1446 | 479.76 | 476.88 | 476.71 | 150.0 | 33 | 3.24 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1445 | MH-1447 | MH-1448 | 481.57 | 480.42 | 480.23 | 150.0 | 24 | 1.00 | 128.500 | 0.010 | 0.31 | 0.01451 |
| CO-1446 | MH-1448 | MH-1449 | 481.38 | 480.23 | 480.08 | 150.0 | 31 | 1.03 | 200.000 | 0.010 | 0.33 | 0.02901 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1447 | MH-1449 | MH-1450 | 481.30 | 480.08 | 479.93 | 150.0 | 30 | 1.05 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1448 | MH-1450 | MH-1451 | 481.10 | 479.93 | 479.60 | 150.0 | 30 | 1.02 | 88.252 | 0.010 | 0.54 | 0.05802 |
| CO-1449 | MH-1451 | MH-1446 | 480.76 | 479.60 | 479.46 | 150.0 | 11 | 1.01 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1439 | MH-1441 | MH-1442 | 482.00 | 480.85 | 480.73 | 150.0 | 23 | 1.07 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1440 | MH-1442 | MH-1443 | 482.01 | 480.73 | 480.58 | 150.0 | 30 | 1.24 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1441 | MH-1443 | MH-1444 | 482.07 | 480.58 | 480.43 | 150.0 | 30 | 1.22 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1442 | MH-1444 | MH-1445 | 481.68 | 480.43 | 480.10 | 150.0 | 29 | 1.05 | 87.468 | 0.010 | 0.55 | 0.05802 |
| CO-1443 | MH-1445 | MH-1440 | 481.25 | 480.00 | 479.89 | 150.0 | 9 | 1.05 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1606 | MH-1589 | MH-1590 | 480.05 | 478.90 | 478.73 | 150.0 | 34 | 1.30 | 200.000 | 0.010 | 0.27 | 0.01426 |
| CO-1607 | MH-1590 | MH-1434 | 480.47 | 478.73 | 478.54 | 150.0 | 37 | 2.17 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1433 | MH-1435 | MH-1436 | 482.71 | 481.56 | 481.45 | 150.0 | 23 | 1.06 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1434 | MH-1436 | MH-1437 | 482.71 | 481.45 | 481.29 | 150.0 | 31 | 1.08 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1435 | MH-1437 | MH-1438 | 482.48 | 481.29 | 481.03 | 150.0 | 29 | 1.02 | 110.528 | 0.010 | 0.46 | 0.04352 |
| CO-1436 | MH-1438 | MH-1439 | 482.18 | 480.80 | 480.42 | 150.0 | 30 | 1.11 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1437 | MH-1439 | MH-1434 | 481.57 | 480.34 | 480.28 | 150.0 | 5 | 1.04 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1426 | MH-1428 | MH-1429 | 483.45 | 482.30 | 482.04 | 150.0 | 30 | 1.00 | 115.804 | 0.010 | 0.32 | 0.01451 |
| CO-1427 | MH-1429 | MH-1430 | 483.19 | 482.04 | 481.66 | 150.0 | 30 | 1.00 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1428 | MH-1430 | MH-1431 | 482.81 | 481.60 | 481.23 | 150.0 | 30 | 1.03 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1429 | MH-1431 | MH-1432 | 482.38 | 481.23 | 481.16 | 150.0 | 14 | 1.01 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1430 | MH-1432 | MH-1427 | 482.32 | 480.97 | 480.76 | 150.0 | 16 | 1.10 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1415 | MH-1417 | MH-1418 | 483.83 | 482.64 | 482.34 | 150.0 | 23 | 1.02 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1416 | MH-1418 | MH-1419 | 483.49 | 482.17 | 481.80 | 150.0 | 30 | 1.08 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1417 | MH-1419 | MH-1420 | 482.95 | 481.78 | 481.56 | 150.0 | 18 | 1.01 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1418 | MH-1421 | MH-1422 | 483.99 | 482.81 | 482.57 | 150.0 | 19 | 1.01 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1419 | MH-1422 | MH-1423 | 483.72 | 482.44 | 482.08 | 150.0 | 30 | 1.06 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1420 | MH-1423 | MH-1424 | 483.23 | 481.90 | 481.56 | 150.0 | 27 | 1.09 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1421 | MH-1424 | MH-1420 | 482.71 | 481.56 | 481.40 | 150.0 | 32 | 1.08 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1422 | MH-1420 | MH-1425 | 482.71 | 481.40 | 481.31 | 150.0 | 19 | 1.11 | 200.000 | 0.010 | 0.50 | 0.11605 |
| CO-1423 | MH-1425 | MH-1416 | 482.52 | 481.31 | 481.26 | 150.0 | 8 | 1.03 | 171.003 | 0.010 | 0.55 | 0.13055 |
| CO-1412 | MH-1413 | MH-1414 | 482.96 | 481.81 | 481.60 | 150.0 | 20 | 1.00 | 90.157 | 0.010 | 0.35 | 0.01451 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1413 | MH-1414 | MH-1415 | 482.75 | 481.60 | 481.21 | 150.0 | 32 | 1.00 | 83.539 | 0.010 | 0.45 | 0.02901 |
| CO-1414 | MH-1415 | MH-1416 | 482.36 | 481.21 | 481.09 | 150.0 | 24 | 1.09 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1424 | MH-1416 | MH-1426 | 482.41 | 481.09 | 480.91 | 150.0 | 35 | 1.10 | 200.000 | 0.010 | 0.58 | 0.18858 |
| CO-1425 | MH-1426 | MH-1427 | 482.08 | 480.91 | 480.76 | 150.0 | 20 | 1.01 | 136.486 | 0.010 | 0.67 | 0.20308 |
| CO-1431 | MH-1427 | MH-1433 | 481.91 | 480.76 | 480.49 | 150.0 | 30 | 1.02 | 110.613 | 0.010 | 0.81 | 0.29012 |
| CO-1432 | MH-1433 | MH-1434 | 481.68 | 480.49 | 480.28 | 150.0 | 17 | 1.02 | 80.000 | 0.010 | 0.91 | 0.30463 |
| CO-1438 | MH-1434 | MH-1440 | 481.43 | 478.54 | 478.17 | 150.0 | 30 | 2.73 | 81.348 | 0.010 | 1.00 | 0.42017 |
| CO-1444 | MH-1440 | MH-1446 | 481.04 | 478.17 | 477.87 | 150.0 | 28 | 2.65 | 93.870 | 0.010 | 1.00 | 0.50721 |
| CO-1450 | MH-1446 | MH-1452 | 480.61 | 476.71 | 476.46 | 150.0 | 27 | 3.63 | 109.039 | 0.010 | 1.00 | 0.62276 |
| CO-1456 | MH-1452 | MH-1458 | 480.14 | 476.46 | 476.09 | 150.0 | 44 | 3.22 | 119.506 | 0.010 | 1.00 | 0.70979 |
| CO-1461 | MH-1464 | MH-1463 | 480.05 | 478.49 | 478.11 | 150.0 | 30 | 1.21 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1457 | MH-1459 | MH-1460 | 480.92 | 479.59 | 479.33 | 150.0 | 21 | 1.09 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1458 | MH-1460 | MH-1461 | 480.48 | 478.94 | 478.56 | 150.0 | 30 | 1.19 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1459 | MH-1461 | MH-1462 | 479.71 | 478.56 | 478.20 | 150.0 | 30 | 1.00 | 84.295 | 0.010 | 0.51 | 0.04352 |
| CO-1460 | MH-1462 | MH-1463 | 479.35 | 478.20 | 478.08 | 150.0 | 24 | 1.02 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1462 | MH-1463 | MH-1458 | 479.26 | 478.08 | 477.90 | 150.0 | 36 | 1.07 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1602 | MH-1458 | MH-1465 | 479.15 | 475.94 | 475.81 | 300.0 | 27 | 2.81 | 200.000 | 0.011 | 1.24 | 4.92555 |
| CO-1464 | MH-1466 | MH-1467 | 480.44 | 479.29 | 479.10 | 150.0 | 22 | 1.00 | 116.470 | 0.010 | 0.32 | 0.01451 |
| CO-1465 | MH-1467 | MH-1468 | 480.25 | 478.90 | 478.52 | 150.0 | 30 | 1.10 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1466 | MH-1468 | MH-1469 | 479.67 | 478.46 | 478.22 | 150.0 | 20 | 1.03 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1467 | MH-1469 | MH-1470 | 479.37 | 478.22 | 477.96 | 150.0 | 23 | 1.00 | 89.565 | 0.010 | 0.54 | 0.05802 |
| CO-1468 | MH-1470 | MH-1471 | 479.11 | 477.96 | 477.78 | 150.0 | 18 | 1.00 | 101.244 | 0.010 | 0.55 | 0.07253 |
| CO-1469 | MH-1471 | MH-1472 | 478.93 | 477.78 | 477.68 | 150.0 | 19 | 1.00 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1470 | MH-1472 | MH-1465 | 478.84 | 477.68 | 477.62 | 150.0 | 12 | 1.02 | 200.000 | 0.010 | 0.48 | 0.10154 |
| CO-1471 | MH-1465 | MH-1473 | 478.81 | 475.81 | 475.66 | 300.0 | 30 | 2.56 | 200.000 | 0.011 | 1.24 | 5.04159 |
| CO-1475 | MH-1478 | MH-1477 | 479.31 | 478.16 | 478.02 | 150.0 | 19 | 1.00 | 133.169 | 0.010 | 0.31 | 0.01451 |
| CO-1472 | MH-1474 | MH-1475 | 480.29 | 478.81 | 478.50 | 150.0 | 25 | 1.16 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1473 | MH-1475 | MH-1476 | 479.65 | 478.50 | 478.22 | 150.0 | 30 | 1.00 | 106.137 | 0.010 | 0.41 | 0.02901 |
| CO-1474 | MH-1476 | MH-1477 | 479.37 | 478.22 | 478.02 | 150.0 | 22 | 1.00 | 107.753 | 0.010 | 0.46 | 0.04352 |
| CO-1476 | MH-1477 | MH-1479 | 479.17 | 478.02 | 477.94 | 150.0 | 9 | 1.00 | 120.489 | 0.010 | 0.52 | 0.07253 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1477 | MH-1479 | MH-1480 | 479.09 | 477.85 | 477.47 | 150.0 | 30 | 1.05 | 80.000 | 0.010 | 0.63 | 0.08704 |
| CO-1478 | MH-1480 | MH-1481 | 478.62 | 477.47 | 477.34 | 150.0 | 18 | 1.00 | 127.596 | 0.010 | 0.56 | 0.10154 |
| CO-1479 | MH-1481 | MH-1473 | 478.49 | 477.34 | 477.23 | 150.0 | 16 | 1.00 | 158.628 | 0.010 | 0.54 | 0.11605 |
| CO-1480 | MH-1473 | MH-1482 | 478.38 | 475.66 | 475.54 | 300.0 | 23 | 2.48 | 200.000 | 0.011 | 1.25 | 5.17215 |
| CO-1487 | MH-1482 | MH-1489 | 478.37 | 475.54 | 475.37 | 300.0 | 34 | 2.28 | 200.000 | 0.011 | 1.26 | 5.27369 |
| CO-1488 | MH-1489 | MH-1270 | 477.70 | 475.37 | 475.27 | 300.0 | 20 | 1.86 | 200.000 | 0.011 | 1.26 | 5.28820 |
| CO-1603 | MH-1270 | MH-1490 | 477.26 | 475.27 | 475.20 | 300.0 | 14 | 1.72 | 200.000 | 0.011 | 1.26 | 5.30270 |
| CO-1407 | MH-1409 | MH-1408 | 481.65 | 480.50 | 480.16 | 150.0 | 29 | 1.11 | 83.038 | 0.010 | 0.36 | 0.01451 |
| CO-1405 | MH-1406 | MH-1407 | 481.55 | 480.40 | 480.28 | 150.0 | 24 | 1.16 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1406 | MH-1407 | MH-1408 | 481.74 | 480.28 | 480.16 | 150.0 | 24 | 1.27 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1408 | MH-1408 | MH-1410 | 481.52 | 480.16 | 479.99 | 150.0 | 19 | 1.11 | 116.117 | 0.010 | 0.49 | 0.05802 |
| CO-1409 | MH-1410 | MH-1411 | 481.14 | 479.69 | 479.32 | 150.0 | 29 | 1.15 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1410 | MH-1411 | MH-1412 | 480.47 | 479.32 | 479.00 | 150.0 | 30 | 1.00 | 93.871 | 0.010 | 0.60 | 0.08704 |
| CO-1411 | MH-1412 | MH-1405 | 480.15 | 479.00 | 478.67 | 150.0 | 30 | 1.00 | 91.220 | 0.010 | 0.63 | 0.10154 |
| CO-1397 | MH-1398 | MH-1399 | 482.02 | 480.87 | 480.71 | 150.0 | 31 | 1.11 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1398 | MH-1399 | MH-1400 | 482.08 | 480.71 | 480.58 | 150.0 | 27 | 1.12 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1399 | MH-1401 | MH-1400 | 482.25 | 480.92 | 480.59 | 150.0 | 27 | 1.09 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1400 | MH-1400 | MH-1402 | 481.74 | 480.32 | 479.91 | 150.0 | 33 | 1.13 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1401 | MH-1402 | MH-1403 | 481.06 | 479.82 | 479.45 | 150.0 | 29 | 1.04 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1402 | MH-1403 | MH-1404 | 480.60 | 479.45 | 479.27 | 150.0 | 19 | 1.00 | 105.859 | 0.010 | 0.58 | 0.08704 |
| CO-1403 | MH-1404 | MH-1397 | 480.42 | 479.27 | 478.98 | 150.0 | 30 | 1.00 | 103.084 | 0.010 | 0.61 | 0.10154 |
| CO-1375 | MH-1377 | MH-1378 | 484.11 | 482.96 | 482.72 | 150.0 | 26 | 1.00 | 110.191 | 0.010 | 0.33 | 0.01451 |
| CO-1621 | MH-1604 | MH-1345 | 484.97 | 483.82 | 483.74 | 150.0 | 9 | 1.00 | 110.667 | 0.010 | 0.33 | 0.01426 |
| CO-1339 | MH-1342 | MH-1343 | 482.51 | 481.36 | 481.22 | 150.0 | 27 | 1.37 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1340 | MH-1343 | MH-1344 | 483.12 | 481.22 | 481.07 | 150.0 | 30 | 2.24 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1341 | MH-1344 | MH-1341 | 483.96 | 481.07 | 480.97 | 150.0 | 20 | 3.04 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1342 | MH-1341 | MH-1345 | 484.47 | 480.97 | 480.85 | 150.0 | 24 | 3.62 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1622 | MH-1345 | MH-1605 | 484.89 | 480.85 | 480.77 | 150.0 | 17 | 3.99 | 200.000 | 0.010 | 0.46 | 0.08679 |
| CO-1623 | MH-1605 | MH-1606 | 485.00 | 480.77 | 480.63 | 150.0 | 27 | 3.91 | 200.000 | 0.010 | 0.48 | 0.10104 |
| CO-1624 | MH-1606 | MH-1607 | 484.51 | 480.63 | 480.54 | 150.0 | 18 | 3.62 | 200.000 | 0.010 | 0.50 | 0.11530 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1625 | MH-1607 | MH-1608 | 484.20 | 480.54 | 480.39 | 150.0 | 30 | 3.40 | 200.000 | 0.010 | 0.52 | 0.12955 |
| CO-1626 | MH-1608 | MH-1609 | 483.83 | 480.39 | 480.23 | 150.0 | 32 | 3.21 | 200.000 | 0.010 | 0.53 | 0.14381 |
| CO-1627 | MH-1609 | MH-1603 | 483.50 | 480.23 | 480.14 | 150.0 | 19 | 3.44 | 200.000 | 0.010 | 0.55 | 0.15807 |
| CO-1616 | MH-1599 | MH-1600 | 485.21 | 483.72 | 483.30 | 150.0 | 34 | 1.17 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1617 | MH-1600 | MH-1601 | 484.45 | 483.24 | 482.87 | 150.0 | 30 | 1.03 | 80.000 | 0.010 | 0.45 | 0.02851 |
| CO-1618 | MH-1601 | MH-1602 | 484.02 | 482.87 | 482.64 | 150.0 | 31 | 1.00 | 137.183 | 0.010 | 0.42 | 0.04277 |
| CO-1619 | MH-1602 | MH-1603 | 483.79 | 482.64 | 482.60 | 150.0 | 9 | 1.15 | 200.000 | 0.010 | 0.41 | 0.05702 |
| CO-1620 | MH-1603 | MH-1378 | 484.04 | 480.14 | 480.05 | 150.0 | 16 | 3.71 | 200.000 | 0.010 | 0.61 | 0.22935 |
| CO-1376 | MH-1378 | MH-1379 | 483.87 | 480.05 | 479.89 | 150.0 | 32 | 3.67 | 200.000 | 0.010 | 0.63 | 0.25836 |
| CO-1377 | MH-1379 | MH-1380 | 483.72 | 479.89 | 479.79 | 150.0 | 20 | 3.60 | 200.000 | 0.010 | 0.64 | 0.27286 |
| CO-1378 | MH-1380 | MH-1381 | 483.46 | 479.79 | 479.65 | 150.0 | 29 | 3.33 | 200.000 | 0.010 | 0.65 | 0.28737 |
| CO-1379 | MH-1381 | MH-1376 | 482.93 | 479.65 | 479.54 | 150.0 | 20 | 2.98 | 200.000 | 0.010 | 0.66 | 0.30188 |
| CO-1370 | MH-1372 | MH-1373 | 484.42 | 483.27 | 482.99 | 150.0 | 24 | 1.00 | 84.826 | 0.010 | 0.36 | 0.01451 |
| CO-1371 | MH-1373 | MH-1374 | 484.14 | 482.99 | 482.35 | 150.0 | 53 | 1.12 | 82.573 | 0.010 | 0.45 | 0.02901 |
| CO-1372 | MH-1374 | MH-1375 | 483.74 | 482.35 | 481.97 | 150.0 | 30 | 1.12 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1373 | MH-1375 | MH-1371 | 483.12 | 481.74 | 481.49 | 150.0 | 20 | 1.12 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1615 | MH-1598 | MH-1367 | 484.89 | 483.70 | 483.34 | 150.0 | 28 | 1.02 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1365 | MH-1367 | MH-1368 | 484.49 | 483.34 | 483.07 | 150.0 | 27 | 1.00 | 98.211 | 0.010 | 0.42 | 0.02876 |
| CO-1366 | MH-1368 | MH-1369 | 484.22 | 482.87 | 482.50 | 150.0 | 29 | 1.10 | 80.000 | 0.010 | 0.51 | 0.04327 |
| CO-1367 | MH-1369 | MH-1370 | 483.65 | 482.13 | 481.74 | 150.0 | 30 | 1.19 | 80.000 | 0.010 | 0.56 | 0.05777 |
| CO-1368 | MH-1370 | MH-1363 | 482.89 | 481.59 | 481.36 | 150.0 | 18 | 1.08 | 80.000 | 0.010 | 0.60 | 0.07228 |
| CO-1608 | MH-1591 | MH-1592 | 484.94 | 483.77 | 483.67 | 150.0 | 8 | 1.01 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1609 | MH-1592 | MH-1593 | 484.82 | 483.67 | 483.58 | 150.0 | 18 | 1.01 | 200.000 | 0.010 | 0.33 | 0.02851 |
| CO-1610 | MH-1593 | MH-1594 | 484.75 | 483.37 | 483.01 | 150.0 | 29 | 1.11 | 80.000 | 0.010 | 0.51 | 0.04277 |
| CO-1611 | MH-1594 | MH-1359 | 484.16 | 482.94 | 482.52 | 150.0 | 34 | 1.03 | 80.000 | 0.010 | 0.56 | 0.05702 |
| CO-1358 | MH-1359 | MH-1360 | 483.67 | 482.42 | 482.04 | 150.0 | 30 | 1.05 | 80.000 | 0.010 | 0.60 | 0.07153 |
| CO-1359 | MH-1360 | MH-1361 | 483.19 | 482.04 | 481.97 | 150.0 | 7 | 1.00 | 91.121 | 0.010 | 0.60 | 0.08604 |
| CO-1360 | MH-1361 | MH-1362 | 483.12 | 481.82 | 481.61 | 150.0 | 17 | 1.07 | 80.000 | 0.010 | 0.66 | 0.10054 |
| CO-1613 | MH-1595 | MH-1596 | 483.34 | 482.08 | 481.84 | 150.0 | 20 | 1.05 | 80.000 | 0.010 | 0.37 | 0.01426 |
| CO-1614 | MH-1596 | MH-1362 | 482.99 | 481.84 | 481.61 | 150.0 | 20 | 1.00 | 86.298 | 0.010 | 0.44 | 0.02851 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1361 | MH-1362 | MH-1363 | 482.76 | 481.61 | 481.36 | 150.0 | 26 | 1.00 | 105.275 | 0.010 | 0.67 | 0.14356 |
| CO-1369 | MH-1363 | MH-1371 | 482.51 | 481.36 | 481.20 | 150.0 | 32 | 1.14 | 200.000 | 0.010 | 0.61 | 0.23035 |
| CO-1374 | MH-1371 | MH-1376 | 482.64 | 481.20 | 481.07 | 150.0 | 26 | 1.30 | 200.000 | 0.010 | 0.66 | 0.30288 |
| CO-1380 | MH-1376 | MH-1382 | 482.53 | 479.54 | 479.26 | 150.0 | 31 | 2.66 | 108.564 | 0.010 | 1.00 | 0.61926 |
| CO-1381 | MH-1382 | MH-1358 | 481.91 | 479.26 | 478.88 | 150.0 | 42 | 2.26 | 110.503 | 0.010 | 1.00 | 0.63376 |
| CO-1353 | MH-1354 | MH-1353 | 482.35 | 481.10 | 480.74 | 150.0 | 29 | 1.05 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1320 | MH-1322 | MH-1323 | 484.75 | 483.60 | 483.53 | 150.0 | 14 | 1.06 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1321 | MH-1323 | MH-1324 | 484.81 | 483.53 | 483.38 | 150.0 | 31 | 1.26 | 200.000 | 0.010 | 0.33 | 0.02901 |
| CO-1322 | MH-1324 | MH-1325 | 484.92 | 483.38 | 483.22 | 150.0 | 31 | 1.45 | 200.000 | 0.010 | 0.37 | 0.04352 |
| CO-1323 | MH-1325 | MH-1326 | 484.89 | 483.22 | 483.09 | 150.0 | 26 | 1.47 | 200.000 | 0.010 | 0.41 | 0.05802 |
| CO-1324 | MH-1326 | MH-1327 | 484.67 | 483.09 | 482.99 | 150.0 | 21 | 1.52 | 200.000 | 0.010 | 0.44 | 0.07253 |
| CO-1325 | MH-1327 | MH-1328 | 484.75 | 482.99 | 482.87 | 150.0 | 24 | 1.74 | 200.000 | 0.010 | 0.46 | 0.08704 |
| CO-1328 | MH-1328 | MH-1321 | 484.89 | 482.87 | 482.73 | 150.0 | 28 | 1.97 | 200.000 | 0.010 | 0.48 | 0.10154 |
| CO-1329 | MH-1321 | MH-1331 | 484.95 | 482.73 | 482.65 | 150.0 | 16 | 2.15 | 200.000 | 0.010 | 0.50 | 0.11605 |
| CO-1330 | MH-1331 | MH-1332 | 485.02 | 482.65 | 482.59 | 150.0 | 12 | 2.25 | 200.000 | 0.010 | 0.52 | 0.13055 |
| CO-1344 | MH-1332 | MH-1346 | 485.02 | 482.59 | 482.46 | 150.0 | 25 | 2.35 | 200.000 | 0.010 | 0.54 | 0.14506 |
| CO-1345 | MH-1346 | MH-1347 | 485.04 | 482.46 | 482.31 | 150.0 | 31 | 2.33 | 200.000 | 0.010 | 0.55 | 0.15957 |
| CO-1346 | MH-1347 | MH-1348 | 484.70 | 482.31 | 482.16 | 150.0 | 30 | 2.18 | 200.000 | 0.010 | 0.56 | 0.17407 |
| CO-1347 | MH-1348 | MH-1349 | 484.42 | 482.16 | 482.01 | 150.0 | 30 | 2.03 | 200.000 | 0.010 | 0.58 | 0.18858 |
| CO-1348 | MH-1349 | MH-1350 | 484.10 | 482.01 | 481.86 | 150.0 | 30 | 1.80 | 200.000 | 0.010 | 0.59 | 0.20308 |
| CO-1349 | MH-1350 | MH-1310 | 483.66 | 481.86 | 481.75 | 150.0 | 21 | 1.62 | 200.000 | 0.010 | 0.60 | 0.21759 |
| CO-1304 | MH-1305 | MH-1306 | 485.19 | 484.04 | 483.95 | 150.0 | 18 | 1.02 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1305 | MH-1306 | MH-1307 | 485.15 | 483.95 | 483.70 | 150.0 | 30 | 1.02 | 120.942 | 0.010 | 0.39 | 0.02901 |
| CO-1306 | MH-1307 | MH-1308 | 484.85 | 483.70 | 483.40 | 150.0 | 30 | 1.00 | 97.948 | 0.010 | 0.48 | 0.04352 |
| CO-1307 | MH-1308 | MH-1304 | 484.55 | 483.27 | 482.90 | 150.0 | 30 | 1.06 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1298 | MH-1299 | MH-1300 | 485.84 | 484.69 | 484.47 | 150.0 | 30 | 1.00 | 136.497 | 0.010 | 0.31 | 0.01451 |
| CO-1299 | MH-1300 | MH-1301 | 485.62 | 484.47 | 484.21 | 150.0 | 29 | 1.00 | 115.229 | 0.010 | 0.40 | 0.02901 |
| CO-1300 | MH-1301 | MH-1302 | 485.36 | 484.21 | 483.83 | 150.0 | 31 | 1.00 | 80.636 | 0.010 | 0.51 | 0.04352 |
| CO-1301 | MH-1302 | MH-1303 | 484.98 | 483.83 | 483.60 | 150.0 | 29 | 1.00 | 126.945 | 0.010 | 0.48 | 0.05802 |
| CO-1302 | MH-1303 | MH-1298 | 484.75 | 483.18 | 482.80 | 150.0 | 30 | 1.21 | 80.000 | 0.010 | 0.60 | 0.07253 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1292 | MH-1293 | MH-1294 | 486.46 | 485.31 | 485.11 | 150.0 | 21 | 1.00 | 99.177 | 0.010 | 0.34 | 0.01451 |
| CO-1293 | MH-1294 | MH-1295 | 486.26 | 485.04 | 484.67 | 150.0 | 30 | 1.03 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1294 | MH-1295 | MH-1296 | 485.82 | 484.52 | 484.14 | 150.0 | 31 | 1.08 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1295 | MH-1296 | MH-1297 | 485.29 | 484.12 | 483.75 | 150.0 | 30 | 1.01 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1296 | MH-1297 | MH-1292 | 484.90 | 483.68 | 483.52 | 150.0 | 12 | 1.04 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1285 | MH-1286 | MH-1287 | 486.48 | 485.33 | 485.06 | 150.0 | 24 | 1.00 | 88.810 | 0.010 | 0.35 | 0.01451 |
| CO-1286 | MH-1287 | MH-1288 | 486.21 | 485.06 | 484.70 | 150.0 | 30 | 1.00 | 83.465 | 0.010 | 0.45 | 0.02901 |
| CO-1287 | MH-1288 | MH-1289 | 485.85 | 484.58 | 484.21 | 150.0 | 30 | 1.06 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1288 | MH-1289 | MH-1290 | 485.36 | 484.21 | 483.84 | 150.0 | 30 | 1.00 | 81.207 | 0.010 | 0.56 | 0.05802 |
| CO-1289 | MH-1290 | MH-1285 | 484.99 | 483.75 | 483.54 | 150.0 | 16 | 1.05 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1278 | MH-1280 | MH-1281 | 486.35 | 485.12 | 484.83 | 150.0 | 23 | 1.04 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1279 | MH-1281 | MH-1282 | 485.98 | 484.83 | 484.60 | 150.0 | 26 | 1.00 | 108.351 | 0.010 | 0.41 | 0.02901 |
| CO-1280 | MH-1282 | MH-1279 | 485.75 | 484.60 | 484.36 | 150.0 | 22 | 1.03 | 92.454 | 0.010 | 0.49 | 0.04352 |
| CO-1274 | MH-1275 | MH-1276 | 486.90 | 485.75 | 485.49 | 150.0 | 30 | 1.00 | 115.533 | 0.010 | 0.32 | 0.01451 |
| CO-1275 | MH-1276 | MH-1277 | 486.64 | 485.27 | 484.89 | 150.0 | 31 | 1.11 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1276 | MH-1277 | MH-1278 | 486.04 | 484.81 | 484.65 | 150.0 | 12 | 1.04 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1277 | MH-1278 | MH-1279 | 485.80 | 484.58 | 484.41 | 150.0 | 13 | 1.04 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1281 | MH-1279 | MH-1283 | 485.56 | 484.36 | 483.93 | 150.0 | 34 | 1.03 | 80.000 | 0.010 | 0.69 | 0.11605 |
| CO-1282 | MH-1283 | MH-1274 | 485.08 | 483.89 | 483.75 | 150.0 | 11 | 1.02 | 80.000 | 0.010 | 0.72 | 0.13055 |
| CO-1271 | MH-1271 | MH-1272 | 486.01 | 484.76 | 484.49 | 150.0 | 22 | 1.05 | 80.000 | 0.010 | 0.37 | 0.01451 |
| CO-1272 | MH-1272 | MH-1273 | 485.64 | 484.44 | 484.10 | 150.0 | 27 | 1.02 | 80.000 | 0.010 | 0.46 | 0.02901 |
| CO-1273 | MH-1273 | MH-1274 | 485.25 | 484.10 | 483.75 | 150.0 | 28 | 1.00 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1283 | MH-1274 | MH-1284 | 484.90 | 483.75 | 483.66 | 150.0 | 19 | 1.00 | 200.000 | 0.010 | 0.58 | 0.18858 |
| CO-1284 | MH-1284 | MH-1285 | 484.81 | 483.66 | 483.54 | 150.0 | 23 | 1.00 | 200.000 | 0.010 | 0.59 | 0.20308 |
| CO-1290 | MH-1285 | MH-1291 | 484.69 | 483.54 | 483.44 | 150.0 | 21 | 1.08 | 200.000 | 0.010 | 0.65 | 0.29012 |
| CO-1291 | MH-1291 | MH-1292 | 484.74 | 483.44 | 483.29 | 150.0 | 19 | 1.19 | 133.634 | 0.010 | 0.76 | 0.30463 |
| CO-1297 | MH-1292 | MH-1298 | 484.67 | 483.29 | 482.80 | 150.0 | 39 | 1.11 | 80.000 | 0.010 | 0.98 | 0.39166 |
| CO-1303 | MH-1298 | MH-1304 | 483.95 | 482.80 | 482.58 | 150.0 | 20 | 1.16 | 89.081 | 0.010 | 1.00 | 0.47870 |
| CO-1308 | MH-1304 | MH-1309 | 484.05 | 482.58 | 482.41 | 150.0 | 18 | 1.31 | 99.941 | 0.010 | 1.00 | 0.55123 |
| CO-1309 | MH-1309 | MH-1310 | 483.87 | 482.41 | 482.19 | 150.0 | 22 | 1.24 | 101.921 | 0.010 | 1.00 | 0.56573 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1350 | MH-1310 | MH-1351 | 483.50 | 481.75 | 481.34 | 150.0 | 34 | 1.43 | 82.292 | 0.010 | 1.18 | 0.79783 |
| CO-1351 | MH-1351 | MH-1352 | 482.76 | 481.34 | 480.98 | 150.0 | 30 | 1.13 | 80.000 | 0.010 | 1.20 | 0.81234 |
| CO-1352 | MH-1352 | MH-1353 | 482.13 | 480.94 | 480.74 | 150.0 | 16 | 1.02 | 80.000 | 0.010 | 1.21 | 0.82684 |
| CO-1354 | MH-1353 | MH-1355 | 481.89 | 480.74 | 480.46 | 150.0 | 23 | 1.00 | 82.391 | 0.010 | 1.20 | 0.85585 |
| CO-1355 | MH-1355 | MH-1356 | 481.61 | 480.46 | 480.31 | 150.0 | 20 | 1.02 | 136.559 | 0.010 | 1.00 | 0.87036 |
| CO-1356 | MH-1356 | MH-1357 | 481.51 | 480.31 | 480.14 | 150.0 | 18 | 1.02 | 102.474 | 0.010 | 1.12 | 0.88487 |
| CO-1357 | MH-1357 | MH-1358 | 481.29 | 480.14 | 479.90 | 150.0 | 24 | 1.00 | 100.530 | 0.010 | 1.13 | 0.89937 |
| CO-1388 | MH-1358 | MH-1389 | 481.05 | 478.86 | 478.72 | 170.0 | 26 | 1.88 | 189.770 | 0.010 | 1.00 | 1.54764 |
| CO-1382 | MH-1383 | MH-1384 | 483.03 | 481.88 | 481.77 | 150.0 | 22 | 1.05 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1383 | MH-1384 | MH-1385 | 483.02 | 481.77 | 481.58 | 150.0 | 24 | 1.08 | 124.067 | 0.010 | 0.39 | 0.02901 |
| CO-1384 | MH-1385 | MH-1386 | 482.77 | 481.58 | 481.21 | 150.0 | 29 | 1.02 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1385 | MH-1386 | MH-1387 | 482.36 | 480.99 | 480.61 | 150.0 | 30 | 1.11 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1386 | MH-1387 | MH-1388 | 481.76 | 480.49 | 480.11 | 150.0 | 30 | 1.06 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1387 | MH-1388 | MH-1389 | 481.26 | 479.86 | 479.49 | 150.0 | 30 | 1.13 | 80.000 | 0.010 | 0.63 | 0.08704 |
| CO-1389 | MH-1389 | MH-1390 | 480.64 | 478.72 | 478.57 | 170.0 | 30 | 1.73 | 192.329 | 0.010 | 1.00 | 1.64918 |
| CO-1390 | MH-1391 | MH-1392 | 482.55 | 481.40 | 481.26 | 150.0 | 29 | 1.08 | 200.000 | 0.010 | 0.27 | 0.01451 |
| CO-1391 | MH-1392 | MH-1393 | 482.56 | 481.26 | 481.11 | 150.0 | 23 | 1.11 | 156.381 | 0.010 | 0.36 | 0.02901 |
| CO-1392 | MH-1393 | MH-1394 | 482.33 | 481.11 | 480.81 | 150.0 | 24 | 1.04 | 80.000 | 0.010 | 0.52 | 0.04352 |
| CO-1393 | MH-1394 | MH-1395 | 481.96 | 480.62 | 480.24 | 150.0 | 30 | 1.10 | 80.000 | 0.010 | 0.56 | 0.05802 |
| CO-1394 | MH-1395 | MH-1396 | 481.39 | 480.19 | 479.81 | 150.0 | 30 | 1.03 | 80.000 | 0.010 | 0.60 | 0.07253 |
| CO-1395 | MH-1396 | MH-1390 | 480.96 | 479.68 | 479.31 | 150.0 | 30 | 1.06 | 80.000 | 0.010 | 0.63 | 0.08704 |
| CO-1396 | MH-1390 | MH-1397 | 480.46 | 478.54 | 478.39 | 200.0 | 29 | 1.63 | 200.000 | 0.010 | 1.03 | 1.75073 |
| CO-1404 | MH-1397 | MH-1405 | 480.13 | 478.39 | 478.08 | 200.0 | 36 | 1.54 | 114.157 | 0.010 | 1.30 | 1.86677 |
| CO-1490 | MH-1405 | MH-1491 | 479.82 | 478.08 | 477.70 | 200.0 | 30 | 1.27 | 80.000 | 0.010 | 1.50 | 1.98282 |
| CO-1491 | MH-1491 | MH-1492 | 478.90 | 477.50 | 477.29 | 200.0 | 17 | 1.10 | 80.000 | 0.010 | 1.51 | 1.99733 |
| CO-1492 | MH-1492 | MH-1493 | 478.49 | 477.23 | 476.92 | 200.0 | 25 | 1.03 | 80.000 | 0.010 | 1.51 | 2.01183 |
| CO-1493 | MH-1493 | MH-1494 | 478.12 | 476.92 | 476.77 | 200.0 | 30 | 1.00 | 198.729 | 0.010 | 1.06 | 2.02634 |
| CO-1494 | MH-1494 | MH-1495 | 477.97 | 476.77 | 476.44 | 200.0 | 30 | 1.10 | 91.852 | 0.010 | 1.44 | 2.04085 |
| CO-1495 | MH-1495 | MH-1490 | 477.84 | 476.44 | 476.04 | 200.0 | 32 | 1.10 | 80.000 | 0.010 | 1.52 | 2.05535 |
| CO-1496 | MH-1490 | MH-1496 | 477.24 | 475.20 | 475.10 | 300.0 | 20 | 1.71 | 200.000 | 0.011 | 1.29 | 6.16080 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1497 | MH-1496 | MH-1497 | 477.09 | 475.10 | 475.00 | 300.0 | 20 | 1.44 | 200.000 | 0.011 | 1.29 | 6.17293 |
| CO-1498 | MH-1497 | MH-1498 | 476.51 | 475.00 | 474.94 | 300.0 | 13 | 1.16 | 200.000 | 0.011 | 1.29 | 6.18506 |
| CO-1499 | MH-1498 | MH-1499 | 476.35 | 474.94 | 474.88 | 300.0 | 12 | 1.15 | 200.000 | 0.011 | 1.29 | 6.19719 |
| CO-1500 | MH-1499 | MH-1500 | 476.37 | 474.88 | 474.72 | 300.0 | 31 | 1.29 | 200.000 | 0.011 | 1.29 | 6.20932 |
| CO-1501 | MH-1500 | MH-1501 | 476.41 | 474.72 | 474.57 | 300.0 | 30 | 1.34 | 200.000 | 0.011 | 1.29 | 6.22145 |
| CO-1502 | MH-1501 | MH-1502 | 476.16 | 474.57 | 474.51 | 300.0 | 12 | 1.41 | 200.000 | 0.011 | 1.29 | 6.23358 |
| CO-1503 | MH-1502 | MH-1503 | 476.33 | 474.51 | 474.30 | 300.0 | 41 | 1.39 | 200.000 | 0.011 | 1.29 | 6.24571 |
| CO-1504 | MH-1503 | OF-1 | 475.86 | 474.30 | 474.20 | 300.0 | 22 | 1.33 | 200.000 | 0.011 | 1.29 | 6.25784 |

Hydraulic Model Inventory: Zone IX Part III.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part III |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 16-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 916 | Taps | 0 |
| -Circle | 916 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 916 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|-------|
| Circle - 150.0 mm | 20,712 m | Circle - 300.0 mm | 190 m |
| Circle - 170.0 mm | 55 m | Circle - 350.0 mm | 73 m |
| Circle - 200.0 mm | 695 m | Circle - 400.0 mm | 309 m |

Hydraulic Model Inventory: Zone IX Part III.stsw

| Circle Inventory | | | |
|-------------------|-------|--------------|----------|
| Circle - 250.0 mm | 311 m | Total Length | 22,345 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2794 | MH-2794 | MH-2795 | 477.94 | 476.54 | 476.43 | 150.0 | 16 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2795 | MH-2795 | MH-2796 | 477.50 | 476.43 | 476.29 | 150.0 | 21 | 1.07 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2796 | MH-2796 | MH-2797 | 477.66 | 476.29 | 476.13 | 150.0 | 25 | 1.27 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2797 | MH-2797 | MH-2798 | 477.60 | 476.13 | 475.95 | 150.0 | 27 | 1.32 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2798 | MH-2798 | MH-2799 | 477.41 | 475.95 | 475.79 | 150.0 | 23 | 1.17 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2799 | MH-2799 | MH-2800 | 476.97 | 475.60 | 475.41 | 150.0 | 28 | 1.07 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2800 | MH-2800 | MH-2782 | 476.48 | 475.41 | 475.28 | 150.0 | 20 | 0.92 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2787 | MH-2788 | MH-2787 | 478.61 | 477.55 | 477.48 | 150.0 | 11 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2784 | MH-2784 | MH-2785 | 480.56 | 479.05 | 478.84 | 150.0 | 31 | 1.14 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2785 | MH-2785 | MH-2786 | 479.90 | 478.83 | 478.63 | 150.0 | 30 | 0.92 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2786 | MH-2786 | MH-2787 | 479.69 | 477.88 | 477.66 | 150.0 | 33 | 1.29 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2788 | MH-2787 | MH-2789 | 478.73 | 477.18 | 477.00 | 150.0 | 27 | 1.16 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2789 | MH-2789 | MH-2790 | 478.06 | 476.57 | 476.37 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2790 | MH-2790 | MH-2791 | 477.44 | 475.83 | 475.63 | 150.0 | 30 | 1.18 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2791 | MH-2791 | MH-2792 | 476.70 | 475.57 | 475.37 | 150.0 | 30 | 0.95 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2792 | MH-2792 | MH-2793 | 476.43 | 475.37 | 475.17 | 150.0 | 30 | 1.00 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2793 | MH-2793 | MH-2782 | 476.39 | 475.17 | 474.89 | 150.0 | 42 | 1.20 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2761 | MH-2763 | MH-2764 | 480.28 | 478.97 | 478.83 | 150.0 | 21 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2762 | MH-2764 | MH-2765 | 479.89 | 478.64 | 478.44 | 150.0 | 31 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2763 | MH-2765 | MH-2766 | 479.50 | 478.35 | 478.16 | 150.0 | 28 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2764 | MH-2766 | MH-2767 | 479.23 | 477.95 | 477.74 | 150.0 | 31 | 1.02 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2765 | MH-2767 | MH-2768 | 478.81 | 477.70 | 477.50 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2766 | MH-2768 | MH-2762 | 478.57 | 477.50 | 477.37 | 150.0 | 20 | 0.99 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2755 | MH-2757 | MH-2758 | 480.82 | 479.75 | 479.53 | 150.0 | 34 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2756 | MH-2758 | MH-2759 | 480.59 | 479.48 | 479.28 | 150.0 | 31 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2757 | MH-2759 | MH-2756 | 480.34 | 479.19 | 478.99 | 150.0 | 29 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2783 | MH-2783 | MH-2754 | 480.87 | 479.81 | 479.63 | 150.0 | 27 | 1.20 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2751 | MH-2754 | MH-2753 | 481.27 | 479.63 | 479.42 | 150.0 | 31 | 1.77 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2743 | MH-2745 | MH-2746 | 482.33 | 481.26 | 481.06 | 150.0 | 30 | 1.26 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2744 | MH-2746 | MH-2747 | 482.82 | 481.06 | 480.86 | 150.0 | 30 | 1.92 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2745 | MH-2747 | MH-2748 | 483.23 | 480.86 | 480.66 | 150.0 | 29 | 2.34 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2746 | MH-2748 | MH-2749 | 483.27 | 480.66 | 480.53 | 150.0 | 20 | 2.49 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2747 | MH-2749 | MH-2750 | 483.21 | 480.53 | 480.42 | 150.0 | 16 | 2.74 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2748 | MH-2750 | MH-2751 | 483.52 | 480.42 | 480.21 | 150.0 | 31 | 2.65 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2749 | MH-2751 | MH-2752 | 482.71 | 480.21 | 480.09 | 150.0 | 18 | 2.18 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2750 | MH-2752 | MH-2753 | 482.25 | 480.09 | 479.94 | 150.0 | 24 | 1.76 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2752 | MH-2753 | MH-2755 | 481.61 | 479.42 | 479.30 | 150.0 | 18 | 1.88 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2753 | MH-2755 | MH-2744 | 481.17 | 479.30 | 479.10 | 150.0 | 30 | 1.44 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2738 | MH-2740 | MH-2739 | 481.71 | 480.28 | 480.10 | 150.0 | 27 | 1.10 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2736 | MH-2738 | MH-2737 | 483.09 | 481.30 | 481.09 | 150.0 | 32 | 1.28 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2727 | MH-2728 | MH-2729 | 483.98 | 482.86 | 482.71 | 150.0 | 23 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2728 | MH-2729 | MH-2730 | 483.77 | 482.61 | 482.47 | 150.0 | 20 | 0.96 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2729 | MH-2730 | MH-2731 | 483.54 | 482.40 | 482.27 | 150.0 | 19 | 0.95 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2730 | MH-2731 | MH-2732 | 483.34 | 482.03 | 481.88 | 150.0 | 22 | 1.04 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2731 | MH-2732 | MH-2733 | 482.95 | 481.34 | 481.22 | 150.0 | 18 | 1.19 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2732 | MH-2733 | MH-2734 | 482.28 | 480.78 | 480.61 | 150.0 | 26 | 1.13 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2733 | MH-2734 | MH-2735 | 481.68 | 480.61 | 480.50 | 150.0 | 17 | 1.07 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2734 | MH-2735 | MH-2736 | 481.88 | 480.50 | 480.30 | 150.0 | 31 | 1.42 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2735 | MH-2736 | MH-2737 | 482.05 | 480.30 | 480.10 | 150.0 | 30 | 1.76 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2737 | MH-2737 | MH-2739 | 482.16 | 480.10 | 479.84 | 150.0 | 38 | 1.54 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2739 | MH-2739 | MH-2741 | 481.16 | 479.84 | 479.67 | 150.0 | 26 | 1.22 | 150.000 | 0.010 | 0.63 | 0.18015 |
| CO-2740 | MH-2741 | MH-2742 | 481.08 | 479.67 | 479.46 | 150.0 | 32 | 1.22 | 150.000 | 0.010 | 0.64 | 0.19401 |
| CO-2741 | MH-2742 | MH-2743 | 480.79 | 479.46 | 479.26 | 150.0 | 29 | 1.19 | 150.000 | 0.010 | 0.66 | 0.20787 |
| CO-2742 | MH-2743 | MH-2744 | 480.61 | 479.26 | 479.17 | 150.0 | 14 | 1.15 | 150.000 | 0.010 | 0.67 | 0.22173 |
| CO-2754 | MH-2744 | MH-2756 | 480.42 | 479.10 | 478.99 | 150.0 | 17 | 1.04 | 150.000 | 0.010 | 0.79 | 0.40188 |
| CO-2758 | MH-2756 | MH-2760 | 480.06 | 478.54 | 478.36 | 150.0 | 27 | 1.14 | 150.000 | 0.010 | 0.82 | 0.45731 |
| CO-2759 | MH-2760 | MH-2761 | 479.42 | 478.36 | 478.09 | 150.0 | 40 | 0.94 | 150.000 | 0.010 | 0.83 | 0.47117 |
| CO-2760 | MH-2761 | MH-2762 | 479.21 | 477.68 | 477.51 | 150.0 | 25 | 1.15 | 150.000 | 0.010 | 0.83 | 0.48503 |
| CO-2767 | MH-2762 | MH-2769 | 478.58 | 477.13 | 476.94 | 150.0 | 29 | 1.11 | 150.000 | 0.010 | 0.87 | 0.58204 |
| CO-2768 | MH-2770 | MH-2771 | 479.96 | 478.50 | 478.35 | 150.0 | 23 | 1.11 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2769 | MH-2771 | MH-2772 | 479.42 | 478.11 | 477.90 | 150.0 | 32 | 1.03 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2770 | MH-2772 | MH-2773 | 478.96 | 477.76 | 477.61 | 150.0 | 23 | 0.98 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2771 | MH-2773 | MH-2774 | 478.67 | 477.29 | 477.06 | 150.0 | 35 | 1.07 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2772 | MH-2774 | MH-2775 | 478.12 | 477.06 | 476.89 | 150.0 | 26 | 0.95 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2773 | MH-2775 | MH-2769 | 478.02 | 476.89 | 476.74 | 150.0 | 22 | 1.05 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2774 | MH-2769 | MH-2727 | 478.00 | 476.60 | 476.45 | 150.0 | 22 | 1.08 | 150.000 | 0.010 | 0.91 | 0.67904 |
| CO-2721 | MH-2722 | MH-2721 | 478.73 | 477.66 | 477.51 | 150.0 | 23 | 1.20 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2988 | MH-2971 | MH-2972 | 479.00 | 477.94 | 477.79 | 150.0 | 21 | 1.20 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2989 | MH-2972 | MH-2973 | 479.43 | 477.79 | 477.64 | 150.0 | 23 | 1.70 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2992 | MH-2973 | MH-2974 | 479.71 | 477.64 | 477.52 | 150.0 | 18 | 2.17 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2975 | MH-2961 | MH-2962 | 481.28 | 479.88 | 479.79 | 150.0 | 13 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2978 | MH-2962 | MH-2963 | 480.86 | 479.77 | 479.68 | 150.0 | 13 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2705 | MH-2705 | MH-2706 | 484.69 | 483.49 | 483.35 | 150.0 | 22 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2706 | MH-2706 | MH-2707 | 484.41 | 483.06 | 482.93 | 150.0 | 19 | 1.06 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2707 | MH-2707 | MH-2708 | 484.00 | 482.58 | 482.42 | 150.0 | 25 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2708 | MH-2708 | MH-2709 | 483.48 | 481.84 | 481.66 | 150.0 | 26 | 1.20 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2709 | MH-2709 | MH-2710 | 482.73 | 481.08 | 480.89 | 150.0 | 27 | 1.21 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2710 | MH-2710 | MH-2711 | 481.96 | 480.80 | 480.70 | 150.0 | 14 | 0.96 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2711 | MH-2711 | MH-2712 | 481.77 | 480.69 | 480.57 | 150.0 | 18 | 0.92 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2712 | MH-2712 | MH-2713 | 481.64 | 480.14 | 479.94 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2976 | MH-2713 | MH-2963 | 481.01 | 479.81 | 479.68 | 150.0 | 19 | 0.98 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2977 | MH-2963 | MH-2714 | 480.75 | 479.57 | 479.45 | 150.0 | 18 | 0.97 | 150.000 | 0.010 | 0.62 | 0.16555 |
| CO-2983 | MH-2967 | MH-2968 | 479.24 | 478.18 | 478.02 | 150.0 | 24 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2984 | MH-2968 | MH-2969 | 479.27 | 478.02 | 477.88 | 150.0 | 21 | 1.62 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2987 | MH-2969 | MH-2970 | 480.16 | 477.88 | 477.74 | 150.0 | 21 | 2.46 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2985 | MH-2715 | MH-2970 | 480.90 | 479.70 | 479.60 | 150.0 | 14 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2986 | MH-2970 | MH-2714 | 480.67 | 477.74 | 477.67 | 150.0 | 11 | 2.74 | 150.000 | 0.010 | 0.47 | 0.06829 |
| CO-2990 | MH-2714 | MH-2974 | 480.52 | 477.67 | 477.57 | 150.0 | 15 | 2.53 | 150.000 | 0.010 | 0.69 | 0.24769 |
| CO-2991 | MH-2974 | MH-2716 | 480.08 | 477.52 | 477.44 | 150.0 | 12 | 2.29 | 150.000 | 0.010 | 0.73 | 0.30213 |
| CO-3014 | MH-2994 | MH-2995 | 480.70 | 479.54 | 479.47 | 150.0 | 11 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01361 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3017 | MH-2995 | MH-2996 | 480.53 | 479.37 | 479.28 | 150.0 | 12 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2979 | MH-2964 | MH-2965 | 480.93 | 479.65 | 479.59 | 150.0 | 8 | 1.02 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2982 | MH-2965 | MH-2966 | 480.66 | 479.41 | 479.31 | 150.0 | 15 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2716 | MH-2717 | MH-2718 | 481.50 | 479.94 | 479.79 | 150.0 | 22 | 1.16 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2717 | MH-2718 | MH-2719 | 480.85 | 479.59 | 479.45 | 150.0 | 22 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2980 | MH-2719 | MH-2966 | 480.51 | 479.36 | 479.31 | 150.0 | 8 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-3015 | MH-2966 | MH-2996 | 480.37 | 479.31 | 479.21 | 150.0 | 15 | 0.95 | 150.000 | 0.010 | 0.50 | 0.08240 |
| CO-3016 | MH-2996 | MH-2720 | 480.35 | 479.21 | 479.16 | 150.0 | 7 | 0.96 | 150.000 | 0.010 | 0.56 | 0.12322 |
| CO-2719 | MH-2720 | MH-2716 | 480.23 | 478.85 | 478.69 | 150.0 | 25 | 1.07 | 150.000 | 0.010 | 0.58 | 0.13708 |
| CO-2720 | MH-2716 | MH-2721 | 479.75 | 477.44 | 477.15 | 150.0 | 43 | 2.00 | 150.000 | 0.010 | 0.82 | 0.45306 |
| CO-2722 | MH-2721 | MH-2723 | 479.14 | 477.15 | 477.04 | 150.0 | 17 | 1.77 | 150.000 | 0.010 | 0.83 | 0.48078 |
| CO-2723 | MH-2723 | MH-2724 | 478.89 | 477.04 | 476.86 | 150.0 | 27 | 1.59 | 150.000 | 0.010 | 0.84 | 0.49464 |
| CO-2724 | MH-2724 | MH-2725 | 478.49 | 476.86 | 476.68 | 150.0 | 27 | 1.35 | 150.000 | 0.010 | 0.84 | 0.50850 |
| CO-2725 | MH-2725 | MH-2726 | 478.05 | 476.68 | 476.43 | 150.0 | 37 | 1.17 | 150.000 | 0.010 | 0.85 | 0.52235 |
| CO-2726 | MH-2726 | MH-2727 | 477.71 | 476.43 | 476.34 | 150.0 | 14 | 1.07 | 150.000 | 0.010 | 0.85 | 0.53621 |
| CO-2775 | MH-2727 | MH-2776 | 477.52 | 476.14 | 476.06 | 150.0 | 11 | 1.07 | 150.000 | 0.010 | 1.03 | 1.22911 |
| CO-2778 | MH-2776 | MH-2779 | 477.13 | 475.58 | 475.44 | 150.0 | 21 | 1.16 | 150.000 | 0.010 | 1.03 | 1.24297 |
| CO-2779 | MH-2779 | MH-2780 | 476.51 | 475.42 | 475.27 | 150.0 | 22 | 0.93 | 150.000 | 0.010 | 1.03 | 1.25683 |
| CO-2780 | MH-2780 | MH-2781 | 476.34 | 475.25 | 475.08 | 170.0 | 30 | 0.96 | 173.270 | 0.010 | 1.00 | 1.27069 |
| CO-2781 | MH-2781 | MH-2703 | 476.25 | 475.05 | 474.92 | 200.0 | 44 | 1.14 | 350.000 | 0.010 | 0.77 | 1.28454 |
| CO-2699 | MH-2700 | MH-2701 | 477.60 | 476.20 | 476.06 | 150.0 | 21 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2700 | MH-2701 | MH-2421 | 477.12 | 475.94 | 475.79 | 150.0 | 23 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-3001 | MH-2982 | MH-2983 | 477.99 | 476.86 | 476.80 | 150.0 | 8 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3002 | MH-2983 | MH-2909 | 477.87 | 476.45 | 476.31 | 150.0 | 20 | 1.09 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2908 | MH-2908 | MH-2909 | 476.83 | 475.77 | 475.52 | 150.0 | 37 | 1.31 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2909 | MH-2909 | MH-2417 | 477.38 | 475.52 | 475.36 | 150.0 | 24 | 1.92 | 150.000 | 0.010 | 0.44 | 0.05493 |
| CO-2999 | MH-2980 | MH-2981 | 478.42 | 477.19 | 477.08 | 150.0 | 16 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3000 | MH-2981 | MH-2417 | 478.15 | 476.72 | 476.57 | 150.0 | 23 | 1.09 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2993 | MH-2975 | MH-2976 | 478.66 | 477.26 | 477.20 | 150.0 | 9 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2994 | MH-2976 | MH-2977 | 478.27 | 477.16 | 477.07 | 150.0 | 14 | 0.94 | 150.000 | 0.010 | 0.36 | 0.02722 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2995 | MH-2977 | MH-2978 | 478.13 | 477.05 | 476.94 | 150.0 | 17 | 0.92 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2998 | MH-2978 | MH-2979 | 478.00 | 476.87 | 476.80 | 150.0 | 11 | 0.95 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-2413 | MH-2414 | MH-2415 | 479.22 | 478.15 | 477.95 | 150.0 | 31 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2414 | MH-2415 | MH-2413 | 479.15 | 477.61 | 477.38 | 150.0 | 34 | 1.16 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2407 | MH-2407 | MH-2408 | 479.10 | 477.81 | 477.55 | 150.0 | 39 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2412 | MH-2408 | MH-2413 | 478.62 | 477.55 | 477.38 | 150.0 | 25 | 0.92 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2415 | MH-2413 | MH-2416 | 478.44 | 477.18 | 476.96 | 150.0 | 34 | 1.01 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2996 | MH-2416 | MH-2979 | 478.02 | 476.87 | 476.80 | 150.0 | 11 | 0.96 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2997 | MH-2979 | MH-2417 | 477.86 | 476.73 | 476.57 | 150.0 | 25 | 0.95 | 150.000 | 0.010 | 0.60 | 0.15119 |
| CO-2417 | MH-2417 | MH-2418 | 477.63 | 475.36 | 475.31 | 150.0 | 7 | 2.15 | 150.000 | 0.010 | 0.69 | 0.24719 |
| CO-2418 | MH-2418 | MH-2419 | 477.63 | 475.31 | 475.11 | 150.0 | 30 | 2.06 | 150.000 | 0.010 | 0.70 | 0.26105 |
| CO-2419 | MH-2419 | MH-2420 | 477.20 | 475.11 | 474.91 | 150.0 | 30 | 1.94 | 150.000 | 0.010 | 0.71 | 0.27491 |
| CO-2420 | MH-2420 | MH-2402 | 476.99 | 474.91 | 474.66 | 150.0 | 37 | 1.99 | 150.000 | 0.010 | 0.72 | 0.28877 |
| CO-2403 | MH-2403 | MH-2404 | 478.23 | 477.16 | 477.03 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2404 | MH-2404 | MH-2405 | 478.21 | 477.03 | 476.91 | 150.0 | 17 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2696 | MH-2698 | MH-2405 | 477.91 | 476.85 | 476.72 | 150.0 | 20 | 1.05 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2405 | MH-2405 | MH-2406 | 478.06 | 476.42 | 476.19 | 150.0 | 34 | 1.20 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2406 | MH-2406 | MH-2402 | 477.26 | 475.94 | 475.79 | 150.0 | 23 | 1.04 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2397 | MH-2398 | MH-2397 | 478.56 | 477.50 | 477.32 | 150.0 | 26 | 0.91 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2394 | MH-2395 | MH-2394 | 479.58 | 478.51 | 478.42 | 150.0 | 14 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2393 | MH-2393 | MH-2394 | 480.12 | 478.62 | 478.42 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2395 | MH-2394 | MH-2396 | 479.49 | 478.27 | 478.03 | 150.0 | 37 | 0.99 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2396 | MH-2396 | MH-2397 | 479.09 | 477.49 | 477.32 | 150.0 | 25 | 1.18 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2398 | MH-2397 | MH-2399 | 478.39 | 477.13 | 477.05 | 150.0 | 12 | 1.01 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2399 | MH-2399 | MH-2400 | 478.12 | 476.90 | 476.71 | 150.0 | 28 | 0.99 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2400 | MH-2400 | MH-2392 | 477.78 | 476.55 | 476.37 | 150.0 | 27 | 0.99 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2349 | MH-2350 | MH-2349 | 479.29 | 478.06 | 477.92 | 150.0 | 20 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2346 | MH-2347 | MH-2346 | 479.86 | 478.79 | 478.67 | 150.0 | 18 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2344 | MH-2344 | MH-2345 | 481.04 | 479.97 | 479.86 | 150.0 | 18 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2345 | MH-2345 | MH-2346 | 481.09 | 479.07 | 478.84 | 150.0 | 34 | 1.40 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2347 | MH-2346 | MH-2348 | 479.90 | 478.24 | 478.03 | 150.0 | 32 | 1.21 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2348 | MH-2348 | MH-2349 | 479.09 | 478.03 | 477.86 | 150.0 | 25 | 0.95 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2350 | MH-2349 | MH-2351 | 478.99 | 477.86 | 477.71 | 150.0 | 23 | 1.06 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2351 | MH-2351 | MH-2352 | 479.00 | 477.71 | 477.53 | 150.0 | 26 | 1.28 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2906 | MH-2906 | MH-2352 | 479.52 | 478.16 | 478.04 | 150.0 | 18 | 1.06 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2352 | MH-2352 | MH-2353 | 479.10 | 477.53 | 477.30 | 150.0 | 34 | 1.66 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2353 | MH-2353 | MH-2198 | 479.36 | 477.30 | 477.09 | 150.0 | 32 | 1.72 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2114 | MH-2114 | MH-2115 | 480.08 | 478.90 | 478.77 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2115 | MH-2115 | MH-2116 | 479.83 | 478.77 | 478.57 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2116 | MH-2116 | MH-2117 | 479.67 | 478.57 | 478.37 | 150.0 | 30 | 1.00 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2117 | MH-2117 | MH-2113 | 479.58 | 478.37 | 478.18 | 150.0 | 27 | 1.12 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2109 | MH-2109 | MH-2110 | 480.44 | 479.21 | 479.10 | 150.0 | 17 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2110 | MH-2110 | MH-2111 | 480.17 | 479.10 | 478.90 | 150.0 | 30 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2111 | MH-2111 | MH-2112 | 480.13 | 478.90 | 478.70 | 150.0 | 30 | 1.03 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2112 | MH-2112 | MH-2108 | 479.85 | 478.70 | 478.54 | 150.0 | 25 | 1.13 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-3006 | MH-2104 | MH-2988 | 480.92 | 479.75 | 479.68 | 150.0 | 10 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-3003 | MH-2984 | MH-2985 | 481.16 | 480.05 | 479.96 | 150.0 | 14 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3004 | MH-2985 | MH-2986 | 481.02 | 479.93 | 479.81 | 150.0 | 19 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3005 | MH-2986 | MH-2987 | 480.87 | 479.74 | 479.60 | 150.0 | 21 | 0.95 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3008 | MH-2987 | MH-2988 | 480.67 | 479.60 | 479.49 | 150.0 | 17 | 1.01 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-3007 | MH-2988 | MH-2105 | 480.75 | 479.49 | 479.33 | 150.0 | 23 | 1.09 | 150.000 | 0.010 | 0.50 | 0.08190 |
| CO-2105 | MH-2105 | MH-2106 | 480.55 | 479.33 | 479.17 | 150.0 | 25 | 1.16 | 150.000 | 0.010 | 0.52 | 0.09576 |
| CO-2106 | MH-2106 | MH-2107 | 480.56 | 479.17 | 478.97 | 150.0 | 30 | 1.31 | 150.000 | 0.010 | 0.55 | 0.10961 |
| CO-2107 | MH-2107 | MH-2103 | 480.50 | 478.97 | 478.83 | 150.0 | 21 | 1.40 | 150.000 | 0.010 | 0.56 | 0.12347 |
| CO-2098 | MH-2099 | MH-2098 | 481.24 | 480.18 | 480.05 | 150.0 | 19 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2095 | MH-2095 | MH-2096 | 481.52 | 480.46 | 480.26 | 150.0 | 30 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2096 | MH-2096 | MH-2097 | 481.66 | 480.26 | 480.14 | 150.0 | 19 | 1.19 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2097 | MH-2097 | MH-2098 | 481.43 | 480.14 | 479.95 | 150.0 | 28 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2099 | MH-2098 | MH-2100 | 481.14 | 479.95 | 479.84 | 150.0 | 16 | 1.07 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2100 | MH-2100 | MH-2101 | 481.10 | 479.84 | 479.67 | 150.0 | 26 | 1.22 | 150.000 | 0.010 | 0.50 | 0.08315 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2101 | MH-2101 | MH-2094 | 481.16 | 479.67 | 479.48 | 150.0 | 29 | 1.47 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-3063 | MH-3040 | MH-2942 | 483.69 | 482.63 | 482.50 | 150.0 | 19 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2948 | MH-2941 | MH-2942 | 483.53 | 482.47 | 482.35 | 150.0 | 17 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2082 | MH-2083 | MH-2084 | 484.98 | 483.66 | 483.53 | 150.0 | 20 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2083 | MH-2084 | MH-2085 | 484.59 | 483.16 | 483.00 | 150.0 | 24 | 1.10 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2946 | MH-2085 | MH-2942 | 484.07 | 482.66 | 482.57 | 150.0 | 12 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2947 | MH-2942 | MH-2087 | 483.64 | 482.20 | 482.13 | 150.0 | 11 | 1.10 | 150.000 | 0.010 | 0.50 | 0.08240 |
| CO-2086 | MH-2087 | MH-2088 | 483.19 | 481.48 | 481.28 | 150.0 | 30 | 1.24 | 150.000 | 0.010 | 0.52 | 0.09626 |
| CO-2087 | MH-2088 | MH-2069 | 482.34 | 480.68 | 480.47 | 150.0 | 31 | 1.22 | 150.000 | 0.010 | 0.55 | 0.11011 |
| CO-2088 | MH-2069 | MH-2089 | 481.54 | 480.47 | 480.42 | 150.0 | 8 | 0.92 | 150.000 | 0.010 | 0.56 | 0.12397 |
| CO-2089 | MH-2089 | MH-2090 | 481.50 | 480.42 | 480.28 | 150.0 | 21 | 0.97 | 150.000 | 0.010 | 0.58 | 0.13783 |
| CO-2090 | MH-2090 | MH-2091 | 481.45 | 480.28 | 480.10 | 150.0 | 27 | 1.03 | 150.000 | 0.010 | 0.60 | 0.15169 |
| CO-2091 | MH-2091 | MH-2092 | 481.28 | 480.10 | 479.95 | 150.0 | 21 | 1.03 | 150.000 | 0.010 | 0.62 | 0.16555 |
| CO-2092 | MH-2092 | MH-2093 | 481.12 | 479.95 | 479.77 | 150.0 | 28 | 1.20 | 150.000 | 0.010 | 0.63 | 0.17940 |
| CO-2093 | MH-2093 | MH-2082 | 481.30 | 479.77 | 479.60 | 150.0 | 25 | 1.60 | 150.000 | 0.010 | 0.64 | 0.19326 |
| CO-2072 | MH-2075 | MH-2071 | 481.50 | 480.44 | 480.26 | 150.0 | 27 | 1.29 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2057 | MH-2059 | MH-2060 | 484.89 | 483.64 | 483.53 | 150.0 | 16 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2058 | MH-2060 | MH-2061 | 484.60 | 483.22 | 483.07 | 150.0 | 23 | 1.07 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2949 | MH-2061 | MH-2065 | 484.13 | 482.74 | 482.64 | 150.0 | 15 | 1.08 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2063 | MH-2065 | MH-2066 | 483.70 | 482.01 | 481.87 | 150.0 | 22 | 1.23 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2064 | MH-2066 | MH-2067 | 482.93 | 481.46 | 481.30 | 150.0 | 25 | 1.12 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2065 | MH-2067 | MH-2068 | 482.36 | 480.78 | 480.63 | 150.0 | 23 | 1.17 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2067 | MH-2068 | MH-2064 | 481.69 | 480.63 | 480.44 | 150.0 | 29 | 1.27 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2052 | MH-2054 | MH-2055 | 484.77 | 483.71 | 483.61 | 150.0 | 15 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2053 | MH-2055 | MH-2056 | 485.01 | 483.61 | 483.46 | 150.0 | 23 | 1.21 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2054 | MH-2056 | MH-2053 | 484.79 | 483.46 | 483.32 | 150.0 | 21 | 1.31 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2030 | MH-2031 | MH-2032 | 485.26 | 484.20 | 484.00 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2031 | MH-2032 | MH-2033 | 485.46 | 484.00 | 483.79 | 150.0 | 31 | 1.55 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2032 | MH-2033 | MH-2030 | 485.73 | 483.79 | 483.63 | 150.0 | 25 | 1.79 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2012 | MH-2012 | MH-2013 | 485.80 | 484.70 | 484.67 | 150.0 | 5 | 0.93 | 150.000 | 0.010 | 0.74 | 0.31323 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2013 | MH-2013 | MH-2014 | 485.73 | 484.28 | 484.14 | 150.0 | 21 | 1.11 | 150.000 | 0.010 | 0.75 | 0.32709 |
| CO-2014 | MH-2014 | MH-2015 | 485.20 | 484.14 | 483.91 | 150.0 | 34 | 1.05 | 150.000 | 0.010 | 0.76 | 0.34095 |
| CO-2015 | MH-2015 | MH-2016 | 485.25 | 483.91 | 483.80 | 150.0 | 17 | 1.31 | 150.000 | 0.010 | 0.77 | 0.35481 |
| CO-2027 | MH-2016 | MH-2028 | 485.39 | 483.80 | 483.70 | 150.0 | 15 | 1.50 | 150.000 | 0.010 | 0.77 | 0.36867 |
| CO-2028 | MH-2028 | MH-2029 | 485.41 | 483.70 | 483.52 | 150.0 | 27 | 1.71 | 150.000 | 0.010 | 0.78 | 0.38252 |
| CO-2029 | MH-2029 | MH-2030 | 485.53 | 483.52 | 483.37 | 150.0 | 23 | 1.96 | 150.000 | 0.010 | 0.79 | 0.39638 |
| CO-2033 | MH-2030 | MH-2034 | 485.58 | 483.37 | 483.16 | 150.0 | 32 | 2.19 | 150.000 | 0.010 | 0.82 | 0.45181 |
| CO-2926 | MH-2034 | MH-2924 | 485.63 | 483.16 | 483.03 | 150.0 | 19 | 2.43 | 150.000 | 0.010 | 0.82 | 0.46567 |
| CO-2928 | MH-2924 | MH-2926 | 485.72 | 483.03 | 482.92 | 150.0 | 18 | 2.36 | 150.000 | 0.010 | 0.83 | 0.47928 |
| CO-2929 | MH-2926 | MH-2927 | 485.25 | 482.92 | 482.78 | 150.0 | 21 | 2.32 | 150.000 | 0.010 | 0.84 | 0.49289 |
| CO-2930 | MH-2927 | MH-2049 | 485.38 | 482.78 | 482.65 | 150.0 | 19 | 2.63 | 150.000 | 0.010 | 0.84 | 0.50650 |
| CO-2048 | MH-2049 | MH-2050 | 485.61 | 482.65 | 482.45 | 150.0 | 30 | 3.09 | 150.000 | 0.010 | 0.85 | 0.52035 |
| CO-2049 | MH-2050 | MH-2051 | 485.97 | 482.45 | 482.28 | 150.0 | 25 | 3.43 | 150.000 | 0.010 | 0.85 | 0.53421 |
| CO-2050 | MH-2051 | MH-2052 | 485.92 | 482.28 | 482.11 | 150.0 | 26 | 3.53 | 150.000 | 0.010 | 0.86 | 0.54807 |
| CO-2051 | MH-2052 | MH-2053 | 485.83 | 482.11 | 481.93 | 150.0 | 27 | 3.20 | 150.000 | 0.010 | 0.87 | 0.56193 |
| CO-2055 | MH-2053 | MH-2057 | 484.91 | 481.93 | 481.78 | 150.0 | 23 | 2.72 | 150.000 | 0.010 | 0.89 | 0.61736 |
| CO-2056 | MH-2057 | MH-2058 | 484.54 | 481.78 | 481.64 | 150.0 | 21 | 2.44 | 150.000 | 0.010 | 0.89 | 0.63122 |
| CO-2060 | MH-2058 | MH-2062 | 484.06 | 481.64 | 481.51 | 150.0 | 19 | 2.16 | 150.000 | 0.010 | 0.90 | 0.64508 |
| CO-2061 | MH-2062 | MH-2063 | 483.70 | 481.51 | 481.34 | 150.0 | 26 | 1.81 | 150.000 | 0.010 | 0.90 | 0.65893 |
| CO-2062 | MH-2063 | MH-2064 | 483.06 | 481.34 | 481.09 | 150.0 | 36 | 1.27 | 150.000 | 0.010 | 0.91 | 0.67279 |
| CO-2068 | MH-2064 | MH-2070 | 482.21 | 480.44 | 480.31 | 150.0 | 19 | 1.61 | 150.000 | 0.010 | 0.94 | 0.78366 |
| CO-2069 | MH-2070 | MH-2071 | 482.06 | 480.31 | 480.13 | 150.0 | 27 | 1.70 | 150.000 | 0.010 | 0.95 | 0.79751 |
| CO-2077 | MH-2071 | MH-2080 | 482.07 | 480.13 | 480.02 | 150.0 | 16 | 1.86 | 150.000 | 0.010 | 0.95 | 0.82523 |
| CO-2078 | MH-2080 | MH-2081 | 482.09 | 480.02 | 479.85 | 150.0 | 26 | 2.01 | 150.000 | 0.010 | 0.96 | 0.83909 |
| CO-2079 | MH-2081 | MH-2048 | 482.09 | 479.85 | 479.66 | 150.0 | 28 | 2.40 | 150.000 | 0.010 | 0.96 | 0.85295 |
| CO-2932 | MH-2928 | MH-2037 | 485.72 | 483.86 | 483.76 | 150.0 | 16 | 1.31 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2037 | MH-2037 | MH-2038 | 484.82 | 483.76 | 483.57 | 150.0 | 27 | 1.02 | 150.000 | 0.010 | 0.36 | 0.02747 |
| CO-2038 | MH-2038 | MH-2039 | 484.86 | 483.57 | 483.36 | 150.0 | 32 | 1.57 | 150.000 | 0.010 | 0.41 | 0.04132 |
| CO-2039 | MH-2039 | MH-2040 | 485.51 | 483.36 | 483.19 | 150.0 | 25 | 1.89 | 150.000 | 0.010 | 0.44 | 0.05518 |
| CO-2040 | MH-2040 | MH-2041 | 485.11 | 483.19 | 483.00 | 150.0 | 29 | 1.64 | 150.000 | 0.010 | 0.48 | 0.06904 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2041 | MH-2041 | MH-2042 | 484.65 | 483.00 | 482.77 | 150.0 | 34 | 1.37 | 150.000 | 0.010 | 0.50 | 0.08290 |
| CO-2042 | MH-2042 | MH-2043 | 484.15 | 482.77 | 482.55 | 150.0 | 33 | 1.22 | 150.000 | 0.010 | 0.53 | 0.09676 |
| CO-2043 | MH-2043 | MH-2044 | 483.92 | 482.55 | 482.38 | 150.0 | 27 | 1.21 | 150.000 | 0.010 | 0.55 | 0.11061 |
| CO-2044 | MH-2044 | MH-2045 | 483.74 | 482.38 | 482.17 | 150.0 | 30 | 1.23 | 150.000 | 0.010 | 0.57 | 0.12447 |
| CO-2045 | MH-2045 | MH-2046 | 483.56 | 482.17 | 481.98 | 150.0 | 30 | 1.32 | 150.000 | 0.010 | 0.58 | 0.13833 |
| CO-2046 | MH-2046 | MH-2047 | 483.52 | 481.98 | 481.70 | 150.0 | 41 | 1.68 | 150.000 | 0.010 | 0.60 | 0.15219 |
| CO-2047 | MH-2047 | MH-2048 | 483.81 | 481.67 | 481.45 | 150.0 | 33 | 1.45 | 150.000 | 0.010 | 0.62 | 0.16605 |
| CO-2080 | MH-2048 | MH-2079 | 482.51 | 479.66 | 479.50 | 150.0 | 31 | 2.55 | 200.000 | 0.010 | 0.89 | 1.03285 |
| CO-2073 | MH-2076 | MH-2074 | 481.31 | 480.25 | 480.10 | 150.0 | 22 | 1.07 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2070 | MH-2072 | MH-2073 | 481.67 | 480.55 | 480.42 | 150.0 | 19 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2071 | MH-2073 | MH-2074 | 481.49 | 480.42 | 480.28 | 150.0 | 21 | 0.98 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2074 | MH-2074 | MH-2077 | 481.47 | 480.10 | 479.92 | 150.0 | 26 | 1.31 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2075 | MH-2077 | MH-2078 | 481.46 | 479.92 | 479.77 | 150.0 | 23 | 1.53 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2076 | MH-2078 | MH-2079 | 481.59 | 479.77 | 479.59 | 150.0 | 27 | 1.99 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2081 | MH-2079 | MH-2082 | 482.05 | 479.50 | 479.38 | 150.0 | 26 | 2.22 | 200.000 | 0.010 | 0.90 | 1.12986 |
| CO-2094 | MH-2082 | MH-2094 | 481.57 | 479.33 | 479.26 | 200.0 | 21 | 1.91 | 350.000 | 0.010 | 0.78 | 1.33698 |
| CO-2102 | MH-2094 | MH-2102 | 481.23 | 479.26 | 479.20 | 200.0 | 23 | 1.62 | 350.000 | 0.010 | 0.79 | 1.44784 |
| CO-2103 | MH-2102 | MH-2103 | 480.88 | 479.20 | 479.14 | 200.0 | 20 | 1.27 | 350.000 | 0.010 | 0.79 | 1.46170 |
| CO-2108 | MH-2103 | MH-2108 | 480.39 | 478.78 | 478.71 | 200.0 | 24 | 1.23 | 350.000 | 0.010 | 0.81 | 1.59903 |
| CO-2113 | MH-2108 | MH-2113 | 479.96 | 478.49 | 478.31 | 200.0 | 24 | 1.13 | 134.256 | 0.010 | 1.19 | 1.66832 |
| CO-2118 | MH-2113 | MH-2118 | 479.51 | 478.13 | 477.94 | 200.0 | 25 | 1.09 | 127.378 | 0.010 | 1.22 | 1.73761 |
| CO-2335 | MH-2337 | MH-2336 | 480.03 | 478.93 | 478.80 | 150.0 | 19 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2333 | MH-2335 | MH-2334 | 480.83 | 479.77 | 479.64 | 150.0 | 20 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2329 | MH-2330 | MH-2331 | 481.81 | 480.75 | 480.63 | 150.0 | 17 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2330 | MH-2331 | MH-2332 | 481.82 | 480.63 | 480.52 | 150.0 | 17 | 1.08 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2331 | MH-2332 | MH-2333 | 481.79 | 480.52 | 480.38 | 150.0 | 22 | 1.04 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2332 | MH-2333 | MH-2334 | 481.49 | 480.14 | 479.98 | 150.0 | 24 | 1.06 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2334 | MH-2334 | MH-2336 | 481.04 | 479.03 | 478.80 | 150.0 | 34 | 1.39 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2336 | MH-2336 | MH-2338 | 479.87 | 478.37 | 478.17 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2337 | MH-2338 | MH-2329 | 479.23 | 478.17 | 477.98 | 150.0 | 28 | 1.10 | 150.000 | 0.010 | 0.57 | 0.12472 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2324 | MH-2326 | MH-2325 | 480.15 | 479.09 | 478.96 | 150.0 | 19 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2322 | MH-2323 | MH-2324 | 480.78 | 479.72 | 479.59 | 150.0 | 18 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2323 | MH-2324 | MH-2325 | 480.85 | 479.19 | 478.97 | 150.0 | 34 | 1.21 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2325 | MH-2325 | MH-2327 | 480.03 | 478.78 | 478.64 | 150.0 | 21 | 1.01 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2326 | MH-2327 | MH-2328 | 479.70 | 478.60 | 478.44 | 150.0 | 23 | 0.93 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2327 | MH-2328 | MH-2322 | 479.51 | 478.44 | 478.35 | 150.0 | 14 | 1.05 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2317 | MH-2318 | MH-2319 | 481.07 | 479.83 | 479.71 | 150.0 | 18 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2318 | MH-2319 | MH-2320 | 480.78 | 479.37 | 479.12 | 150.0 | 38 | 1.09 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2319 | MH-2320 | MH-2321 | 480.18 | 479.12 | 478.91 | 150.0 | 31 | 1.01 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2320 | MH-2321 | MH-2317 | 480.17 | 478.91 | 478.75 | 150.0 | 25 | 1.19 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2313 | MH-2314 | MH-2315 | 480.26 | 479.19 | 479.06 | 150.0 | 20 | 1.14 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2314 | MH-2315 | MH-2316 | 480.59 | 479.06 | 478.80 | 150.0 | 40 | 1.54 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2315 | MH-2316 | MH-2313 | 480.66 | 478.80 | 478.63 | 150.0 | 26 | 1.78 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-3061 | MH-3039 | MH-2308 | 482.54 | 480.97 | 480.81 | 150.0 | 23 | 1.17 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2305 | MH-2307 | MH-2308 | 482.04 | 480.94 | 480.81 | 150.0 | 19 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2306 | MH-2308 | MH-2309 | 481.88 | 480.27 | 480.09 | 150.0 | 27 | 1.19 | 150.000 | 0.010 | 0.41 | 0.04132 |
| CO-2307 | MH-2309 | MH-2310 | 481.16 | 479.92 | 479.81 | 150.0 | 17 | 1.00 | 150.000 | 0.010 | 0.44 | 0.05518 |
| CO-2308 | MH-2310 | MH-2306 | 480.87 | 479.78 | 479.65 | 150.0 | 19 | 0.93 | 150.000 | 0.010 | 0.48 | 0.06904 |
| CO-3059 | MH-3037 | MH-3038 | 482.16 | 480.53 | 480.41 | 150.0 | 18 | 1.20 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3060 | MH-3038 | MH-2304 | 481.47 | 480.29 | 480.17 | 150.0 | 18 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2303 | MH-2305 | MH-2304 | 481.81 | 480.34 | 480.17 | 150.0 | 25 | 1.12 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2300 | MH-2302 | MH-2301 | 482.29 | 481.20 | 481.00 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2299 | MH-2300 | MH-2301 | 482.56 | 481.18 | 481.00 | 150.0 | 27 | 1.07 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2301 | MH-2301 | MH-2303 | 482.06 | 480.45 | 480.26 | 150.0 | 27 | 1.19 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2302 | MH-2303 | MH-2304 | 481.33 | 480.26 | 480.07 | 150.0 | 30 | 0.97 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2304 | MH-2304 | MH-2306 | 481.24 | 479.81 | 479.65 | 150.0 | 24 | 1.10 | 150.000 | 0.010 | 0.55 | 0.11036 |
| CO-2309 | MH-2306 | MH-2311 | 480.72 | 479.65 | 479.49 | 150.0 | 25 | 1.13 | 150.000 | 0.010 | 0.64 | 0.19326 |
| CO-2310 | MH-2311 | MH-2312 | 480.98 | 479.49 | 479.31 | 150.0 | 27 | 1.61 | 150.000 | 0.010 | 0.66 | 0.20712 |
| CO-2311 | MH-2312 | MH-2299 | 481.32 | 479.31 | 479.14 | 150.0 | 25 | 2.08 | 150.000 | 0.010 | 0.67 | 0.22098 |
| CO-2291 | MH-2293 | MH-2294 | 485.66 | 484.07 | 483.82 | 150.0 | 37 | 1.17 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2292 | MH-2294 | MH-2295 | 484.89 | 483.17 | 482.98 | 150.0 | 29 | 1.24 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2293 | MH-2295 | MH-2296 | 484.05 | 482.31 | 482.09 | 150.0 | 34 | 1.25 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2294 | MH-2296 | MH-2292 | 483.15 | 481.55 | 481.35 | 150.0 | 30 | 1.19 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2281 | MH-2283 | MH-2284 | 485.48 | 483.91 | 483.73 | 150.0 | 27 | 1.17 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2282 | MH-2284 | MH-2285 | 484.79 | 483.18 | 482.99 | 150.0 | 30 | 1.19 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2283 | MH-2285 | MH-2286 | 484.05 | 482.30 | 482.09 | 150.0 | 32 | 1.26 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2284 | MH-2286 | MH-2282 | 483.15 | 481.60 | 481.33 | 150.0 | 41 | 1.16 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2276 | MH-2277 | MH-2278 | 482.73 | 481.44 | 481.26 | 150.0 | 27 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2277 | MH-2278 | MH-2279 | 482.32 | 481.15 | 480.98 | 150.0 | 25 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2278 | MH-2279 | MH-2280 | 482.04 | 480.98 | 480.81 | 150.0 | 26 | 0.98 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2279 | MH-2280 | MH-2281 | 481.99 | 480.81 | 480.68 | 150.0 | 19 | 1.17 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2280 | MH-2281 | MH-2282 | 482.13 | 480.68 | 480.48 | 150.0 | 30 | 1.53 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2290 | MH-2282 | MH-2292 | 482.39 | 480.48 | 480.36 | 150.0 | 18 | 1.83 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2295 | MH-2292 | MH-2297 | 482.41 | 480.36 | 480.26 | 150.0 | 15 | 2.03 | 150.000 | 0.010 | 0.66 | 0.20787 |
| CO-2296 | MH-2297 | MH-2229 | 482.57 | 480.26 | 480.16 | 150.0 | 15 | 2.29 | 150.000 | 0.010 | 0.67 | 0.22173 |
| CO-2234 | MH-2236 | MH-2235 | 485.42 | 484.32 | 484.11 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2233 | MH-2234 | MH-2235 | 485.63 | 484.32 | 484.11 | 150.0 | 31 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2235 | MH-2235 | MH-2233 | 485.18 | 483.74 | 483.55 | 150.0 | 28 | 1.10 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2230 | MH-2230 | MH-2231 | 485.09 | 484.03 | 483.94 | 150.0 | 13 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2231 | MH-2231 | MH-2232 | 485.01 | 483.82 | 483.61 | 150.0 | 30 | 0.98 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2232 | MH-2232 | MH-2233 | 484.68 | 483.61 | 483.42 | 150.0 | 29 | 0.98 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2236 | MH-2233 | MH-2237 | 484.62 | 482.93 | 482.71 | 150.0 | 32 | 1.23 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2237 | MH-2237 | MH-2228 | 483.78 | 482.42 | 482.22 | 150.0 | 30 | 1.06 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2224 | MH-2224 | MH-2225 | 483.74 | 482.67 | 482.58 | 150.0 | 14 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2225 | MH-2225 | MH-2226 | 483.90 | 482.58 | 482.38 | 150.0 | 30 | 1.36 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2226 | MH-2226 | MH-2223 | 484.08 | 482.38 | 482.19 | 150.0 | 28 | 1.59 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2219 | MH-2220 | MH-2221 | 484.98 | 483.76 | 483.57 | 150.0 | 28 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2220 | MH-2221 | MH-2219 | 484.63 | 482.93 | 482.73 | 150.0 | 31 | 1.23 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2213 | MH-2214 | MH-2215 | 485.01 | 483.94 | 483.78 | 150.0 | 23 | 1.15 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2214 | MH-2215 | MH-2208 | 485.33 | 483.78 | 483.66 | 150.0 | 18 | 1.53 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2210 | MH-2211 | MH-2212 | 485.69 | 484.62 | 484.42 | 150.0 | 31 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2211 | MH-2212 | MH-2213 | 485.83 | 484.42 | 484.23 | 150.0 | 29 | 1.25 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2212 | MH-2213 | MH-2208 | 485.61 | 484.23 | 484.12 | 150.0 | 15 | 1.22 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2207 | MH-2208 | MH-2209 | 485.47 | 483.66 | 483.56 | 150.0 | 15 | 1.60 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2208 | MH-2209 | MH-2210 | 485.26 | 483.56 | 483.45 | 150.0 | 16 | 1.48 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2209 | MH-2210 | MH-2206 | 485.02 | 483.45 | 483.26 | 150.0 | 29 | 1.27 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2203 | MH-2204 | MH-2205 | 484.91 | 483.69 | 483.59 | 150.0 | 15 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2204 | MH-2205 | MH-2206 | 484.65 | 483.59 | 483.41 | 150.0 | 27 | 0.95 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2205 | MH-2206 | MH-2207 | 484.55 | 483.26 | 483.03 | 150.0 | 34 | 1.20 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2206 | MH-2207 | MH-2203 | 484.44 | 482.90 | 482.70 | 150.0 | 30 | 1.16 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2200 | MH-2200 | MH-2201 | 483.88 | 482.81 | 482.59 | 150.0 | 34 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2201 | MH-2201 | MH-2202 | 483.88 | 482.59 | 482.39 | 150.0 | 30 | 1.23 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2202 | MH-2202 | MH-2203 | 483.85 | 482.39 | 482.25 | 150.0 | 21 | 1.34 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2218 | MH-2203 | MH-2219 | 483.76 | 482.25 | 482.06 | 150.0 | 27 | 1.47 | 150.000 | 0.010 | 0.67 | 0.22173 |
| CO-2221 | MH-2219 | MH-2218 | 483.79 | 482.06 | 481.85 | 150.0 | 33 | 1.74 | 150.000 | 0.010 | 0.70 | 0.26330 |
| CO-2216 | MH-2216 | MH-2217 | 485.39 | 483.95 | 483.76 | 150.0 | 30 | 1.10 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2217 | MH-2217 | MH-2218 | 484.82 | 483.03 | 482.83 | 150.0 | 30 | 1.28 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2222 | MH-2218 | MH-2222 | 483.90 | 481.85 | 481.58 | 150.0 | 39 | 2.10 | 150.000 | 0.010 | 0.73 | 0.30488 |
| CO-2223 | MH-2222 | MH-2223 | 484.03 | 481.58 | 481.39 | 150.0 | 30 | 2.36 | 150.000 | 0.010 | 0.74 | 0.31873 |
| CO-2227 | MH-2223 | MH-2227 | 483.96 | 481.39 | 481.17 | 150.0 | 33 | 2.39 | 150.000 | 0.010 | 0.77 | 0.37417 |
| CO-2228 | MH-2227 | MH-2228 | 483.67 | 481.17 | 480.92 | 150.0 | 37 | 2.29 | 150.000 | 0.010 | 0.78 | 0.38802 |
| CO-2229 | MH-2228 | MH-2229 | 483.29 | 480.92 | 480.73 | 150.0 | 29 | 2.03 | 150.000 | 0.010 | 0.84 | 0.51275 |
| CO-2297 | MH-2229 | MH-2298 | 482.73 | 480.16 | 479.96 | 150.0 | 30 | 2.17 | 150.000 | 0.010 | 0.93 | 0.74833 |
| CO-2298 | MH-2298 | MH-2299 | 482.04 | 479.96 | 479.83 | 150.0 | 20 | 1.77 | 150.000 | 0.010 | 0.93 | 0.76219 |
| CO-2312 | MH-2299 | MH-2313 | 481.59 | 479.14 | 478.95 | 150.0 | 37 | 1.91 | 200.000 | 0.010 | 0.88 | 0.99703 |
| CO-2316 | MH-2313 | MH-2317 | 480.62 | 478.63 | 478.49 | 150.0 | 27 | 1.68 | 200.000 | 0.010 | 0.89 | 1.05246 |
| CO-2321 | MH-2317 | MH-2322 | 480.16 | 478.49 | 478.38 | 150.0 | 22 | 1.34 | 200.000 | 0.010 | 0.90 | 1.12175 |
| CO-2328 | MH-2322 | MH-2329 | 479.68 | 478.33 | 478.20 | 170.0 | 26 | 1.11 | 200.000 | 0.010 | 0.94 | 1.21875 |
| CO-2338 | MH-2329 | MH-2339 | 479.41 | 477.93 | 477.84 | 200.0 | 30 | 1.35 | 350.000 | 0.010 | 0.78 | 1.35733 |
| CO-2339 | MH-2339 | MH-2340 | 479.47 | 477.84 | 477.77 | 200.0 | 27 | 1.56 | 350.000 | 0.010 | 0.78 | 1.37119 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2341 | MH-2340 | MH-2342 | 479.67 | 477.77 | 477.71 | 200.0 | 20 | 1.77 | 350.000 | 0.010 | 0.79 | 1.38505 |
| CO-2342 | MH-2342 | MH-2343 | 479.75 | 477.71 | 477.62 | 200.0 | 30 | 1.71 | 350.000 | 0.010 | 0.79 | 1.39891 |
| CO-2343 | MH-2343 | MH-2118 | 479.40 | 477.62 | 477.57 | 200.0 | 19 | 1.47 | 350.000 | 0.010 | 0.79 | 1.41277 |
| CO-2119 | MH-2119 | MH-2120 | 479.79 | 478.60 | 478.49 | 150.0 | 16 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2162 | MH-2165 | MH-2166 | 482.13 | 481.07 | 480.84 | 150.0 | 34 | 1.24 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2163 | MH-2166 | MH-2164 | 482.55 | 480.84 | 480.65 | 150.0 | 28 | 1.59 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2967 | MH-2954 | MH-2955 | 482.13 | 481.06 | 480.93 | 150.0 | 20 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2968 | MH-2955 | MH-2956 | 482.35 | 480.93 | 480.80 | 150.0 | 20 | 1.48 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2969 | MH-2956 | MH-2957 | 482.63 | 480.80 | 480.66 | 150.0 | 21 | 1.77 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2972 | MH-2957 | MH-2958 | 482.67 | 480.66 | 480.54 | 150.0 | 18 | 2.16 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-2933 | MH-2929 | MH-2930 | 484.66 | 483.59 | 483.47 | 150.0 | 18 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2934 | MH-2930 | MH-2931 | 484.63 | 483.37 | 483.25 | 150.0 | 18 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2935 | MH-2931 | MH-2937 | 484.32 | 482.58 | 482.47 | 150.0 | 17 | 1.25 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2939 | MH-2934 | MH-2935 | 482.42 | 481.36 | 481.25 | 150.0 | 17 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2940 | MH-2935 | MH-2936 | 482.50 | 481.25 | 481.11 | 150.0 | 21 | 1.28 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2941 | MH-2936 | MH-2937 | 482.71 | 481.11 | 481.00 | 150.0 | 16 | 1.92 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2944 | MH-2939 | MH-2940 | 482.37 | 481.31 | 481.17 | 150.0 | 21 | 1.05 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2945 | MH-2940 | MH-2938 | 482.51 | 481.17 | 480.96 | 150.0 | 31 | 1.79 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2156 | MH-2159 | MH-2158 | 484.73 | 483.66 | 483.52 | 150.0 | 22 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2169 | MH-2158 | MH-2172 | 484.81 | 483.49 | 483.28 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2170 | MH-2172 | MH-2173 | 484.35 | 482.98 | 482.81 | 150.0 | 27 | 1.06 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2943 | MH-2173 | MH-2938 | 483.87 | 482.53 | 482.44 | 150.0 | 12 | 1.05 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2942 | MH-2937 | MH-2938 | 483.53 | 480.83 | 480.96 | 150.0 | 21 | 2.48 | 150.000 | 0.010 | 0.52 | 0.09626 |
| CO-2938 | MH-2937 | MH-2933 | 483.53 | 480.83 | 480.69 | 150.0 | 20 | 2.61 | 150.000 | 0.010 | 0.64 | 0.19151 |
| CO-2130 | MH-2132 | MH-2133 | 487.71 | 486.65 | 486.46 | 150.0 | 28 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2131 | MH-2133 | MH-2134 | 487.62 | 486.46 | 486.23 | 150.0 | 34 | 1.13 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2132 | MH-2134 | MH-2135 | 487.64 | 486.23 | 486.03 | 150.0 | 30 | 1.40 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-3073 | MH-2135 | MH-2136 | 487.72 | 485.98 | 485.84 | 150.0 | 16 | 1.70 | 116.345 | 0.010 | 0.49 | 0.05543 |
| CO-2921 | MH-2919 | MH-2136 | 487.22 | 485.66 | 485.84 | 150.0 | 18 | 1.61 | 100.000 | 0.010 | 0.55 | 0.06929 |
| CO-2920 | MH-2916 | MH-2919 | 486.63 | 485.56 | 485.66 | 150.0 | 15 | 1.16 | 150.000 | 0.010 | 0.50 | 0.08290 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3065 | MH-2916 | MH-3041 | 486.63 | 485.45 | 485.11 | 150.0 | 22 | 1.01 | 65.515 | 0.010 | 0.70 | 0.09651 |
| CO-3067 | MH-3041 | MH-3042 | 486.26 | 485.02 | 484.90 | 150.0 | 18 | 1.00 | 150.000 | 0.010 | 0.54 | 0.10315 |
| CO-3069 | MH-3042 | MH-3043 | 485.96 | 484.71 | 484.57 | 150.0 | 20 | 1.01 | 150.000 | 0.010 | 0.55 | 0.10979 |
| CO-3071 | MH-3043 | MH-3044 | 485.64 | 484.38 | 484.25 | 150.0 | 19 | 1.01 | 150.000 | 0.010 | 0.55 | 0.11643 |
| CO-3072 | MH-3044 | MH-2150 | 485.32 | 484.00 | 483.83 | 150.0 | 26 | 1.04 | 150.000 | 0.010 | 0.56 | 0.12307 |
| CO-2149 | MH-2150 | MH-2151 | 484.89 | 483.09 | 482.94 | 150.0 | 23 | 1.64 | 150.000 | 0.010 | 0.58 | 0.13693 |
| CO-2157 | MH-2151 | MH-2160 | 484.72 | 482.94 | 482.84 | 150.0 | 14 | 1.73 | 150.000 | 0.010 | 0.60 | 0.15079 |
| CO-2158 | MH-2160 | MH-2161 | 484.83 | 482.84 | 482.64 | 150.0 | 30 | 1.68 | 150.000 | 0.010 | 0.61 | 0.16465 |
| CO-2159 | MH-2161 | MH-2162 | 484.30 | 482.64 | 482.48 | 150.0 | 23 | 1.30 | 150.000 | 0.010 | 0.63 | 0.17851 |
| CO-2936 | MH-2162 | MH-2933 | 483.73 | 482.48 | 482.42 | 150.0 | 10 | 1.02 | 150.000 | 0.010 | 0.64 | 0.19236 |
| CO-2970 | MH-2933 | MH-2958 | 483.51 | 480.69 | 480.63 | 150.0 | 9 | 2.52 | 150.000 | 0.010 | 0.79 | 0.39748 |
| CO-2971 | MH-2958 | MH-2163 | 483.14 | 480.54 | 480.48 | 150.0 | 8 | 2.39 | 150.000 | 0.010 | 0.82 | 0.46552 |
| CO-2161 | MH-2163 | MH-2164 | 482.95 | 480.48 | 480.33 | 150.0 | 23 | 2.13 | 150.000 | 0.010 | 0.83 | 0.47938 |
| CO-2164 | MH-2164 | MH-2167 | 482.42 | 480.33 | 480.16 | 150.0 | 25 | 1.74 | 150.000 | 0.010 | 0.85 | 0.52096 |
| CO-2165 | MH-2167 | MH-2168 | 481.85 | 480.16 | 479.94 | 150.0 | 33 | 1.59 | 150.000 | 0.010 | 0.85 | 0.53481 |
| CO-3012 | MH-2992 | MH-2993 | 480.72 | 479.66 | 479.49 | 150.0 | 25 | 1.18 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3013 | MH-2993 | MH-2168 | 481.09 | 479.49 | 479.39 | 150.0 | 15 | 1.82 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2166 | MH-2168 | MH-2169 | 481.73 | 479.39 | 479.22 | 150.0 | 25 | 2.37 | 150.000 | 0.010 | 0.87 | 0.57589 |
| CO-2167 | MH-2169 | MH-2170 | 481.92 | 479.22 | 479.07 | 150.0 | 23 | 2.53 | 150.000 | 0.010 | 0.88 | 0.58975 |
| CO-3009 | MH-2989 | MH-2990 | 479.88 | 478.81 | 478.67 | 150.0 | 22 | 1.26 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3010 | MH-2990 | MH-2991 | 480.42 | 478.67 | 478.54 | 150.0 | 19 | 1.82 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3011 | MH-2991 | MH-2170 | 480.73 | 478.54 | 478.46 | 150.0 | 12 | 2.58 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2168 | MH-2170 | MH-2171 | 481.73 | 478.46 | 478.26 | 150.0 | 30 | 2.98 | 150.000 | 0.010 | 0.90 | 0.64443 |
| CO-2188 | MH-2171 | MH-2191 | 481.25 | 478.26 | 478.09 | 150.0 | 26 | 2.69 | 150.000 | 0.010 | 0.90 | 0.65829 |
| CO-2189 | MH-2191 | MH-2192 | 480.78 | 478.09 | 477.91 | 150.0 | 27 | 2.19 | 150.000 | 0.010 | 0.91 | 0.67214 |
| CO-2190 | MH-2192 | MH-2120 | 479.91 | 477.91 | 477.80 | 150.0 | 17 | 1.73 | 150.000 | 0.010 | 0.91 | 0.68600 |
| CO-2191 | MH-2120 | MH-2193 | 479.56 | 477.80 | 477.67 | 150.0 | 20 | 1.65 | 150.000 | 0.010 | 0.92 | 0.71372 |
| CO-2192 | MH-2193 | MH-2194 | 479.50 | 477.67 | 477.46 | 150.0 | 30 | 1.88 | 150.000 | 0.010 | 0.92 | 0.72758 |
| CO-2193 | MH-2194 | MH-2118 | 479.68 | 477.46 | 477.19 | 150.0 | 41 | 1.93 | 150.000 | 0.010 | 0.93 | 0.74143 |
| CO-2199 | MH-2118 | MH-2198 | 479.14 | 477.04 | 476.94 | 300.0 | 25 | 1.67 | 250.929 | 0.011 | 1.08 | 3.90567 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2194 | MH-2195 | MH-2190 | 479.48 | 478.35 | 478.22 | 150.0 | 19 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2907 | MH-2907 | MH-2187 | 481.49 | 480.42 | 480.27 | 150.0 | 22 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2181 | MH-2184 | MH-2185 | 482.64 | 481.57 | 481.39 | 150.0 | 27 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2182 | MH-2185 | MH-2186 | 482.51 | 481.05 | 480.85 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2183 | MH-2186 | MH-2187 | 481.91 | 480.50 | 480.32 | 150.0 | 26 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2184 | MH-2187 | MH-2183 | 481.39 | 480.07 | 479.90 | 150.0 | 26 | 1.04 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2176 | MH-2179 | MH-2180 | 481.97 | 480.75 | 480.62 | 150.0 | 20 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2177 | MH-2180 | MH-2178 | 481.69 | 480.58 | 480.47 | 150.0 | 17 | 0.94 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2973 | MH-2959 | MH-2960 | 482.17 | 481.10 | 481.02 | 150.0 | 12 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2974 | MH-2960 | MH-2177 | 482.13 | 481.02 | 480.90 | 150.0 | 18 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2173 | MH-2175 | MH-2176 | 483.49 | 482.07 | 481.96 | 150.0 | 16 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2174 | MH-2176 | MH-2177 | 483.03 | 481.24 | 481.00 | 150.0 | 36 | 1.28 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2175 | MH-2177 | MH-2178 | 482.07 | 480.72 | 480.47 | 150.0 | 37 | 1.06 | 150.000 | 0.010 | 0.47 | 0.06879 |
| CO-2179 | MH-2178 | MH-2182 | 481.53 | 480.36 | 480.22 | 150.0 | 21 | 0.97 | 150.000 | 0.010 | 0.55 | 0.11036 |
| CO-2180 | MH-2182 | MH-2183 | 481.28 | 480.06 | 479.90 | 150.0 | 23 | 1.00 | 150.000 | 0.010 | 0.57 | 0.12422 |
| CO-2185 | MH-2183 | MH-2188 | 480.97 | 479.67 | 479.52 | 150.0 | 23 | 1.03 | 150.000 | 0.010 | 0.66 | 0.20737 |
| CO-2186 | MH-2188 | MH-2189 | 480.58 | 478.95 | 478.75 | 150.0 | 30 | 1.20 | 150.000 | 0.010 | 0.67 | 0.22123 |
| CO-2187 | MH-2189 | MH-2190 | 479.81 | 478.42 | 478.22 | 150.0 | 30 | 1.08 | 150.000 | 0.010 | 0.68 | 0.23509 |
| CO-2195 | MH-2190 | MH-2196 | 479.28 | 478.01 | 477.86 | 150.0 | 23 | 1.02 | 150.000 | 0.010 | 0.70 | 0.26280 |
| CO-2196 | MH-2196 | MH-2197 | 478.92 | 477.86 | 477.64 | 150.0 | 33 | 0.97 | 150.000 | 0.010 | 0.71 | 0.27666 |
| CO-2197 | MH-2197 | MH-2198 | 478.80 | 477.64 | 477.42 | 150.0 | 33 | 1.11 | 150.000 | 0.010 | 0.72 | 0.29052 |
| CO-2369 | MH-2198 | MH-2369 | 478.78 | 476.94 | 476.87 | 300.0 | 23 | 1.47 | 350.000 | 0.011 | 0.97 | 4.36248 |
| CO-2366 | MH-2367 | MH-2366 | 479.05 | 477.85 | 477.75 | 150.0 | 16 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2364 | MH-2365 | MH-2364 | 478.96 | 477.89 | 477.76 | 150.0 | 20 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2361 | MH-2362 | MH-2361 | 479.97 | 478.91 | 478.79 | 150.0 | 17 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2358 | MH-2359 | MH-2358 | 480.95 | 479.73 | 479.61 | 150.0 | 18 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2354 | MH-2354 | MH-2355 | 481.38 | 480.21 | 480.11 | 150.0 | 16 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2355 | MH-2355 | MH-2356 | 481.17 | 480.04 | 479.97 | 150.0 | 11 | 0.95 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2356 | MH-2356 | MH-2357 | 481.03 | 479.97 | 479.86 | 150.0 | 16 | 0.92 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2357 | MH-2357 | MH-2358 | 480.93 | 479.78 | 479.61 | 150.0 | 25 | 0.96 | 150.000 | 0.010 | 0.44 | 0.05543 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2359 | MH-2358 | MH-2360 | 480.67 | 479.45 | 479.31 | 150.0 | 21 | 0.99 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2360 | MH-2360 | MH-2361 | 480.38 | 479.12 | 479.02 | 150.0 | 15 | 1.01 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2362 | MH-2361 | MH-2363 | 480.09 | 478.35 | 478.15 | 150.0 | 30 | 1.25 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2363 | MH-2363 | MH-2364 | 479.21 | 477.98 | 477.80 | 150.0 | 28 | 1.00 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2365 | MH-2364 | MH-2366 | 478.86 | 477.76 | 477.49 | 150.0 | 41 | 1.07 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2367 | MH-2366 | MH-2368 | 478.81 | 477.49 | 477.23 | 150.0 | 38 | 1.37 | 150.000 | 0.010 | 0.64 | 0.19401 |
| CO-2368 | MH-2368 | MH-2369 | 478.94 | 477.23 | 477.06 | 150.0 | 26 | 1.46 | 150.000 | 0.010 | 0.66 | 0.20787 |
| CO-3018 | MH-2997 | MH-2998 | 478.83 | 477.61 | 477.47 | 150.0 | 20 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3019 | MH-2998 | MH-2999 | 478.54 | 477.47 | 477.30 | 150.0 | 26 | 1.12 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3020 | MH-2999 | MH-3000 | 478.78 | 477.30 | 477.16 | 150.0 | 21 | 1.35 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3021 | MH-3000 | MH-2369 | 478.67 | 477.16 | 477.03 | 150.0 | 19 | 1.37 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-2381 | MH-2369 | MH-2381 | 478.57 | 476.87 | 476.69 | 300.0 | 24 | 1.37 | 133.385 | 0.011 | 1.43 | 4.63864 |
| CO-2378 | MH-2379 | MH-2378 | 478.74 | 477.61 | 477.48 | 150.0 | 20 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2376 | MH-2377 | MH-2376 | 478.87 | 477.81 | 477.68 | 150.0 | 20 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2373 | MH-2374 | MH-2373 | 479.93 | 478.87 | 478.75 | 150.0 | 18 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2370 | MH-2370 | MH-2371 | 480.59 | 479.46 | 479.35 | 150.0 | 17 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2371 | MH-2371 | MH-2372 | 480.41 | 479.11 | 478.97 | 150.0 | 20 | 1.03 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2372 | MH-2372 | MH-2373 | 480.04 | 478.94 | 478.84 | 150.0 | 15 | 0.93 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2374 | MH-2373 | MH-2375 | 479.91 | 478.33 | 478.12 | 150.0 | 31 | 1.17 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2375 | MH-2375 | MH-2376 | 479.19 | 477.94 | 477.77 | 150.0 | 25 | 1.01 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2377 | MH-2376 | MH-2378 | 478.83 | 477.68 | 477.44 | 150.0 | 35 | 0.98 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2379 | MH-2378 | MH-2380 | 478.55 | 477.44 | 477.20 | 150.0 | 36 | 0.99 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2380 | MH-2380 | MH-2381 | 478.39 | 477.20 | 477.03 | 150.0 | 26 | 1.10 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-3022 | MH-3001 | MH-3002 | 478.59 | 477.43 | 477.26 | 150.0 | 25 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3023 | MH-3002 | MH-3003 | 478.33 | 477.26 | 477.11 | 150.0 | 23 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3024 | MH-3003 | MH-3004 | 478.33 | 477.11 | 476.95 | 150.0 | 24 | 1.18 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3025 | MH-3004 | MH-2381 | 478.39 | 476.95 | 476.84 | 150.0 | 16 | 1.32 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-2391 | MH-2381 | MH-2391 | 478.34 | 476.69 | 476.54 | 300.0 | 25 | 1.18 | 170.982 | 0.011 | 1.31 | 4.85937 |
| CO-2388 | MH-2389 | MH-2388 | 478.49 | 477.35 | 477.21 | 150.0 | 21 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2386 | MH-2387 | MH-2386 | 478.80 | 477.73 | 477.61 | 150.0 | 19 | 0.91 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2383 | MH-2384 | MH-2383 | 479.94 | 478.76 | 478.63 | 150.0 | 19 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2382 | MH-2382 | MH-2383 | 480.14 | 478.82 | 478.63 | 150.0 | 27 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2384 | MH-2383 | MH-2385 | 479.70 | 478.25 | 478.05 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2385 | MH-2385 | MH-2386 | 479.11 | 477.78 | 477.61 | 150.0 | 26 | 1.05 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2387 | MH-2386 | MH-2388 | 478.67 | 477.43 | 477.21 | 150.0 | 33 | 1.00 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2389 | MH-2388 | MH-2390 | 478.27 | 477.21 | 476.99 | 150.0 | 32 | 0.96 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2390 | MH-2390 | MH-2391 | 478.15 | 476.96 | 476.78 | 150.0 | 27 | 0.98 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-3026 | MH-3005 | MH-3006 | 477.88 | 476.82 | 476.69 | 150.0 | 19 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3027 | MH-3006 | MH-3007 | 477.94 | 476.69 | 476.62 | 150.0 | 10 | 1.22 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3028 | MH-3007 | MH-2391 | 478.11 | 476.62 | 476.50 | 150.0 | 19 | 1.27 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2392 | MH-2391 | MH-2392 | 477.84 | 476.35 | 476.09 | 300.0 | 28 | 1.12 | 110.961 | 0.011 | 1.56 | 5.03877 |
| CO-3029 | MH-3008 | MH-3009 | 477.75 | 476.69 | 476.60 | 150.0 | 13 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3030 | MH-3009 | MH-3010 | 477.74 | 476.60 | 476.48 | 150.0 | 19 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3031 | MH-3010 | MH-2392 | 477.63 | 476.48 | 476.36 | 150.0 | 18 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-2401 | MH-2392 | MH-2401 | 477.43 | 476.09 | 475.87 | 300.0 | 22 | 1.02 | 100.000 | 0.011 | 1.64 | 5.20432 |
| CO-3048 | MH-3027 | MH-3028 | 478.15 | 476.67 | 476.56 | 150.0 | 17 | 1.12 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3049 | MH-3028 | MH-3029 | 477.62 | 476.28 | 476.16 | 150.0 | 18 | 1.05 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3050 | MH-3029 | MH-2401 | 477.22 | 476.16 | 476.03 | 150.0 | 20 | 0.95 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3032 | MH-3011 | MH-3012 | 477.78 | 476.55 | 476.41 | 150.0 | 21 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3033 | MH-3012 | MH-3013 | 477.47 | 476.40 | 476.24 | 150.0 | 24 | 0.92 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3034 | MH-3013 | MH-3014 | 477.31 | 476.24 | 476.20 | 150.0 | 7 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3035 | MH-3014 | MH-3015 | 477.35 | 476.20 | 476.05 | 150.0 | 22 | 0.97 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-3036 | MH-3015 | MH-2401 | 477.12 | 476.05 | 475.91 | 150.0 | 21 | 1.02 | 150.000 | 0.010 | 0.47 | 0.06804 |
| CO-2402 | MH-2401 | MH-2402 | 477.17 | 475.76 | 475.55 | 300.0 | 26 | 1.06 | 126.207 | 0.011 | 1.51 | 5.32704 |
| CO-2421 | MH-2402 | MH-2421 | 476.85 | 474.46 | 474.39 | 350.0 | 23 | 2.08 | 350.000 | 0.011 | 1.04 | 5.69896 |
| CO-3043 | MH-3022 | MH-3023 | 477.44 | 476.26 | 476.20 | 150.0 | 10 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3044 | MH-3023 | MH-3024 | 477.26 | 476.05 | 475.92 | 150.0 | 19 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3045 | MH-3024 | MH-3025 | 476.99 | 475.92 | 475.76 | 150.0 | 25 | 0.99 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3046 | MH-3025 | MH-3026 | 476.97 | 475.76 | 475.58 | 150.0 | 27 | 1.05 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-3047 | MH-3026 | MH-2421 | 476.76 | 475.58 | 475.43 | 150.0 | 22 | 1.15 | 150.000 | 0.010 | 0.47 | 0.06804 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2701 | MH-2421 | MH-2702 | 476.85 | 474.39 | 474.32 | 350.0 | 26 | 1.94 | 350.000 | 0.011 | 1.04 | 5.80857 |
| CO-3051 | MH-3030 | MH-3031 | 477.30 | 476.00 | 475.93 | 150.0 | 10 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3052 | MH-3031 | MH-3032 | 477.00 | 475.67 | 475.54 | 150.0 | 20 | 1.05 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3053 | MH-3032 | MH-2702 | 476.60 | 475.48 | 475.37 | 150.0 | 17 | 0.94 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3037 | MH-3016 | MH-3017 | 476.94 | 475.87 | 475.76 | 150.0 | 16 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3038 | MH-3017 | MH-3018 | 476.97 | 475.63 | 475.48 | 150.0 | 22 | 1.05 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3039 | MH-3018 | MH-3019 | 476.55 | 475.46 | 475.35 | 150.0 | 18 | 0.92 | 150.000 | 0.010 | 0.41 | 0.04082 |
| CO-3040 | MH-3019 | MH-3020 | 476.41 | 475.32 | 475.22 | 150.0 | 15 | 0.93 | 150.000 | 0.010 | 0.44 | 0.05443 |
| CO-3041 | MH-3020 | MH-3021 | 476.28 | 475.22 | 475.10 | 150.0 | 17 | 1.10 | 150.000 | 0.010 | 0.47 | 0.06804 |
| CO-3042 | MH-3021 | MH-2702 | 476.54 | 475.10 | 474.99 | 150.0 | 17 | 1.29 | 150.000 | 0.010 | 0.50 | 0.08165 |
| CO-2702 | MH-2702 | MH-2703 | 476.44 | 474.32 | 474.25 | 350.0 | 24 | 1.78 | 350.000 | 0.011 | 1.05 | 5.94490 |
| CO-2694 | MH-2696 | MH-2579 | 478.49 | 477.14 | 477.00 | 150.0 | 21 | 1.06 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2571 | MH-2572 | MH-2573 | 480.31 | 479.23 | 479.08 | 150.0 | 22 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2572 | MH-2573 | MH-2571 | 480.14 | 478.99 | 478.88 | 150.0 | 17 | 0.96 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2568 | MH-2569 | MH-2570 | 480.81 | 479.50 | 479.35 | 150.0 | 22 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2569 | MH-2570 | MH-2568 | 480.42 | 479.12 | 478.94 | 150.0 | 27 | 1.03 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2562 | MH-2564 | MH-2565 | 479.78 | 478.62 | 478.42 | 150.0 | 30 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2563 | MH-2565 | MH-2566 | 479.48 | 478.42 | 478.22 | 150.0 | 30 | 1.07 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2564 | MH-2566 | MH-2567 | 479.60 | 478.22 | 478.02 | 150.0 | 30 | 1.45 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2565 | MH-2567 | MH-2560 | 479.83 | 478.02 | 477.80 | 150.0 | 33 | 1.88 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2559 | MH-2561 | MH-2562 | 479.90 | 478.84 | 478.64 | 150.0 | 30 | 1.27 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2560 | MH-2562 | MH-2560 | 480.41 | 478.64 | 478.43 | 150.0 | 32 | 1.54 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2555 | MH-2558 | MH-2557 | 481.08 | 479.90 | 479.77 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2552 | MH-2554 | MH-2555 | 479.49 | 478.43 | 478.30 | 150.0 | 20 | 1.11 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2553 | MH-2555 | MH-2556 | 479.75 | 478.30 | 478.09 | 150.0 | 30 | 1.66 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2554 | MH-2556 | MH-2557 | 480.27 | 478.09 | 477.90 | 150.0 | 30 | 2.40 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2556 | MH-2557 | MH-2553 | 480.83 | 477.90 | 477.75 | 150.0 | 23 | 3.08 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2549 | MH-2552 | MH-2551 | 481.70 | 480.23 | 480.09 | 150.0 | 20 | 1.12 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2545 | MH-2547 | MH-2548 | 480.07 | 479.01 | 478.85 | 150.0 | 23 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2546 | MH-2548 | MH-2549 | 480.02 | 478.85 | 478.65 | 150.0 | 31 | 1.23 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2547 | MH-2549 | MH-2550 | 480.25 | 478.65 | 478.39 | 150.0 | 39 | 1.85 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2548 | MH-2550 | MH-2551 | 480.78 | 478.39 | 478.20 | 150.0 | 28 | 2.52 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2550 | MH-2551 | MH-2546 | 481.16 | 478.20 | 477.99 | 150.0 | 32 | 3.22 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2541 | MH-2544 | MH-2543 | 482.19 | 480.88 | 480.73 | 150.0 | 22 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2537 | MH-2539 | MH-2540 | 480.36 | 479.18 | 479.04 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2538 | MH-2540 | MH-2541 | 480.11 | 479.04 | 478.86 | 150.0 | 28 | 1.21 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2539 | MH-2541 | MH-2542 | 480.50 | 478.86 | 478.66 | 150.0 | 30 | 1.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2540 | MH-2542 | MH-2543 | 481.22 | 478.66 | 478.46 | 150.0 | 30 | 2.80 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2542 | MH-2543 | MH-2545 | 481.80 | 478.46 | 478.29 | 150.0 | 25 | 3.45 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2543 | MH-2545 | MH-2537 | 482.16 | 478.29 | 478.18 | 150.0 | 17 | 3.76 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2534 | MH-2536 | MH-2535 | 482.69 | 481.63 | 481.49 | 150.0 | 21 | 1.04 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2536 | MH-2538 | MH-2531 | 481.09 | 479.54 | 479.43 | 150.0 | 18 | 1.15 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2529 | MH-2531 | MH-2532 | 480.49 | 479.43 | 479.26 | 150.0 | 26 | 1.38 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2530 | MH-2532 | MH-2533 | 481.25 | 479.26 | 479.09 | 150.0 | 25 | 2.17 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2531 | MH-2533 | MH-2530 | 481.72 | 479.09 | 478.90 | 150.0 | 28 | 2.87 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2956 | MH-2945 | MH-2528 | 482.58 | 480.38 | 480.18 | 150.0 | 30 | 1.48 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2524 | MH-2527 | MH-2526 | 482.55 | 480.95 | 480.76 | 150.0 | 29 | 1.18 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2516 | MH-2518 | MH-2519 | 481.70 | 480.64 | 480.46 | 150.0 | 26 | 1.23 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2517 | MH-2519 | MH-2520 | 482.15 | 480.46 | 480.29 | 150.0 | 27 | 1.88 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2518 | MH-2520 | MH-2521 | 482.65 | 480.29 | 480.08 | 150.0 | 30 | 2.50 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2519 | MH-2521 | MH-2522 | 483.03 | 480.08 | 479.96 | 150.0 | 19 | 2.78 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2521 | MH-2522 | MH-2524 | 482.86 | 479.96 | 479.88 | 150.0 | 12 | 2.74 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2522 | MH-2524 | MH-2525 | 482.76 | 479.88 | 479.68 | 150.0 | 30 | 2.53 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2523 | MH-2525 | MH-2526 | 482.15 | 479.68 | 479.48 | 150.0 | 30 | 2.26 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2525 | MH-2526 | MH-2528 | 481.83 | 479.48 | 479.31 | 150.0 | 25 | 1.99 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2526 | MH-2528 | MH-2529 | 481.25 | 479.31 | 479.06 | 150.0 | 38 | 2.43 | 150.000 | 0.010 | 0.60 | 0.15219 |
| CO-2527 | MH-2529 | MH-2515 | 482.28 | 479.06 | 478.83 | 150.0 | 34 | 3.31 | 150.000 | 0.010 | 0.62 | 0.16605 |
| CO-2514 | MH-2516 | MH-2517 | 482.70 | 481.63 | 481.49 | 150.0 | 22 | 1.08 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2515 | MH-2517 | MH-2515 | 482.89 | 481.49 | 481.29 | 150.0 | 30 | 1.17 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2503 | MH-2506 | MH-2507 | 486.88 | 485.02 | 484.87 | 150.0 | 23 | 1.31 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2504 | MH-2507 | MH-2508 | 485.93 | 484.86 | 484.66 | 150.0 | 30 | 0.92 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2505 | MH-2508 | MH-2509 | 485.72 | 484.48 | 484.28 | 150.0 | 30 | 1.01 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2506 | MH-2509 | MH-2510 | 485.34 | 483.88 | 483.68 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2507 | MH-2510 | MH-2511 | 484.74 | 483.38 | 483.18 | 150.0 | 30 | 1.06 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2508 | MH-2511 | MH-2512 | 484.25 | 482.78 | 482.58 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2509 | MH-2512 | MH-2505 | 483.64 | 481.97 | 481.77 | 150.0 | 30 | 1.22 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2495 | MH-2498 | MH-2499 | 486.70 | 484.92 | 484.71 | 150.0 | 31 | 1.27 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2496 | MH-2499 | MH-2500 | 485.77 | 484.71 | 484.51 | 150.0 | 30 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2497 | MH-2500 | MH-2501 | 485.73 | 484.42 | 484.21 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2498 | MH-2501 | MH-2502 | 485.28 | 483.69 | 483.49 | 150.0 | 29 | 1.18 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2499 | MH-2502 | MH-2503 | 484.56 | 483.09 | 482.89 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2500 | MH-2503 | MH-2504 | 483.95 | 482.48 | 482.29 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2501 | MH-2504 | MH-2497 | 483.35 | 481.91 | 481.71 | 150.0 | 30 | 1.10 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2486 | MH-2489 | MH-2490 | 486.84 | 484.66 | 484.47 | 150.0 | 29 | 1.47 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2487 | MH-2490 | MH-2491 | 485.53 | 484.47 | 484.26 | 150.0 | 31 | 1.07 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2488 | MH-2491 | MH-2492 | 485.64 | 484.26 | 484.07 | 150.0 | 29 | 1.16 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2489 | MH-2492 | MH-2493 | 485.30 | 483.98 | 483.78 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2490 | MH-2493 | MH-2494 | 484.84 | 483.26 | 483.06 | 150.0 | 29 | 1.18 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2491 | MH-2494 | MH-2495 | 484.13 | 482.80 | 482.59 | 150.0 | 30 | 1.05 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2492 | MH-2495 | MH-2496 | 483.66 | 482.34 | 482.20 | 150.0 | 21 | 1.04 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2493 | MH-2496 | MH-2488 | 483.27 | 481.74 | 481.60 | 150.0 | 20 | 1.15 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2478 | MH-2481 | MH-2482 | 486.58 | 484.45 | 484.25 | 150.0 | 30 | 1.45 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2479 | MH-2482 | MH-2483 | 485.31 | 484.25 | 484.04 | 150.0 | 31 | 1.10 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2480 | MH-2483 | MH-2484 | 485.48 | 484.04 | 483.84 | 150.0 | 29 | 1.27 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2481 | MH-2484 | MH-2485 | 485.24 | 483.67 | 483.47 | 150.0 | 30 | 1.17 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2482 | MH-2485 | MH-2486 | 484.54 | 483.01 | 482.70 | 150.0 | 47 | 1.15 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2483 | MH-2486 | MH-2487 | 483.76 | 482.42 | 482.22 | 150.0 | 31 | 1.05 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2484 | MH-2487 | MH-2480 | 483.28 | 481.86 | 481.68 | 150.0 | 27 | 1.09 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2474 | MH-2476 | MH-2477 | 481.66 | 480.60 | 480.42 | 150.0 | 26 | 1.29 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2475 | MH-2477 | MH-2478 | 482.23 | 480.42 | 480.22 | 150.0 | 30 | 1.97 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2476 | MH-2478 | MH-2479 | 482.65 | 480.22 | 480.06 | 150.0 | 24 | 2.59 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2477 | MH-2479 | MH-2480 | 483.11 | 480.06 | 479.83 | 150.0 | 35 | 2.83 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2485 | MH-2480 | MH-2488 | 482.75 | 479.83 | 479.69 | 150.0 | 21 | 2.80 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2494 | MH-2488 | MH-2497 | 482.67 | 479.69 | 479.52 | 150.0 | 25 | 2.96 | 150.000 | 0.010 | 0.72 | 0.29102 |
| CO-2502 | MH-2497 | MH-2505 | 482.77 | 479.52 | 479.36 | 150.0 | 24 | 3.21 | 150.000 | 0.010 | 0.79 | 0.40188 |
| CO-2510 | MH-2505 | MH-2513 | 482.84 | 479.36 | 479.22 | 150.0 | 21 | 3.46 | 150.000 | 0.010 | 0.84 | 0.51275 |
| CO-2511 | MH-2513 | MH-2514 | 482.97 | 479.22 | 479.09 | 150.0 | 20 | 3.74 | 150.000 | 0.010 | 0.85 | 0.52660 |
| CO-2512 | MH-2514 | MH-2475 | 483.13 | 479.09 | 478.95 | 150.0 | 21 | 4.03 | 150.000 | 0.010 | 0.86 | 0.54046 |
| CO-2471 | MH-2473 | MH-2474 | 482.90 | 481.84 | 481.75 | 150.0 | 13 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2472 | MH-2474 | MH-2472 | 483.17 | 481.75 | 481.57 | 150.0 | 27 | 1.45 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2463 | MH-2466 | MH-2465 | 485.50 | 484.44 | 484.30 | 150.0 | 20 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2461 | MH-2463 | MH-2464 | 485.88 | 484.82 | 484.63 | 150.0 | 28 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2462 | MH-2464 | MH-2465 | 485.80 | 484.63 | 484.48 | 150.0 | 23 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2464 | MH-2465 | MH-2467 | 485.55 | 484.30 | 484.12 | 150.0 | 28 | 1.06 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2465 | MH-2467 | MH-2468 | 485.29 | 484.10 | 483.93 | 150.0 | 26 | 0.98 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2466 | MH-2468 | MH-2469 | 484.99 | 483.72 | 483.61 | 150.0 | 18 | 1.02 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2467 | MH-2469 | MH-2470 | 484.67 | 483.55 | 483.37 | 150.0 | 27 | 0.94 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2468 | MH-2470 | MH-2471 | 484.44 | 483.37 | 483.27 | 150.0 | 16 | 0.92 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2469 | MH-2471 | MH-2462 | 484.35 | 483.14 | 482.97 | 150.0 | 27 | 0.99 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2456 | MH-2460 | MH-2459 | 485.26 | 483.68 | 483.41 | 150.0 | 40 | 1.18 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2454 | MH-2458 | MH-2457 | 484.70 | 483.64 | 483.51 | 150.0 | 20 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2452 | MH-2455 | MH-2456 | 485.44 | 484.35 | 484.19 | 150.0 | 24 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2453 | MH-2456 | MH-2457 | 485.25 | 483.85 | 483.65 | 150.0 | 29 | 1.08 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2455 | MH-2457 | MH-2459 | 484.72 | 483.51 | 483.32 | 150.0 | 29 | 1.03 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2457 | MH-2459 | MH-2454 | 484.47 | 483.32 | 483.14 | 150.0 | 26 | 0.98 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2955 | MH-2944 | MH-2452 | 485.75 | 484.41 | 484.26 | 150.0 | 22 | 1.06 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2448 | MH-2451 | MH-2452 | 485.50 | 484.41 | 484.26 | 150.0 | 23 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2449 | MH-2452 | MH-2450 | 485.33 | 484.20 | 484.02 | 150.0 | 27 | 0.95 | 150.000 | 0.010 | 0.41 | 0.04132 |
| CO-2445 | MH-2448 | MH-2449 | 485.86 | 484.79 | 484.65 | 150.0 | 22 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2446 | MH-2449 | MH-2447 | 485.78 | 484.54 | 484.42 | 150.0 | 17 | 1.00 | 150.000 | 0.010 | 0.36 | 0.02772 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2444 | MH-2446 | MH-2447 | 487.26 | 484.63 | 484.42 | 150.0 | 32 | 1.70 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2447 | MH-2447 | MH-2450 | 485.49 | 484.20 | 484.02 | 150.0 | 27 | 1.03 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2450 | MH-2450 | MH-2453 | 485.08 | 483.72 | 483.51 | 150.0 | 31 | 1.06 | 150.000 | 0.010 | 0.55 | 0.11061 |
| CO-2451 | MH-2453 | MH-2454 | 484.58 | 483.30 | 483.19 | 150.0 | 17 | 1.02 | 150.000 | 0.010 | 0.57 | 0.12447 |
| CO-2458 | MH-2454 | MH-2445 | 484.25 | 482.95 | 482.79 | 150.0 | 25 | 1.03 | 150.000 | 0.010 | 0.67 | 0.22148 |
| CO-2436 | MH-2438 | MH-2439 | 485.21 | 483.68 | 483.54 | 150.0 | 22 | 1.15 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2437 | MH-2439 | MH-2440 | 484.60 | 482.80 | 482.56 | 150.0 | 36 | 1.28 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2952 | MH-2440 | MH-2444 | 483.62 | 482.36 | 482.17 | 150.0 | 28 | 1.01 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2954 | MH-2943 | MH-2441 | 483.76 | 482.69 | 482.45 | 150.0 | 37 | 1.10 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2439 | MH-2441 | MH-2437 | 483.88 | 482.45 | 482.26 | 150.0 | 28 | 1.33 | 150.000 | 0.010 | 0.36 | 0.02747 |
| CO-2433 | MH-2435 | MH-2436 | 484.38 | 483.31 | 483.13 | 150.0 | 26 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2434 | MH-2436 | MH-2434 | 484.20 | 483.13 | 482.98 | 150.0 | 23 | 0.95 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2430 | MH-2432 | MH-2431 | 485.34 | 484.28 | 484.12 | 150.0 | 23 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2429 | MH-2430 | MH-2431 | 486.49 | 484.36 | 484.13 | 150.0 | 34 | 1.45 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2431 | MH-2431 | MH-2433 | 485.19 | 484.02 | 483.82 | 150.0 | 31 | 0.97 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2432 | MH-2433 | MH-2434 | 484.88 | 483.23 | 483.06 | 150.0 | 26 | 1.21 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2435 | MH-2434 | MH-2437 | 484.12 | 482.86 | 482.73 | 150.0 | 20 | 1.01 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2440 | MH-2437 | MH-2442 | 483.79 | 482.22 | 482.05 | 150.0 | 25 | 1.17 | 150.000 | 0.010 | 0.58 | 0.13833 |
| CO-2285 | MH-2287 | MH-2288 | 485.89 | 484.14 | 484.02 | 150.0 | 19 | 1.26 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2286 | MH-2288 | MH-2289 | 485.08 | 483.45 | 483.25 | 150.0 | 30 | 1.20 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2287 | MH-2289 | MH-2290 | 484.32 | 482.88 | 482.68 | 150.0 | 29 | 1.10 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2288 | MH-2290 | MH-2291 | 483.74 | 482.26 | 482.13 | 150.0 | 20 | 1.12 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2951 | MH-2291 | MH-2442 | 483.19 | 482.13 | 481.93 | 150.0 | 30 | 0.98 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2441 | MH-2442 | MH-2443 | 483.11 | 481.93 | 481.65 | 150.0 | 41 | 1.14 | 150.000 | 0.010 | 0.67 | 0.22148 |
| CO-2442 | MH-2443 | MH-2444 | 483.05 | 481.65 | 481.42 | 150.0 | 35 | 1.45 | 150.000 | 0.010 | 0.68 | 0.23534 |
| CO-2443 | MH-2444 | MH-2445 | 483.24 | 481.42 | 481.22 | 150.0 | 30 | 2.07 | 150.000 | 0.010 | 0.72 | 0.29077 |
| CO-2459 | MH-2445 | MH-2461 | 483.85 | 481.22 | 481.03 | 150.0 | 28 | 2.70 | 150.000 | 0.010 | 0.85 | 0.52610 |
| CO-2460 | MH-2461 | MH-2462 | 484.11 | 481.03 | 480.96 | 150.0 | 11 | 2.93 | 150.000 | 0.010 | 0.86 | 0.53996 |
| CO-2470 | MH-2462 | MH-2472 | 484.03 | 480.96 | 480.72 | 150.0 | 35 | 2.70 | 150.000 | 0.010 | 0.91 | 0.67854 |
| CO-2473 | MH-2472 | MH-2475 | 483.35 | 480.72 | 480.57 | 150.0 | 22 | 2.52 | 150.000 | 0.010 | 0.92 | 0.72012 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2513 | MH-2475 | MH-2515 | 483.28 | 478.90 | 478.78 | 200.0 | 35 | 3.86 | 279.455 | 0.010 | 0.84 | 1.27444 |
| CO-2528 | MH-2515 | MH-2530 | 482.53 | 478.78 | 478.71 | 200.0 | 24 | 3.48 | 350.000 | 0.010 | 0.80 | 1.48206 |
| CO-2532 | MH-2530 | MH-2534 | 482.31 | 478.71 | 478.65 | 200.0 | 22 | 3.56 | 350.000 | 0.010 | 0.80 | 1.55135 |
| CO-2533 | MH-2534 | MH-2535 | 482.56 | 478.65 | 478.56 | 200.0 | 30 | 3.87 | 350.000 | 0.010 | 0.80 | 1.56520 |
| CO-2535 | MH-2535 | MH-2537 | 482.80 | 478.56 | 478.49 | 200.0 | 27 | 3.74 | 350.000 | 0.010 | 0.81 | 1.59292 |
| CO-2544 | MH-2537 | MH-2546 | 482.14 | 478.13 | 477.94 | 200.0 | 28 | 3.73 | 146.943 | 0.010 | 1.15 | 1.70378 |
| CO-2551 | MH-2546 | MH-2553 | 481.78 | 477.94 | 477.70 | 200.0 | 25 | 3.51 | 101.314 | 0.010 | 1.34 | 1.80079 |
| CO-2557 | MH-2553 | MH-2559 | 481.27 | 477.70 | 477.61 | 200.0 | 30 | 3.33 | 350.000 | 0.010 | 0.83 | 1.88394 |
| CO-2558 | MH-2559 | MH-2560 | 481.08 | 477.61 | 477.52 | 200.0 | 30 | 2.79 | 350.000 | 0.010 | 0.83 | 1.89780 |
| CO-2566 | MH-2560 | MH-2429 | 480.04 | 477.47 | 477.43 | 250.0 | 14 | 2.12 | 350.000 | 0.010 | 0.87 | 1.99480 |
| CO-2957 | MH-2563 | MH-2947 | 479.97 | 478.86 | 478.72 | 150.0 | 21 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2959 | MH-2946 | MH-2947 | 480.78 | 478.86 | 478.72 | 150.0 | 20 | 1.34 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2958 | MH-2947 | MH-2424 | 479.79 | 478.48 | 478.43 | 150.0 | 7 | 1.04 | 150.000 | 0.010 | 0.41 | 0.04107 |
| CO-2424 | MH-2424 | MH-2425 | 479.49 | 478.13 | 477.99 | 150.0 | 21 | 1.07 | 150.000 | 0.010 | 0.44 | 0.05493 |
| CO-2425 | MH-2425 | MH-2426 | 479.05 | 477.99 | 477.81 | 150.0 | 27 | 1.11 | 150.000 | 0.010 | 0.47 | 0.06879 |
| CO-2426 | MH-2426 | MH-2427 | 479.26 | 477.81 | 477.58 | 150.0 | 34 | 1.36 | 150.000 | 0.010 | 0.50 | 0.08265 |
| CO-2427 | MH-2427 | MH-2428 | 479.15 | 477.58 | 477.46 | 150.0 | 19 | 1.60 | 150.000 | 0.010 | 0.52 | 0.09651 |
| CO-2428 | MH-2428 | MH-2429 | 479.39 | 477.46 | 477.32 | 150.0 | 20 | 1.96 | 150.000 | 0.010 | 0.55 | 0.11036 |
| CO-2567 | MH-2429 | MH-2568 | 479.61 | 477.22 | 477.15 | 250.0 | 24 | 2.37 | 350.000 | 0.010 | 0.88 | 2.11902 |
| CO-2570 | MH-2568 | MH-2571 | 480.00 | 477.15 | 477.07 | 250.0 | 28 | 2.61 | 350.000 | 0.010 | 0.88 | 2.16060 |
| CO-2573 | MH-2571 | MH-2574 | 479.94 | 477.07 | 477.01 | 250.0 | 22 | 2.55 | 350.000 | 0.010 | 0.89 | 2.20217 |
| CO-2574 | MH-2574 | MH-2575 | 479.74 | 477.01 | 476.94 | 250.0 | 23 | 2.34 | 350.000 | 0.010 | 0.89 | 2.21603 |
| CO-2575 | MH-2575 | MH-2576 | 479.39 | 476.94 | 476.88 | 250.0 | 24 | 2.11 | 350.000 | 0.010 | 0.89 | 2.22989 |
| CO-2576 | MH-2576 | MH-2577 | 479.15 | 476.88 | 476.80 | 250.0 | 25 | 1.78 | 350.000 | 0.010 | 0.89 | 2.24375 |
| CO-2577 | MH-2577 | MH-2578 | 478.58 | 476.80 | 476.74 | 250.0 | 21 | 1.63 | 350.000 | 0.010 | 0.89 | 2.25760 |
| CO-2578 | MH-2578 | MH-2579 | 478.72 | 476.74 | 476.66 | 250.0 | 30 | 1.44 | 350.000 | 0.010 | 0.89 | 2.27146 |
| CO-2695 | MH-2579 | MH-2697 | 478.07 | 476.66 | 476.61 | 250.0 | 17 | 1.09 | 350.000 | 0.010 | 0.89 | 2.29918 |
| CO-2697 | MH-2697 | MH-2699 | 477.88 | 476.30 | 476.04 | 250.0 | 26 | 1.17 | 100.000 | 0.010 | 1.43 | 2.31304 |
| CO-2698 | MH-2699 | MH-2695 | 477.29 | 476.04 | 475.97 | 250.0 | 24 | 1.01 | 350.000 | 0.010 | 0.90 | 2.32689 |
| CO-2683 | MH-2686 | MH-2685 | 479.07 | 478.00 | 477.87 | 150.0 | 20 | 0.92 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2681 | MH-2683 | MH-2684 | 479.33 | 478.18 | 478.06 | 150.0 | 19 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2682 | MH-2684 | MH-2685 | 479.12 | 478.03 | 477.87 | 150.0 | 24 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2684 | MH-2685 | MH-2687 | 478.93 | 477.55 | 477.37 | 150.0 | 28 | 1.07 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2685 | MH-2687 | MH-2682 | 478.43 | 477.23 | 477.06 | 150.0 | 26 | 0.98 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2677 | MH-2680 | MH-2679 | 479.02 | 477.95 | 477.82 | 150.0 | 20 | 1.02 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2675 | MH-2677 | MH-2678 | 479.63 | 478.39 | 478.25 | 150.0 | 21 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2676 | MH-2678 | MH-2679 | 479.31 | 478.18 | 478.02 | 150.0 | 24 | 0.95 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2678 | MH-2679 | MH-2681 | 479.09 | 477.79 | 477.61 | 150.0 | 27 | 1.03 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2679 | MH-2681 | MH-2676 | 478.67 | 477.19 | 477.02 | 150.0 | 26 | 1.12 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2670 | MH-2673 | MH-2674 | 479.93 | 478.60 | 478.45 | 150.0 | 22 | 1.05 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2671 | MH-2674 | MH-2672 | 479.51 | 478.11 | 477.96 | 150.0 | 23 | 1.08 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2669 | MH-2671 | MH-2672 | 478.94 | 477.87 | 477.74 | 150.0 | 20 | 1.02 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2672 | MH-2672 | MH-2675 | 479.02 | 477.48 | 477.32 | 150.0 | 24 | 1.15 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2673 | MH-2675 | MH-2670 | 478.39 | 476.92 | 476.72 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2665 | MH-2668 | MH-2667 | 478.62 | 477.55 | 477.43 | 150.0 | 18 | 1.13 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2663 | MH-2665 | MH-2666 | 479.79 | 478.49 | 478.34 | 150.0 | 22 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2664 | MH-2666 | MH-2667 | 479.40 | 478.02 | 477.86 | 150.0 | 24 | 1.07 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2666 | MH-2667 | MH-2669 | 478.93 | 477.30 | 477.11 | 150.0 | 27 | 1.20 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2667 | MH-2669 | MH-2664 | 478.18 | 476.66 | 476.47 | 150.0 | 29 | 1.14 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2659 | MH-2662 | MH-2663 | 477.95 | 476.81 | 476.69 | 150.0 | 17 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2660 | MH-2663 | MH-2661 | 477.76 | 476.69 | 476.49 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2656 | MH-2659 | MH-2660 | 478.37 | 477.30 | 477.16 | 150.0 | 21 | 1.06 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2657 | MH-2660 | MH-2658 | 478.51 | 477.16 | 476.98 | 150.0 | 27 | 1.32 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2652 | MH-2656 | MH-2655 | 479.00 | 477.65 | 477.53 | 150.0 | 19 | 1.06 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2651 | MH-2654 | MH-2655 | 478.62 | 477.56 | 477.50 | 150.0 | 9 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2653 | MH-2655 | MH-2657 | 478.59 | 477.50 | 477.36 | 150.0 | 21 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2654 | MH-2657 | MH-2653 | 478.75 | 477.36 | 477.22 | 150.0 | 20 | 1.34 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2650 | MH-2652 | MH-2653 | 479.35 | 477.86 | 477.74 | 150.0 | 19 | 1.13 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2655 | MH-2653 | MH-2658 | 478.80 | 477.22 | 477.05 | 150.0 | 26 | 1.41 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2658 | MH-2658 | MH-2661 | 478.58 | 476.90 | 476.74 | 150.0 | 24 | 1.22 | 150.000 | 0.010 | 0.57 | 0.12472 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2661 | MH-2661 | MH-2651 | 477.81 | 476.49 | 476.27 | 150.0 | 34 | 1.10 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2643 | MH-2647 | MH-2648 | 478.85 | 477.59 | 477.44 | 150.0 | 23 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2644 | MH-2648 | MH-2649 | 478.50 | 477.44 | 477.29 | 150.0 | 22 | 1.01 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2645 | MH-2649 | MH-2639 | 478.55 | 477.29 | 477.13 | 150.0 | 25 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2634 | MH-2637 | MH-2636 | 480.58 | 478.63 | 478.43 | 150.0 | 30 | 1.35 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2632 | MH-2635 | MH-2634 | 479.03 | 477.97 | 477.82 | 150.0 | 22 | 0.97 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2631 | MH-2633 | MH-2634 | 480.48 | 478.19 | 477.92 | 150.0 | 40 | 1.53 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2633 | MH-2634 | MH-2636 | 478.99 | 477.82 | 477.65 | 150.0 | 25 | 1.35 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2635 | MH-2636 | MH-2638 | 479.49 | 477.65 | 477.46 | 150.0 | 30 | 1.33 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2636 | MH-2638 | MH-2639 | 478.59 | 477.39 | 477.28 | 150.0 | 16 | 0.98 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2646 | MH-2639 | MH-2646 | 478.35 | 477.11 | 476.95 | 150.0 | 24 | 1.00 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2641 | MH-2644 | MH-2645 | 479.28 | 477.61 | 477.44 | 150.0 | 25 | 1.22 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2642 | MH-2645 | MH-2646 | 478.50 | 477.07 | 476.95 | 150.0 | 19 | 1.10 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2647 | MH-2646 | MH-2643 | 478.01 | 476.95 | 476.72 | 150.0 | 34 | 1.21 | 150.000 | 0.010 | 0.63 | 0.18015 |
| CO-2637 | MH-2640 | MH-2641 | 479.65 | 478.59 | 478.46 | 150.0 | 20 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2638 | MH-2641 | MH-2632 | 479.55 | 478.46 | 478.26 | 150.0 | 29 | 1.27 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2629 | MH-2631 | MH-2629 | 481.39 | 479.61 | 479.39 | 150.0 | 34 | 1.27 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2622 | MH-2624 | MH-2625 | 481.55 | 480.43 | 480.23 | 150.0 | 30 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2623 | MH-2625 | MH-2626 | 481.30 | 480.17 | 479.97 | 150.0 | 30 | 0.95 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2624 | MH-2626 | MH-2627 | 481.04 | 479.94 | 479.70 | 150.0 | 36 | 0.93 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2625 | MH-2627 | MH-2628 | 480.76 | 479.70 | 479.53 | 150.0 | 25 | 1.04 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2626 | MH-2628 | MH-2623 | 480.85 | 479.53 | 479.36 | 150.0 | 26 | 1.18 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2617 | MH-2620 | MH-2619 | 482.81 | 481.74 | 481.62 | 150.0 | 18 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2614 | MH-2617 | MH-2616 | 481.32 | 480.26 | 480.13 | 150.0 | 19 | 1.15 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2612 | MH-2614 | MH-2615 | 481.24 | 480.18 | 480.02 | 150.0 | 23 | 1.28 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2613 | MH-2615 | MH-2616 | 481.81 | 480.02 | 479.85 | 150.0 | 26 | 1.66 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2615 | MH-2616 | MH-2618 | 481.67 | 479.85 | 479.74 | 150.0 | 17 | 1.90 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2616 | MH-2618 | MH-2619 | 482.01 | 479.74 | 479.44 | 150.0 | 44 | 2.62 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2618 | MH-2619 | MH-2621 | 482.71 | 479.44 | 479.26 | 150.0 | 27 | 2.99 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2619 | MH-2621 | MH-2622 | 482.28 | 479.26 | 479.14 | 150.0 | 18 | 2.69 | 150.000 | 0.010 | 0.55 | 0.11086 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2620 | MH-2622 | MH-2607 | 481.80 | 479.14 | 478.99 | 150.0 | 23 | 2.21 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2602 | MH-2605 | MH-2604 | 482.93 | 481.86 | 481.71 | 150.0 | 22 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2601 | MH-2603 | MH-2604 | 482.92 | 481.86 | 481.56 | 150.0 | 45 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2603 | MH-2604 | MH-2606 | 482.82 | 481.42 | 481.23 | 150.0 | 28 | 1.08 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2604 | MH-2606 | MH-2602 | 482.30 | 480.52 | 480.30 | 150.0 | 34 | 1.27 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2593 | MH-2596 | MH-2597 | 482.86 | 481.80 | 481.70 | 150.0 | 15 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2594 | MH-2597 | MH-2595 | 482.90 | 481.70 | 481.52 | 150.0 | 27 | 1.16 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2606 | MH-2608 | MH-2609 | 481.50 | 480.08 | 479.94 | 150.0 | 21 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2607 | MH-2609 | MH-2610 | 481.00 | 479.55 | 479.40 | 150.0 | 22 | 1.11 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2608 | MH-2610 | MH-2611 | 480.46 | 479.40 | 479.26 | 150.0 | 21 | 0.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2903 | MH-2611 | MH-2903 | 480.41 | 479.26 | 479.14 | 150.0 | 18 | 1.20 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2904 | MH-2903 | MH-2612 | 480.70 | 479.14 | 478.94 | 150.0 | 31 | 1.60 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2610 | MH-2612 | MH-2613 | 480.88 | 478.94 | 478.85 | 150.0 | 13 | 2.05 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2611 | MH-2613 | MH-2592 | 481.31 | 478.85 | 478.73 | 150.0 | 17 | 2.61 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2588 | MH-2590 | MH-2591 | 480.98 | 479.92 | 479.70 | 150.0 | 33 | 1.25 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2589 | MH-2591 | MH-2592 | 481.44 | 479.70 | 479.43 | 150.0 | 40 | 1.90 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2590 | MH-2592 | MH-2593 | 481.79 | 478.73 | 478.57 | 150.0 | 25 | 3.18 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2591 | MH-2593 | MH-2594 | 482.18 | 478.57 | 478.36 | 150.0 | 31 | 3.93 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2592 | MH-2594 | MH-2595 | 482.91 | 478.36 | 478.23 | 150.0 | 20 | 4.48 | 150.000 | 0.010 | 0.62 | 0.16630 |
| CO-2595 | MH-2595 | MH-2598 | 482.94 | 478.23 | 478.03 | 150.0 | 30 | 4.29 | 150.000 | 0.010 | 0.66 | 0.20787 |
| CO-2598 | MH-2598 | MH-2601 | 482.19 | 478.03 | 477.93 | 150.0 | 15 | 3.92 | 150.000 | 0.010 | 0.67 | 0.22173 |
| CO-2599 | MH-2601 | MH-2589 | 481.90 | 477.93 | 477.84 | 150.0 | 12 | 3.67 | 150.000 | 0.010 | 0.68 | 0.23559 |
| CO-2579 | MH-2580 | MH-2581 | 482.33 | 481.27 | 481.09 | 150.0 | 27 | 1.11 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2580 | MH-2581 | MH-2582 | 482.55 | 481.09 | 480.87 | 150.0 | 33 | 1.60 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2581 | MH-2582 | MH-2583 | 482.91 | 480.87 | 480.64 | 150.0 | 34 | 1.96 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-3054 | MH-3033 | MH-2583 | 482.90 | 481.84 | 481.67 | 150.0 | 26 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2582 | MH-2583 | MH-2584 | 482.83 | 480.64 | 480.52 | 150.0 | 19 | 1.87 | 150.000 | 0.010 | 0.48 | 0.06904 |
| CO-2583 | MH-2584 | MH-2585 | 482.38 | 480.52 | 480.33 | 150.0 | 27 | 1.49 | 150.000 | 0.010 | 0.50 | 0.08290 |
| CO-2585 | MH-2585 | MH-2587 | 481.75 | 480.33 | 480.16 | 150.0 | 27 | 1.30 | 150.000 | 0.010 | 0.53 | 0.09676 |
| CO-2586 | MH-2587 | MH-2588 | 481.65 | 480.16 | 480.00 | 150.0 | 23 | 1.36 | 150.000 | 0.010 | 0.55 | 0.11061 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2587 | MH-2588 | MH-2589 | 481.54 | 480.00 | 479.81 | 150.0 | 29 | 1.47 | 150.000 | 0.010 | 0.57 | 0.12447 |
| CO-2600 | MH-2589 | MH-2602 | 481.51 | 477.84 | 477.67 | 150.0 | 26 | 3.53 | 150.000 | 0.010 | 0.77 | 0.37392 |
| CO-2605 | MH-2602 | MH-2607 | 481.37 | 477.67 | 477.49 | 150.0 | 28 | 3.48 | 150.000 | 0.010 | 0.81 | 0.44321 |
| CO-2621 | MH-2607 | MH-2623 | 481.05 | 477.49 | 477.37 | 150.0 | 18 | 3.30 | 150.000 | 0.010 | 0.87 | 0.58179 |
| CO-2960 | MH-2948 | MH-2623 | 479.66 | 478.60 | 478.44 | 150.0 | 23 | 1.52 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2627 | MH-2623 | MH-2629 | 480.72 | 477.37 | 477.21 | 150.0 | 23 | 3.14 | 150.000 | 0.010 | 0.91 | 0.67854 |
| CO-2630 | MH-2629 | MH-2632 | 480.45 | 477.21 | 477.09 | 150.0 | 17 | 2.93 | 150.000 | 0.010 | 0.92 | 0.70626 |
| CO-2639 | MH-2632 | MH-2642 | 480.01 | 477.09 | 476.92 | 150.0 | 26 | 2.39 | 150.000 | 0.010 | 0.93 | 0.74783 |
| CO-3056 | MH-2642 | MH-3036 | 479.09 | 476.92 | 476.85 | 150.0 | 10 | 1.88 | 150.000 | 0.010 | 0.93 | 0.76169 |
| CO-3055 | MH-3034 | MH-3035 | 478.74 | 477.68 | 477.60 | 150.0 | 12 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-3058 | MH-3035 | MH-3036 | 478.82 | 477.60 | 477.50 | 150.0 | 15 | 1.08 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-3057 | MH-3036 | MH-2643 | 478.75 | 476.85 | 476.74 | 150.0 | 16 | 1.62 | 150.000 | 0.010 | 0.95 | 0.80251 |
| CO-2648 | MH-2643 | MH-2650 | 478.39 | 476.68 | 476.51 | 150.0 | 26 | 1.23 | 150.000 | 0.010 | 0.99 | 0.99653 |
| CO-2649 | MH-2650 | MH-2651 | 477.58 | 476.51 | 476.34 | 150.0 | 27 | 0.94 | 150.000 | 0.010 | 1.00 | 1.01038 |
| CO-2662 | MH-2651 | MH-2664 | 477.44 | 476.27 | 476.16 | 150.0 | 22 | 1.13 | 200.000 | 0.010 | 0.90 | 1.19054 |
| CO-2668 | MH-2664 | MH-2670 | 477.53 | 476.11 | 476.04 | 200.0 | 24 | 1.39 | 350.000 | 0.010 | 0.77 | 1.27369 |
| CO-2674 | MH-2670 | MH-2676 | 477.79 | 476.04 | 475.97 | 200.0 | 23 | 1.73 | 350.000 | 0.010 | 0.78 | 1.35683 |
| CO-2680 | MH-2676 | MH-2682 | 478.08 | 475.97 | 475.90 | 200.0 | 24 | 1.97 | 350.000 | 0.010 | 0.79 | 1.43998 |
| CO-2686 | MH-2682 | MH-2688 | 478.12 | 475.90 | 475.84 | 200.0 | 23 | 1.90 | 350.000 | 0.010 | 0.80 | 1.52313 |
| CO-2689 | MH-2692 | MH-2691 | 478.87 | 477.62 | 477.49 | 150.0 | 20 | 1.01 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2687 | MH-2689 | MH-2690 | 479.08 | 477.92 | 477.79 | 150.0 | 20 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2688 | MH-2690 | MH-2691 | 478.85 | 477.66 | 477.49 | 150.0 | 25 | 0.98 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2690 | MH-2691 | MH-2693 | 478.56 | 477.31 | 477.14 | 150.0 | 25 | 1.01 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2691 | MH-2693 | MH-2688 | 478.21 | 476.93 | 476.75 | 150.0 | 27 | 1.02 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2692 | MH-2688 | MH-2694 | 477.81 | 475.84 | 475.76 | 200.0 | 28 | 1.92 | 350.000 | 0.010 | 0.81 | 1.60628 |
| CO-2693 | MH-2694 | MH-2695 | 478.02 | 475.76 | 475.71 | 200.0 | 16 | 1.70 | 350.000 | 0.010 | 0.81 | 1.62014 |
| CO-2703 | MH-2695 | MH-2704 | 477.24 | 475.43 | 475.09 | 250.0 | 33 | 1.28 | 100.000 | 0.010 | 1.64 | 3.96089 |
| CO-2704 | MH-2704 | MH-2703 | 476.34 | 475.04 | 475.00 | 300.0 | 16 | 1.05 | 350.000 | 0.011 | 0.95 | 3.97475 |
| CO-2782 | MH-2703 | MH-2782 | 476.41 | 474.20 | 474.14 | 400.0 | 21 | 1.81 | 350.000 | 0.011 | 1.17 | 9.37654 |
| CO-2812 | MH-2782 | MH-2813 | 476.36 | 474.14 | 474.06 | 400.0 | 30 | 1.70 | 350.000 | 0.011 | 1.17 | 9.58516 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2814 | MH-2813 | MH-2812 | 476.04 | 474.06 | 473.99 | 400.0 | 22 | 1.53 | 350.000 | 0.011 | 1.17 | 9.59675 |
| CO-2802 | MH-2803 | MH-2802 | 480.64 | 479.40 | 479.18 | 150.0 | 32 | 1.00 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2801 | MH-2801 | MH-2802 | 480.24 | 479.18 | 478.95 | 150.0 | 34 | 1.03 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2803 | MH-2802 | MH-2804 | 480.25 | 478.95 | 478.75 | 150.0 | 31 | 1.42 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2804 | MH-2804 | MH-2805 | 480.60 | 478.75 | 478.54 | 150.0 | 30 | 1.55 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2805 | MH-2805 | MH-2806 | 480.10 | 478.37 | 478.18 | 150.0 | 29 | 1.25 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2806 | MH-2806 | MH-2807 | 479.24 | 477.60 | 477.40 | 150.0 | 30 | 1.20 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2807 | MH-2807 | MH-2808 | 478.46 | 476.94 | 476.74 | 150.0 | 30 | 1.14 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2808 | MH-2808 | MH-2809 | 477.81 | 475.98 | 475.79 | 150.0 | 29 | 1.29 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2809 | MH-2809 | MH-2810 | 476.85 | 475.20 | 475.00 | 150.0 | 30 | 1.21 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2810 | MH-2810 | MH-2811 | 476.06 | 475.00 | 474.80 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2811 | MH-2811 | MH-2812 | 475.89 | 474.80 | 474.53 | 150.0 | 40 | 1.07 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2884 | MH-2885 | MH-2886 | 477.21 | 475.73 | 475.59 | 150.0 | 20 | 1.12 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2885 | MH-2886 | MH-2884 | 476.66 | 475.31 | 475.14 | 150.0 | 26 | 1.05 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2880 | MH-2881 | MH-2882 | 477.23 | 475.89 | 475.74 | 150.0 | 23 | 1.05 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2881 | MH-2882 | MH-2880 | 476.81 | 475.64 | 475.42 | 150.0 | 32 | 0.97 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2859 | MH-2860 | MH-2861 | 479.93 | 478.87 | 478.76 | 150.0 | 17 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2860 | MH-2861 | MH-2862 | 479.86 | 478.76 | 478.56 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2861 | MH-2862 | MH-2859 | 479.98 | 478.56 | 478.41 | 150.0 | 22 | 1.40 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2854 | MH-2855 | MH-2856 | 480.74 | 479.68 | 479.48 | 150.0 | 30 | 1.25 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2855 | MH-2856 | MH-2854 | 481.21 | 479.48 | 479.28 | 150.0 | 30 | 1.52 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2966 | MH-2953 | MH-2851 | 482.26 | 480.55 | 480.25 | 150.0 | 44 | 1.24 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2850 | MH-2851 | MH-2852 | 481.32 | 480.25 | 480.09 | 150.0 | 24 | 1.00 | 150.000 | 0.010 | 0.36 | 0.02747 |
| CO-2851 | MH-2852 | MH-2853 | 481.32 | 480.09 | 479.89 | 150.0 | 30 | 1.09 | 150.000 | 0.010 | 0.41 | 0.04132 |
| CO-2852 | MH-2853 | MH-2850 | 481.15 | 479.89 | 479.78 | 150.0 | 16 | 1.16 | 150.000 | 0.010 | 0.44 | 0.05518 |
| CO-2844 | MH-2845 | MH-2846 | 480.45 | 479.39 | 479.17 | 150.0 | 32 | 0.99 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2845 | MH-2846 | MH-2847 | 480.39 | 479.17 | 479.05 | 150.0 | 19 | 1.41 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2846 | MH-2847 | MH-2848 | 480.95 | 479.05 | 478.90 | 150.0 | 23 | 2.00 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2847 | MH-2848 | MH-2844 | 481.29 | 478.90 | 478.69 | 150.0 | 31 | 2.48 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2964 | MH-2951 | MH-2952 | 482.65 | 481.59 | 481.46 | 150.0 | 20 | 0.93 | 150.000 | 0.010 | 0.29 | 0.01361 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2965 | MH-2952 | MH-2841 | 482.55 | 481.40 | 481.32 | 150.0 | 12 | 0.96 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2840 | MH-2841 | MH-2842 | 482.38 | 481.32 | 481.17 | 150.0 | 23 | 0.94 | 150.000 | 0.010 | 0.41 | 0.04107 |
| CO-2841 | MH-2842 | MH-2843 | 482.29 | 480.99 | 480.78 | 150.0 | 32 | 1.03 | 150.000 | 0.010 | 0.44 | 0.05493 |
| CO-2842 | MH-2843 | MH-2840 | 481.84 | 480.60 | 480.50 | 150.0 | 15 | 1.00 | 150.000 | 0.010 | 0.47 | 0.06879 |
| CO-2962 | MH-2949 | MH-2950 | 481.91 | 480.77 | 480.59 | 150.0 | 27 | 0.95 | 150.000 | 0.010 | 0.29 | 0.01361 |
| CO-2963 | MH-2950 | MH-2837 | 481.65 | 480.54 | 480.37 | 150.0 | 25 | 0.94 | 150.000 | 0.010 | 0.36 | 0.02722 |
| CO-2837 | MH-2838 | MH-2839 | 480.74 | 479.68 | 479.48 | 150.0 | 30 | 1.22 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2838 | MH-2839 | MH-2837 | 481.15 | 479.48 | 479.27 | 150.0 | 31 | 1.77 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2819 | MH-2820 | MH-2819 | 480.65 | 479.23 | 479.10 | 150.0 | 20 | 1.09 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2815 | MH-2815 | MH-2816 | 480.33 | 479.17 | 479.01 | 150.0 | 24 | 0.96 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2816 | MH-2816 | MH-2817 | 480.07 | 479.00 | 478.82 | 150.0 | 28 | 0.92 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2817 | MH-2817 | MH-2818 | 479.88 | 478.82 | 478.67 | 150.0 | 23 | 1.05 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2818 | MH-2818 | MH-2819 | 480.00 | 478.67 | 478.53 | 150.0 | 21 | 1.34 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2820 | MH-2819 | MH-2821 | 480.17 | 478.53 | 478.41 | 150.0 | 17 | 1.63 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2821 | MH-2821 | MH-2822 | 480.34 | 478.41 | 478.22 | 150.0 | 29 | 2.03 | 150.000 | 0.010 | 0.53 | 0.09701 |
| CO-2822 | MH-2822 | MH-2823 | 480.65 | 478.22 | 477.92 | 150.0 | 45 | 2.58 | 150.000 | 0.010 | 0.55 | 0.11086 |
| CO-2823 | MH-2823 | MH-2824 | 480.95 | 477.92 | 477.82 | 150.0 | 15 | 3.01 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2824 | MH-2824 | MH-2825 | 481.11 | 477.82 | 477.62 | 150.0 | 30 | 3.24 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2825 | MH-2825 | MH-2826 | 481.11 | 477.62 | 477.49 | 150.0 | 19 | 3.54 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2832 | MH-2834 | MH-2835 | 481.98 | 480.91 | 480.74 | 150.0 | 26 | 1.02 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2833 | MH-2835 | MH-2833 | 482.02 | 480.47 | 480.33 | 150.0 | 20 | 1.16 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2828 | MH-2830 | MH-2829 | 480.80 | 479.74 | 479.63 | 150.0 | 16 | 1.20 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2826 | MH-2827 | MH-2828 | 480.67 | 479.61 | 479.49 | 150.0 | 18 | 1.17 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2827 | MH-2828 | MH-2829 | 481.06 | 479.49 | 479.35 | 150.0 | 21 | 1.59 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2829 | MH-2829 | MH-2831 | 481.26 | 479.35 | 479.29 | 150.0 | 9 | 1.79 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2830 | MH-2831 | MH-2832 | 481.27 | 479.29 | 479.14 | 150.0 | 22 | 1.96 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2831 | MH-2832 | MH-2833 | 481.39 | 479.14 | 479.04 | 150.0 | 16 | 2.16 | 150.000 | 0.010 | 0.50 | 0.08315 |
| CO-2834 | MH-2833 | MH-2836 | 481.40 | 479.04 | 478.89 | 150.0 | 22 | 2.29 | 150.000 | 0.010 | 0.57 | 0.12472 |
| CO-2835 | MH-2836 | MH-2826 | 481.41 | 478.89 | 478.69 | 150.0 | 29 | 2.46 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2836 | MH-2826 | MH-2837 | 481.39 | 477.49 | 477.39 | 150.0 | 15 | 3.82 | 150.000 | 0.010 | 0.73 | 0.30488 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2839 | MH-2837 | MH-2840 | 481.43 | 477.39 | 477.27 | 150.0 | 18 | 4.01 | 150.000 | 0.010 | 0.77 | 0.37367 |
| CO-2843 | MH-2840 | MH-2844 | 481.56 | 477.27 | 477.22 | 150.0 | 8 | 4.16 | 150.000 | 0.010 | 0.82 | 0.45631 |
| CO-2848 | MH-2844 | MH-2849 | 481.55 | 477.22 | 477.09 | 150.0 | 19 | 4.15 | 150.000 | 0.010 | 0.85 | 0.52560 |
| CO-2849 | MH-2849 | MH-2850 | 481.36 | 477.09 | 476.96 | 150.0 | 19 | 4.08 | 150.000 | 0.010 | 0.86 | 0.53946 |
| CO-2853 | MH-2850 | MH-2854 | 481.15 | 476.96 | 476.89 | 150.0 | 11 | 3.94 | 150.000 | 0.010 | 0.88 | 0.60850 |
| CO-2856 | MH-2854 | MH-2857 | 480.88 | 476.89 | 476.70 | 150.0 | 29 | 3.71 | 150.000 | 0.010 | 0.90 | 0.65008 |
| CO-2857 | MH-2858 | MH-2857 | 480.47 | 479.41 | 479.32 | 150.0 | 13 | 0.94 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2858 | MH-2857 | MH-2859 | 480.43 | 476.70 | 476.62 | 150.0 | 13 | 3.44 | 150.000 | 0.010 | 0.91 | 0.67779 |
| CO-2862 | MH-2859 | MH-2863 | 480.08 | 476.62 | 476.53 | 150.0 | 13 | 3.16 | 150.000 | 0.010 | 0.93 | 0.73322 |
| CO-2863 | MH-2863 | MH-2864 | 479.68 | 476.53 | 476.33 | 150.0 | 30 | 2.66 | 150.000 | 0.010 | 0.93 | 0.74708 |
| CO-2864 | MH-2864 | MH-2865 | 478.81 | 476.33 | 476.15 | 150.0 | 27 | 2.02 | 150.000 | 0.010 | 0.93 | 0.76094 |
| CO-2865 | MH-2865 | MH-2866 | 478.03 | 476.15 | 475.95 | 150.0 | 31 | 1.33 | 150.000 | 0.010 | 0.94 | 0.77480 |
| CO-2866 | MH-2866 | MH-2867 | 477.03 | 475.85 | 475.65 | 150.0 | 29 | 0.97 | 150.000 | 0.010 | 0.94 | 0.78866 |
| CO-2867 | MH-2867 | MH-2868 | 476.72 | 475.61 | 475.45 | 150.0 | 24 | 0.93 | 150.000 | 0.010 | 0.95 | 0.80251 |
| CO-2872 | MH-2874 | MH-2875 | 480.37 | 478.91 | 478.74 | 150.0 | 24 | 1.12 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2873 | MH-2875 | MH-2876 | 479.81 | 478.17 | 477.99 | 150.0 | 28 | 1.20 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2874 | MH-2876 | MH-2877 | 479.05 | 477.31 | 477.11 | 150.0 | 30 | 1.25 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2875 | MH-2877 | MH-2878 | 478.18 | 476.46 | 476.26 | 150.0 | 30 | 1.24 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2876 | MH-2878 | MH-2873 | 477.32 | 475.96 | 475.74 | 150.0 | 32 | 1.07 | 150.000 | 0.010 | 0.48 | 0.06929 |
| CO-2868 | MH-2869 | MH-2870 | 480.50 | 478.64 | 478.35 | 150.0 | 42 | 1.31 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2869 | MH-2870 | MH-2871 | 479.42 | 477.62 | 477.41 | 150.0 | 31 | 1.28 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2870 | MH-2871 | MH-2872 | 478.48 | 476.58 | 476.37 | 150.0 | 31 | 1.33 | 150.000 | 0.010 | 0.41 | 0.04157 |
| CO-2871 | MH-2872 | MH-2873 | 477.44 | 475.97 | 475.74 | 150.0 | 34 | 1.11 | 150.000 | 0.010 | 0.44 | 0.05543 |
| CO-2877 | MH-2873 | MH-2879 | 476.81 | 475.70 | 475.54 | 150.0 | 24 | 0.93 | 150.000 | 0.010 | 0.58 | 0.13858 |
| CO-2878 | MH-2879 | MH-2868 | 476.61 | 475.54 | 475.39 | 150.0 | 23 | 0.95 | 150.000 | 0.010 | 0.60 | 0.15244 |
| CO-2879 | MH-2868 | MH-2880 | 476.52 | 475.39 | 475.34 | 150.0 | 8 | 0.99 | 150.000 | 0.010 | 0.99 | 0.96881 |
| CO-2882 | MH-2880 | MH-2883 | 476.49 | 475.34 | 475.16 | 150.0 | 26 | 0.98 | 150.000 | 0.010 | 1.00 | 1.01038 |
| CO-2883 | MH-2883 | MH-2884 | 476.27 | 475.12 | 475.03 | 150.0 | 23 | 1.02 | 265.762 | 0.010 | 0.78 | 1.02424 |
| CO-2886 | MH-2884 | MH-2887 | 476.21 | 475.03 | 474.90 | 150.0 | 26 | 1.09 | 200.000 | 0.010 | 0.89 | 1.06582 |
| CO-2887 | MH-2888 | MH-2889 | 477.12 | 475.60 | 475.47 | 150.0 | 20 | 1.14 | 150.000 | 0.010 | 0.29 | 0.01386 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-2888 | MH-2889 | MH-2887 | 476.53 | 475.31 | 475.14 | 150.0 | 25 | 0.99 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2889 | MH-2887 | MH-2890 | 476.20 | 474.90 | 474.79 | 150.0 | 22 | 1.13 | 200.000 | 0.010 | 0.90 | 1.10739 |
| CO-2890 | MH-2891 | MH-2892 | 476.63 | 475.29 | 475.17 | 150.0 | 19 | 1.05 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2891 | MH-2892 | MH-2890 | 476.23 | 475.13 | 474.97 | 150.0 | 23 | 0.93 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2892 | MH-2890 | MH-2893 | 476.04 | 474.79 | 474.67 | 150.0 | 25 | 1.13 | 200.000 | 0.010 | 0.90 | 1.14896 |
| CO-2893 | MH-2894 | MH-2895 | 476.27 | 475.08 | 474.93 | 150.0 | 22 | 0.98 | 150.000 | 0.010 | 0.29 | 0.01386 |
| CO-2894 | MH-2895 | MH-2893 | 476.00 | 474.93 | 474.78 | 150.0 | 23 | 0.98 | 150.000 | 0.010 | 0.36 | 0.02772 |
| CO-2895 | MH-2893 | MH-2812 | 475.97 | 474.67 | 474.57 | 150.0 | 19 | 1.15 | 200.000 | 0.010 | 0.90 | 1.19054 |
| CO-2896 | MH-2812 | MH-2896 | 475.87 | 473.99 | 473.90 | 400.0 | 34 | 1.42 | 350.000 | 0.011 | 1.19 | 10.73132 |
| CO-2897 | MH-2896 | MH-2897 | 475.65 | 473.90 | 473.81 | 400.0 | 30 | 1.49 | 350.000 | 0.011 | 1.19 | 10.74291 |
| CO-2898 | MH-2897 | MH-2898 | 475.84 | 473.81 | 473.72 | 400.0 | 30 | 1.81 | 350.000 | 0.011 | 1.19 | 10.75450 |
| CO-2899 | MH-2898 | MH-2899 | 476.12 | 473.72 | 473.64 | 400.0 | 30 | 1.74 | 350.000 | 0.011 | 1.19 | 10.76609 |
| CO-2900 | MH-2899 | MH-2900 | 475.52 | 473.64 | 473.56 | 400.0 | 28 | 1.47 | 350.000 | 0.011 | 1.19 | 10.77768 |
| CO-2901 | MH-2900 | MH-2901 | 475.41 | 473.56 | 473.46 | 400.0 | 33 | 1.39 | 350.000 | 0.011 | 1.19 | 10.78927 |
| CO-2902 | MH-2901 | MH-2902 | 475.18 | 473.46 | 473.18 | 400.0 | 40 | 1.30 | 140.453 | 0.011 | 1.73 | 10.80086 |
| CO-2910 | MH-2902 | OF-1 | 474.86 | 473.18 | 473.08 | 400.0 | 11 | 1.14 | 100.000 | 0.011 | 1.97 | 10.81299 |

Hydraulic Model Inventory: Zone IX Part IV A.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part IV) |
| Engineer | Prasad/Supriya |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-11-2014 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Physical Alternative - 1 |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 323 | Taps | 0 |
| -Circle | 323 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 323 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|-------------------|---------|
| Circle - 150.0 mm | 6,974 m | Circle - 300.0 mm | 119 m |
| Circle - 170.0 mm | 87 m | Total Length | 7,590 m |
| Circle - 250.0 mm | 410 m | | |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4251 | MH-4230 | MH-4231 | 476.64 | 475.49 | 475.07 | 150.0 | 33 | 1.10 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-4254 | MH-4231 | MH-4232 | 476.43 | 475.07 | 474.95 | 150.0 | 17 | 1.16 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4252 | MH-3591 | MH-4232 | 475.93 | 474.78 | 474.43 | 150.0 | 28 | 1.32 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-4253 | MH-4232 | MH-3589 | 476.21 | 474.43 | 474.35 | 150.0 | 19 | 1.93 | 260.925 | 0.010 | 0.35 | 0.0482 |
| CO-3582 | MH-3590 | MH-3589 | 476.99 | 475.84 | 475.59 | 150.0 | 16 | 1.00 | 66.144 | 0.010 | 0.37 | 0.0122 |
| CO-3602 | MH-3606 | MH-3607 | 479.85 | 478.70 | 478.20 | 150.0 | 26 | 1.00 | 51.330 | 0.010 | 0.41 | 0.0122 |
| CO-3603 | MH-3607 | MH-3608 | 479.35 | 478.14 | 477.75 | 150.0 | 20 | 1.03 | 50.000 | 0.010 | 0.51 | 0.0245 |
| CO-3604 | MH-3608 | MH-3609 | 478.90 | 477.68 | 476.86 | 150.0 | 41 | 1.03 | 50.000 | 0.010 | 0.58 | 0.0367 |
| CO-3605 | MH-3609 | MH-3610 | 478.01 | 476.86 | 476.53 | 150.0 | 26 | 1.00 | 78.826 | 0.010 | 0.54 | 0.0490 |
| CO-3606 | MH-3610 | MH-3611 | 477.68 | 476.53 | 476.08 | 150.0 | 33 | 1.00 | 73.469 | 0.010 | 0.59 | 0.0612 |
| CO-3607 | MH-3611 | MH-3612 | 477.23 | 476.08 | 475.83 | 150.0 | 25 | 1.00 | 99.350 | 0.010 | 0.56 | 0.0734 |
| CO-3608 | MH-3612 | MH-3613 | 476.98 | 475.83 | 475.68 | 150.0 | 24 | 1.00 | 162.518 | 0.010 | 0.49 | 0.0857 |
| CO-3609 | MH-3613 | MH-3588 | 476.83 | 475.68 | 475.65 | 150.0 | 12 | 1.22 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3581 | MH-3588 | MH-3589 | 477.24 | 475.65 | 475.54 | 150.0 | 49 | 1.24 | 450.000 | 0.010 | 0.37 | 0.1101 |
| CO-3584 | MH-3589 | MH-3592 | 476.74 | 474.35 | 474.28 | 150.0 | 34 | 1.94 | 450.000 | 0.010 | 0.43 | 0.1828 |
| CO-3585 | MH-3592 | MH-3593 | 476.07 | 474.28 | 474.11 | 150.0 | 24 | 1.32 | 138.182 | 0.010 | 0.66 | 0.1951 |
| CO-4277 | MH-3593 | MH-4228 | 475.26 | 474.11 | 473.82 | 150.0 | 23 | 1.02 | 78.488 | 0.010 | 0.83 | 0.2073 |
| CO-3540 | MH-3549 | MH-3548 | 478.54 | 477.38 | 477.13 | 150.0 | 13 | 1.01 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3534 | MH-3543 | MH-3542 | 479.95 | 478.71 | 478.51 | 150.0 | 10 | 1.05 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3531 | MH-3540 | MH-3539 | 479.59 | 478.44 | 478.30 | 150.0 | 11 | 1.09 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3528 | MH-3537 | MH-3536 | 479.29 | 478.06 | 477.85 | 150.0 | 11 | 1.04 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3525 | MH-3534 | MH-3533 | 478.95 | 477.80 | 477.64 | 150.0 | 13 | 1.03 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3522 | MH-3530 | MH-3531 | 479.59 | 478.44 | 478.19 | 150.0 | 14 | 1.00 | 54.631 | 0.010 | 0.40 | 0.0122 |
| CO-3523 | MH-3531 | MH-3532 | 479.34 | 478.19 | 477.86 | 150.0 | 18 | 1.00 | 52.845 | 0.010 | 0.50 | 0.0245 |
| CO-3524 | MH-3532 | MH-3533 | 479.01 | 477.86 | 477.52 | 150.0 | 28 | 1.08 | 85.446 | 0.010 | 0.48 | 0.0367 |
| CO-3526 | MH-3533 | MH-3535 | 478.84 | 477.52 | 477.06 | 150.0 | 23 | 1.08 | 50.000 | 0.010 | 0.67 | 0.0612 |
| CO-3527 | MH-3535 | MH-3536 | 478.21 | 477.06 | 477.01 | 150.0 | 20 | 1.42 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3529 | MH-3536 | MH-3538 | 479.00 | 477.01 | 476.97 | 150.0 | 18 | 2.06 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3530 | MH-3538 | MH-3539 | 479.40 | 476.97 | 476.90 | 150.0 | 28 | 2.44 | 450.000 | 0.010 | 0.37 | 0.1101 |
| CO-3532 | MH-3539 | MH-3541 | 479.64 | 476.90 | 476.85 | 150.0 | 24 | 2.61 | 450.000 | 0.010 | 0.39 | 0.1346 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3533 | MH-3541 | MH-3542 | 479.63 | 476.85 | 476.81 | 150.0 | 18 | 2.66 | 450.000 | 0.010 | 0.40 | 0.1469 |
| CO-3537 | MH-3542 | MH-3546 | 479.66 | 476.81 | 476.76 | 150.0 | 21 | 2.71 | 450.000 | 0.010 | 0.42 | 0.1713 |
| CO-3538 | MH-3546 | MH-3547 | 479.64 | 476.76 | 476.71 | 150.0 | 25 | 2.38 | 450.000 | 0.010 | 0.43 | 0.1836 |
| CO-3539 | MH-3547 | MH-3548 | 478.90 | 476.71 | 476.61 | 150.0 | 42 | 1.78 | 450.000 | 0.010 | 0.44 | 0.1958 |
| CO-3541 | MH-3548 | MH-3550 | 478.28 | 476.61 | 476.58 | 150.0 | 17 | 1.36 | 450.000 | 0.010 | 0.45 | 0.2203 |
| CO-3542 | MH-3550 | MH-3551 | 477.93 | 476.58 | 476.09 | 150.0 | 30 | 1.10 | 61.244 | 0.010 | 0.93 | 0.2325 |
| CO-3543 | MH-3551 | MH-3529 | 477.24 | 475.97 | 475.34 | 150.0 | 31 | 1.06 | 50.000 | 0.010 | 1.02 | 0.2448 |
| CO-3518 | MH-3526 | MH-3525 | 477.54 | 476.34 | 476.05 | 150.0 | 15 | 1.03 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3514 | MH-3522 | MH-3521 | 478.82 | 477.67 | 477.48 | 150.0 | 15 | 1.04 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3505 | MH-3512 | MH-3513 | 479.04 | 477.89 | 477.61 | 150.0 | 22 | 1.07 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3506 | MH-3513 | MH-3514 | 478.90 | 477.61 | 477.46 | 150.0 | 22 | 1.45 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3507 | MH-3514 | MH-3515 | 479.37 | 477.46 | 477.34 | 150.0 | 25 | 1.94 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3508 | MH-3515 | MH-3516 | 479.62 | 477.34 | 477.26 | 150.0 | 22 | 2.24 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3509 | MH-3516 | MH-3517 | 479.76 | 477.26 | 477.20 | 150.0 | 21 | 2.51 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3510 | MH-3517 | MH-3518 | 480.01 | 477.20 | 477.13 | 150.0 | 25 | 2.75 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3511 | MH-3518 | MH-3519 | 480.12 | 477.13 | 477.06 | 150.0 | 30 | 2.57 | 427.809 | 0.010 | 0.35 | 0.0857 |
| CO-3512 | MH-3519 | MH-3520 | 479.51 | 477.06 | 476.99 | 150.0 | 29 | 2.18 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3513 | MH-3520 | MH-3521 | 479.20 | 476.99 | 476.92 | 150.0 | 33 | 1.85 | 450.000 | 0.010 | 0.37 | 0.1101 |
| CO-3515 | MH-3521 | MH-3523 | 478.71 | 476.92 | 476.86 | 150.0 | 28 | 1.47 | 450.000 | 0.010 | 0.39 | 0.1346 |
| CO-3516 | MH-3523 | MH-3524 | 478.30 | 476.86 | 476.48 | 150.0 | 30 | 1.16 | 78.609 | 0.010 | 0.75 | 0.1469 |
| CO-3517 | MH-3524 | MH-3525 | 477.67 | 476.48 | 476.05 | 150.0 | 22 | 1.02 | 50.000 | 0.010 | 0.90 | 0.1591 |
| CO-3521 | MH-3525 | MH-3529 | 477.20 | 475.74 | 475.34 | 150.0 | 20 | 1.16 | 50.000 | 0.010 | 0.94 | 0.1836 |
| CO-4729 | MH-3529 | MH-3556 | 476.49 | 475.05 | 474.64 | 150.0 | 21 | 1.14 | 50.000 | 0.010 | 1.21 | 0.4406 |
| CO-3562 | MH-3571 | MH-3570 | 478.15 | 477.00 | 476.70 | 150.0 | 15 | 1.00 | 50.468 | 0.010 | 0.41 | 0.0122 |
| CO-3569 | MH-3578 | MH-3577 | 478.60 | 477.35 | 477.11 | 150.0 | 12 | 1.05 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3567 | MH-3575 | MH-3576 | 478.16 | 477.01 | 476.75 | 150.0 | 21 | 1.13 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3568 | MH-3576 | MH-3577 | 478.17 | 476.75 | 476.50 | 150.0 | 36 | 1.44 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3570 | MH-3577 | MH-3579 | 478.26 | 476.50 | 476.40 | 150.0 | 25 | 1.81 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3571 | MH-3579 | MH-3580 | 478.56 | 476.40 | 476.35 | 150.0 | 19 | 2.08 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3572 | MH-3580 | MH-3566 | 478.64 | 476.35 | 476.30 | 150.0 | 19 | 2.35 | 373.203 | 0.010 | 0.35 | 0.0734 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3558 | MH-3567 | MH-3566 | 479.45 | 478.11 | 477.86 | 150.0 | 13 | 1.09 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3555 | MH-3564 | MH-3563 | 479.00 | 477.82 | 477.61 | 150.0 | 10 | 1.02 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3552 | MH-3561 | MH-3560 | 478.70 | 477.41 | 477.18 | 150.0 | 11 | 1.07 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3549 | MH-3557 | MH-3558 | 478.82 | 477.65 | 477.37 | 150.0 | 14 | 1.01 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3550 | MH-3558 | MH-3559 | 478.52 | 477.37 | 477.13 | 150.0 | 26 | 1.00 | 105.591 | 0.010 | 0.39 | 0.0245 |
| CO-3551 | MH-3559 | MH-3560 | 478.28 | 477.13 | 477.06 | 150.0 | 15 | 1.06 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3553 | MH-3560 | MH-3562 | 478.33 | 477.06 | 477.01 | 150.0 | 14 | 1.26 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3554 | MH-3562 | MH-3563 | 478.56 | 477.01 | 476.93 | 150.0 | 33 | 1.54 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3556 | MH-3563 | MH-3565 | 478.76 | 476.93 | 476.88 | 150.0 | 22 | 1.83 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3557 | MH-3565 | MH-3566 | 479.00 | 476.88 | 476.83 | 150.0 | 23 | 2.00 | 450.000 | 0.010 | 0.37 | 0.1101 |
| CO-3559 | MH-3566 | MH-3568 | 479.01 | 476.30 | 476.25 | 150.0 | 19 | 2.49 | 450.000 | 0.010 | 0.44 | 0.2080 |
| CO-3560 | MH-3568 | MH-3569 | 478.83 | 476.25 | 476.20 | 150.0 | 26 | 2.23 | 450.000 | 0.010 | 0.45 | 0.2203 |
| CO-3561 | MH-3569 | MH-3570 | 478.39 | 476.20 | 476.13 | 150.0 | 31 | 1.80 | 450.000 | 0.010 | 0.46 | 0.2325 |
| CO-3563 | MH-3570 | MH-3572 | 477.85 | 476.13 | 475.63 | 150.0 | 29 | 1.28 | 58.106 | 0.010 | 0.97 | 0.2570 |
| CO-3564 | MH-3572 | MH-3573 | 476.78 | 475.63 | 475.06 | 150.0 | 30 | 1.03 | 53.027 | 0.010 | 1.02 | 0.2692 |
| CO-3565 | MH-3573 | MH-3556 | 476.27 | 475.06 | 474.64 | 150.0 | 21 | 1.03 | 50.000 | 0.010 | 1.06 | 0.2815 |
| CO-3566 | MH-3556 | MH-3574 | 475.79 | 474.64 | 474.27 | 150.0 | 19 | 1.08 | 50.437 | 0.010 | 1.39 | 0.7343 |
| CO-3587 | MH-3594 | MH-3595 | 477.73 | 476.58 | 476.31 | 150.0 | 14 | 1.00 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3588 | MH-3595 | MH-3596 | 477.46 | 476.16 | 475.83 | 150.0 | 17 | 1.07 | 50.000 | 0.010 | 0.51 | 0.0245 |
| CO-3589 | MH-3596 | MH-3597 | 476.98 | 475.49 | 474.95 | 150.0 | 27 | 1.17 | 50.000 | 0.010 | 0.58 | 0.0367 |
| CO-3590 | MH-3597 | MH-3574 | 476.10 | 474.95 | 474.27 | 150.0 | 36 | 1.08 | 52.556 | 0.010 | 0.62 | 0.0490 |
| CO-3591 | MH-3574 | MH-3587 | 475.58 | 474.27 | 473.86 | 150.0 | 20 | 1.08 | 50.000 | 0.010 | 1.42 | 0.7955 |
| CO-3577 | MH-3584 | MH-3583 | 477.39 | 476.16 | 475.90 | 150.0 | 13 | 1.04 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-4295 | MH-4269 | MH-3509 | 478.22 | 477.07 | 476.76 | 150.0 | 18 | 1.00 | 57.016 | 0.010 | 0.39 | 0.0120 |
| CO-4030 | MH-4026 | MH-4027 | 480.94 | 479.79 | 479.61 | 150.0 | 14 | 1.13 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-4031 | MH-4027 | MH-4028 | 481.02 | 479.61 | 479.46 | 150.0 | 22 | 1.79 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4032 | MH-4028 | MH-4029 | 481.93 | 479.46 | 479.36 | 150.0 | 21 | 2.70 | 205.289 | 0.010 | 0.35 | 0.0360 |
| CO-4033 | MH-4029 | MH-4030 | 482.58 | 479.36 | 479.26 | 150.0 | 26 | 3.38 | 259.227 | 0.010 | 0.35 | 0.0480 |
| CO-4034 | MH-4030 | MH-4031 | 483.09 | 479.26 | 479.22 | 150.0 | 13 | 3.73 | 318.055 | 0.010 | 0.35 | 0.0599 |
| CO-4035 | MH-4031 | MH-3487 | 483.15 | 479.22 | 479.16 | 150.0 | 21 | 3.90 | 373.625 | 0.010 | 0.35 | 0.0719 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3479 | MH-3487 | MH-3488 | 483.33 | 479.16 | 479.08 | 150.0 | 34 | 4.05 | 421.771 | 0.010 | 0.35 | 0.0842 |
| CO-3480 | MH-3488 | MH-3489 | 483.31 | 479.08 | 479.01 | 150.0 | 31 | 3.97 | 450.000 | 0.010 | 0.36 | 0.0964 |
| CO-3481 | MH-3489 | MH-3490 | 483.03 | 479.01 | 478.94 | 150.0 | 30 | 3.64 | 450.000 | 0.010 | 0.37 | 0.1086 |
| CO-3494 | MH-3490 | MH-3502 | 482.51 | 478.94 | 478.87 | 150.0 | 31 | 3.13 | 450.000 | 0.010 | 0.38 | 0.1209 |
| CO-3495 | MH-3502 | MH-3503 | 481.87 | 478.87 | 478.81 | 150.0 | 28 | 2.58 | 450.000 | 0.010 | 0.39 | 0.1331 |
| CO-3496 | MH-3503 | MH-3504 | 481.27 | 478.81 | 478.75 | 150.0 | 28 | 1.99 | 450.000 | 0.010 | 0.40 | 0.1454 |
| CO-3497 | MH-3504 | MH-3500 | 480.56 | 478.75 | 478.68 | 150.0 | 32 | 1.35 | 450.000 | 0.010 | 0.41 | 0.1576 |
| CO-4014 | MH-4011 | MH-4012 | 481.12 | 479.97 | 479.82 | 150.0 | 12 | 1.30 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-4015 | MH-4012 | MH-4013 | 481.57 | 479.82 | 479.62 | 150.0 | 28 | 2.00 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4016 | MH-4013 | MH-4014 | 482.18 | 479.62 | 479.52 | 150.0 | 21 | 2.76 | 205.289 | 0.010 | 0.35 | 0.0360 |
| CO-4017 | MH-4014 | MH-4015 | 482.79 | 479.52 | 479.43 | 150.0 | 24 | 3.27 | 259.227 | 0.010 | 0.35 | 0.0480 |
| CO-4018 | MH-4015 | MH-4016 | 483.00 | 479.43 | 479.36 | 150.0 | 23 | 3.64 | 318.055 | 0.010 | 0.35 | 0.0599 |
| CO-4019 | MH-4016 | MH-4017 | 483.36 | 479.36 | 479.29 | 150.0 | 26 | 3.84 | 373.625 | 0.010 | 0.35 | 0.0719 |
| CO-4020 | MH-4017 | MH-4018 | 483.27 | 479.29 | 479.20 | 150.0 | 37 | 3.73 | 420.713 | 0.010 | 0.35 | 0.0839 |
| CO-4021 | MH-4018 | MH-4019 | 482.97 | 479.20 | 479.15 | 150.0 | 22 | 3.46 | 450.000 | 0.010 | 0.36 | 0.0959 |
| CO-4022 | MH-4019 | MH-4020 | 482.59 | 479.15 | 479.11 | 150.0 | 17 | 3.20 | 450.000 | 0.010 | 0.37 | 0.1079 |
| CO-4023 | MH-4020 | MH-4021 | 482.36 | 479.11 | 479.06 | 150.0 | 23 | 2.91 | 450.000 | 0.010 | 0.38 | 0.1199 |
| CO-4024 | MH-4021 | MH-4022 | 481.93 | 479.06 | 479.02 | 150.0 | 17 | 2.48 | 450.000 | 0.010 | 0.39 | 0.1319 |
| CO-4025 | MH-4022 | MH-4023 | 481.40 | 479.02 | 478.98 | 150.0 | 19 | 2.20 | 450.000 | 0.010 | 0.40 | 0.1439 |
| CO-4026 | MH-4023 | MH-4024 | 481.29 | 478.98 | 478.94 | 150.0 | 18 | 1.84 | 450.000 | 0.010 | 0.41 | 0.1558 |
| CO-4029 | MH-4024 | MH-4025 | 480.60 | 478.94 | 478.64 | 150.0 | 37 | 1.26 | 122.690 | 0.010 | 0.66 | 0.1678 |
| CO-4292 | MH-4267 | MH-4266 | 478.21 | 477.06 | 476.94 | 150.0 | 10 | 1.20 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-4291 | MH-4265 | MH-4266 | 478.50 | 477.35 | 477.23 | 150.0 | 10 | 1.06 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-4293 | MH-4266 | MH-4268 | 478.50 | 476.94 | 476.80 | 150.0 | 29 | 1.56 | 205.289 | 0.010 | 0.35 | 0.0360 |
| CO-4294 | MH-4268 | MH-3496 | 478.65 | 476.80 | 476.66 | 150.0 | 36 | 2.32 | 259.227 | 0.010 | 0.35 | 0.0480 |
| CO-3489 | MH-3497 | MH-3498 | 479.76 | 478.61 | 478.42 | 150.0 | 15 | 1.08 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3491 | MH-3498 | MH-3496 | 479.74 | 478.42 | 478.20 | 150.0 | 33 | 1.28 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3472 | MH-3480 | MH-3479 | 482.65 | 481.43 | 481.07 | 150.0 | 18 | 1.04 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3471 | MH-3478 | MH-3479 | 481.89 | 480.74 | 480.48 | 150.0 | 21 | 1.29 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3473 | MH-3479 | MH-3475 | 482.22 | 480.48 | 480.33 | 150.0 | 31 | 1.77 | 210.692 | 0.010 | 0.35 | 0.0367 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3465 | MH-3472 | MH-3473 | 482.33 | 481.18 | 480.90 | 150.0 | 22 | 1.36 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3467 | MH-3473 | MH-3471 | 482.77 | 480.90 | 480.65 | 150.0 | 37 | 1.94 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3466 | MH-3474 | MH-3468 | 482.94 | 481.79 | 481.59 | 150.0 | 16 | 1.22 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3461 | MH-3469 | MH-3468 | 482.89 | 481.74 | 481.44 | 150.0 | 24 | 1.30 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3460 | MH-3467 | MH-3468 | 483.40 | 482.25 | 481.98 | 150.0 | 21 | 1.03 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3462 | MH-3468 | MH-3470 | 483.19 | 481.44 | 481.35 | 150.0 | 22 | 1.82 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3463 | MH-3470 | MH-3466 | 483.54 | 481.35 | 481.18 | 150.0 | 18 | 2.04 | 106.351 | 0.010 | 0.52 | 0.0612 |
| CO-3454 | MH-3461 | MH-3462 | 483.32 | 482.17 | 482.05 | 150.0 | 9 | 1.04 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3455 | MH-3462 | MH-3463 | 483.28 | 482.05 | 481.95 | 150.0 | 15 | 1.20 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3457 | MH-3463 | MH-3465 | 483.41 | 481.95 | 481.82 | 150.0 | 26 | 1.49 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3458 | MH-3465 | MH-3460 | 483.63 | 481.82 | 481.74 | 150.0 | 21 | 1.69 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3456 | MH-3464 | MH-3457 | 483.48 | 482.33 | 482.11 | 150.0 | 18 | 1.15 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3449 | MH-3456 | MH-3457 | 483.59 | 482.44 | 482.11 | 150.0 | 26 | 1.15 | 79.154 | 0.010 | 0.35 | 0.0122 |
| CO-3451 | MH-3457 | MH-3459 | 483.57 | 482.11 | 481.98 | 150.0 | 27 | 1.39 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3452 | MH-3459 | MH-3455 | 483.60 | 481.98 | 481.88 | 150.0 | 27 | 1.61 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3450 | MH-3458 | MH-3451 | 483.35 | 482.20 | 481.99 | 150.0 | 17 | 1.02 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3445 | MH-3452 | MH-3451 | 483.43 | 482.28 | 482.01 | 150.0 | 22 | 1.01 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3444 | MH-3450 | MH-3451 | 482.99 | 481.84 | 481.56 | 150.0 | 22 | 1.23 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3446 | MH-3451 | MH-3453 | 483.18 | 481.56 | 481.45 | 150.0 | 30 | 1.47 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3447 | MH-3453 | MH-3454 | 483.08 | 481.45 | 481.36 | 150.0 | 29 | 1.36 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3448 | MH-3454 | MH-3455 | 482.75 | 481.36 | 481.29 | 150.0 | 27 | 1.79 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3453 | MH-3455 | MH-3460 | 483.79 | 481.29 | 481.24 | 150.0 | 24 | 2.28 | 450.000 | 0.010 | 0.39 | 0.1346 |
| CO-3459 | MH-3460 | MH-3466 | 483.61 | 481.24 | 481.18 | 150.0 | 25 | 2.14 | 450.000 | 0.010 | 0.44 | 0.1958 |
| CO-3464 | MH-3466 | MH-3471 | 483.38 | 481.18 | 480.65 | 150.0 | 28 | 2.10 | 52.418 | 0.010 | 1.03 | 0.2692 |
| CO-3468 | MH-3471 | MH-3475 | 482.95 | 480.65 | 480.33 | 150.0 | 22 | 2.05 | 70.147 | 0.010 | 0.96 | 0.3060 |
| CO-3474 | MH-3475 | MH-3481 | 482.44 | 480.33 | 480.29 | 150.0 | 18 | 1.72 | 450.000 | 0.010 | 0.51 | 0.3549 |
| CO-3486 | MH-3481 | MH-3495 | 481.93 | 480.29 | 480.18 | 150.0 | 29 | 1.24 | 251.769 | 0.010 | 0.64 | 0.3671 |
| CO-3487 | MH-3495 | MH-3449 | 481.33 | 480.18 | 479.67 | 150.0 | 42 | 1.00 | 82.779 | 0.010 | 0.96 | 0.3794 |
| CO-3490 | MH-3499 | MH-3434 | 480.07 | 478.92 | 478.55 | 150.0 | 29 | 1.45 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3441 | MH-3448 | MH-3447 | 481.19 | 480.04 | 479.61 | 150.0 | 34 | 1.09 | 79.831 | 0.010 | 0.35 | 0.0122 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3439 | MH-3446 | MH-3445 | 481.63 | 480.48 | 479.93 | 150.0 | 44 | 1.12 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-4013 | MH-4009 | MH-4010 | 483.34 | 482.19 | 482.02 | 150.0 | 13 | 1.14 | 78.488 | 0.010 | 0.35 | 0.0120 |
| CO-3431 | MH-3438 | MH-3436 | 482.80 | 481.65 | 480.99 | 150.0 | 36 | 1.64 | 54.485 | 0.010 | 0.40 | 0.0122 |
| CO-3430 | MH-3437 | MH-3436 | 483.53 | 482.38 | 482.16 | 150.0 | 18 | 1.06 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3429 | MH-3435 | MH-3436 | 482.54 | 481.39 | 480.99 | 150.0 | 32 | 1.64 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3432 | MH-3436 | MH-3439 | 483.42 | 480.99 | 480.90 | 150.0 | 23 | 2.43 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3433 | MH-3439 | MH-3440 | 483.63 | 480.90 | 480.81 | 150.0 | 29 | 2.61 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-4011 | MH-3440 | MH-4010 | 483.59 | 480.81 | 480.77 | 150.0 | 16 | 2.59 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-4012 | MH-4010 | MH-3441 | 483.45 | 480.77 | 480.74 | 150.0 | 11 | 2.48 | 450.000 | 0.010 | 0.36 | 0.0974 |
| CO-3435 | MH-3441 | MH-3442 | 483.31 | 480.74 | 480.69 | 150.0 | 24 | 2.20 | 450.000 | 0.010 | 0.37 | 0.1096 |
| CO-3436 | MH-3442 | MH-3443 | 482.82 | 480.69 | 480.64 | 150.0 | 20 | 1.75 | 450.000 | 0.010 | 0.38 | 0.1219 |
| CO-3437 | MH-3443 | MH-3444 | 482.32 | 480.64 | 480.58 | 150.0 | 27 | 1.31 | 450.000 | 0.010 | 0.39 | 0.1341 |
| CO-3438 | MH-3444 | MH-3445 | 481.82 | 480.58 | 480.17 | 150.0 | 25 | 1.04 | 61.611 | 0.010 | 0.81 | 0.1464 |
| CO-3440 | MH-3445 | MH-3447 | 481.32 | 479.93 | 479.61 | 150.0 | 21 | 1.21 | 66.134 | 0.010 | 0.83 | 0.1708 |
| CO-3442 | MH-3447 | MH-3434 | 480.93 | 479.61 | 479.45 | 150.0 | 26 | 1.09 | 162.443 | 0.010 | 0.63 | 0.1953 |
| CO-3420 | MH-3426 | MH-3427 | 483.73 | 482.58 | 482.38 | 150.0 | 16 | 1.05 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3421 | MH-3427 | MH-3428 | 483.63 | 482.38 | 482.20 | 150.0 | 27 | 1.19 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3422 | MH-3428 | MH-3429 | 483.64 | 482.20 | 482.06 | 150.0 | 28 | 1.18 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3423 | MH-3429 | MH-3430 | 483.28 | 482.06 | 481.46 | 150.0 | 31 | 1.05 | 51.925 | 0.010 | 0.62 | 0.0490 |
| CO-3424 | MH-3430 | MH-3431 | 482.64 | 481.46 | 480.84 | 150.0 | 31 | 1.01 | 50.000 | 0.010 | 0.67 | 0.0612 |
| CO-3425 | MH-3431 | MH-3432 | 481.99 | 480.82 | 480.23 | 150.0 | 30 | 1.01 | 50.000 | 0.010 | 0.71 | 0.0734 |
| CO-3426 | MH-3432 | MH-3433 | 481.38 | 480.03 | 479.46 | 150.0 | 29 | 1.10 | 50.000 | 0.010 | 0.75 | 0.0857 |
| CO-3427 | MH-3433 | MH-3425 | 480.61 | 479.46 | 479.00 | 150.0 | 36 | 1.05 | 78.274 | 0.010 | 0.66 | 0.0979 |
| CO-3391 | MH-3397 | MH-3396 | 482.64 | 481.26 | 480.83 | 150.0 | 21 | 1.12 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3390 | MH-3395 | MH-3396 | 482.27 | 481.12 | 480.83 | 150.0 | 22 | 1.00 | 75.727 | 0.010 | 0.36 | 0.0122 |
| CO-3392 | MH-3396 | MH-3394 | 481.98 | 480.83 | 480.77 | 150.0 | 13 | 1.02 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3384 | MH-3391 | MH-3390 | 482.53 | 481.38 | 481.14 | 150.0 | 19 | 1.02 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3381 | MH-3387 | MH-3388 | 481.23 | 480.08 | 479.80 | 150.0 | 22 | 1.39 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3382 | MH-3388 | MH-3389 | 481.74 | 479.80 | 479.66 | 150.0 | 20 | 2.05 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3383 | MH-3389 | MH-3390 | 482.13 | 479.66 | 479.56 | 150.0 | 20 | 2.47 | 210.692 | 0.010 | 0.35 | 0.0367 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3385 | MH-3390 | MH-3392 | 482.33 | 479.56 | 479.48 | 150.0 | 27 | 2.99 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3386 | MH-3392 | MH-3386 | 482.99 | 479.48 | 479.40 | 150.0 | 30 | 3.49 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3377 | MH-3384 | MH-3383 | 482.81 | 481.66 | 481.45 | 150.0 | 17 | 1.02 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3374 | MH-3380 | MH-3381 | 481.57 | 480.42 | 480.10 | 150.0 | 26 | 1.37 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3375 | MH-3381 | MH-3382 | 481.98 | 480.10 | 479.96 | 150.0 | 20 | 2.01 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3376 | MH-3382 | MH-3383 | 482.41 | 479.96 | 479.87 | 150.0 | 20 | 2.46 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3378 | MH-3383 | MH-3385 | 482.64 | 479.87 | 479.78 | 150.0 | 29 | 3.05 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3379 | MH-3385 | MH-3379 | 483.40 | 479.78 | 479.70 | 150.0 | 28 | 3.53 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3370 | MH-3377 | MH-3376 | 483.64 | 482.24 | 481.74 | 150.0 | 25 | 1.12 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3367 | MH-3373 | MH-3374 | 482.50 | 481.35 | 481.03 | 150.0 | 26 | 1.26 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3368 | MH-3374 | MH-3375 | 482.69 | 481.03 | 480.91 | 150.0 | 16 | 1.69 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3369 | MH-3375 | MH-3376 | 482.92 | 480.91 | 480.81 | 150.0 | 22 | 1.89 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3371 | MH-3376 | MH-3378 | 482.89 | 480.81 | 480.72 | 150.0 | 29 | 2.39 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3372 | MH-3378 | MH-3372 | 483.71 | 480.72 | 480.64 | 150.0 | 29 | 3.06 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3363 | MH-3370 | MH-3369 | 484.04 | 482.89 | 482.53 | 150.0 | 18 | 1.00 | 50.813 | 0.010 | 0.41 | 0.0122 |
| CO-3360 | MH-3366 | MH-3367 | 483.06 | 481.91 | 481.65 | 150.0 | 21 | 1.25 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3361 | MH-3367 | MH-3368 | 483.31 | 481.65 | 481.51 | 150.0 | 20 | 1.64 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3362 | MH-3368 | MH-3369 | 483.43 | 481.51 | 481.39 | 150.0 | 24 | 1.96 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3364 | MH-3369 | MH-3371 | 483.68 | 481.39 | 481.31 | 150.0 | 26 | 2.45 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3365 | MH-3371 | MH-3364 | 484.23 | 481.31 | 481.23 | 150.0 | 30 | 2.96 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3357 | MH-3362 | MH-3363 | 484.13 | 482.98 | 482.68 | 150.0 | 24 | 1.20 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3358 | MH-3363 | MH-3359 | 484.23 | 482.68 | 482.47 | 150.0 | 31 | 1.85 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-4007 | MH-4006 | MH-4007 | 485.36 | 484.21 | 484.01 | 150.0 | 15 | 1.00 | 77.042 | 0.010 | 0.35 | 0.0120 |
| CO-4010 | MH-4007 | MH-4008 | 485.16 | 484.01 | 483.96 | 150.0 | 7 | 1.07 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-3356 | MH-3361 | MH-3357 | 484.30 | 483.15 | 482.98 | 150.0 | 14 | 1.23 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3353 | MH-3357 | MH-3358 | 484.58 | 482.98 | 482.82 | 150.0 | 23 | 1.67 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3354 | MH-3358 | MH-3356 | 484.86 | 482.82 | 482.66 | 150.0 | 33 | 2.12 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3352 | MH-3355 | MH-3356 | 485.29 | 484.14 | 483.86 | 150.0 | 23 | 1.08 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-4008 | MH-3356 | MH-4008 | 485.16 | 482.66 | 482.64 | 150.0 | 6 | 2.40 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-4009 | MH-4008 | MH-3359 | 485.25 | 482.64 | 482.47 | 150.0 | 18 | 2.38 | 104.004 | 0.010 | 0.60 | 0.0972 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3359 | MH-3359 | MH-3364 | 484.93 | 482.47 | 482.41 | 150.0 | 25 | 2.14 | 450.000 | 0.010 | 0.39 | 0.1339 |
| CO-3366 | MH-3364 | MH-3372 | 484.53 | 481.23 | 481.19 | 150.0 | 19 | 2.93 | 450.000 | 0.010 | 0.45 | 0.2195 |
| CO-3373 | MH-3372 | MH-3379 | 484.06 | 480.64 | 480.58 | 150.0 | 29 | 2.99 | 450.000 | 0.010 | 0.49 | 0.3052 |
| CO-3380 | MH-3379 | MH-3386 | 483.45 | 479.70 | 479.40 | 150.0 | 21 | 3.61 | 68.870 | 0.010 | 1.04 | 0.3909 |
| CO-3387 | MH-3386 | MH-3354 | 483.17 | 479.40 | 479.35 | 150.0 | 22 | 3.63 | 450.000 | 0.010 | 0.55 | 0.4765 |
| CO-3343 | MH-3346 | MH-3345 | 485.30 | 484.15 | 483.83 | 150.0 | 25 | 1.14 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3342 | MH-3344 | MH-3345 | 485.23 | 484.08 | 483.83 | 150.0 | 18 | 1.14 | 74.389 | 0.010 | 0.36 | 0.0122 |
| CO-3344 | MH-3345 | MH-3347 | 485.26 | 483.83 | 483.76 | 150.0 | 16 | 1.41 | 210.692 | 0.010 | 0.35 | 0.0367 |
| CO-3345 | MH-3347 | MH-3348 | 485.46 | 483.76 | 483.64 | 150.0 | 30 | 1.53 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3346 | MH-3348 | MH-3349 | 485.31 | 483.64 | 483.55 | 150.0 | 30 | 1.36 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3347 | MH-3349 | MH-3350 | 484.89 | 483.55 | 483.14 | 150.0 | 30 | 1.10 | 73.542 | 0.010 | 0.62 | 0.0734 |
| CO-3348 | MH-3350 | MH-3351 | 484.29 | 483.14 | 482.63 | 150.0 | 30 | 1.00 | 58.271 | 0.010 | 0.71 | 0.0857 |
| CO-3349 | MH-3351 | MH-3352 | 483.78 | 482.63 | 482.51 | 150.0 | 23 | 1.00 | 177.708 | 0.010 | 0.50 | 0.0979 |
| CO-3350 | MH-3352 | MH-3353 | 483.66 | 482.51 | 482.24 | 150.0 | 14 | 1.00 | 52.104 | 0.010 | 0.79 | 0.1101 |
| CO-3351 | MH-3353 | MH-3354 | 483.39 | 482.22 | 481.99 | 150.0 | 12 | 1.01 | 50.000 | 0.010 | 0.83 | 0.1224 |
| CO-3388 | MH-3354 | MH-3393 | 483.14 | 479.35 | 479.28 | 150.0 | 31 | 3.45 | 450.000 | 0.010 | 0.58 | 0.6112 |
| CO-3389 | MH-3393 | MH-3394 | 482.71 | 479.28 | 479.22 | 150.0 | 31 | 2.93 | 450.000 | 0.010 | 0.58 | 0.6234 |
| CO-3393 | MH-3394 | MH-3398 | 481.95 | 479.22 | 479.19 | 150.0 | 13 | 2.46 | 450.000 | 0.010 | 0.59 | 0.6723 |
| CO-3394 | MH-3398 | MH-3399 | 481.67 | 479.19 | 479.12 | 150.0 | 31 | 2.09 | 450.000 | 0.010 | 0.59 | 0.6846 |
| CO-3395 | MH-3399 | MH-3400 | 481.12 | 479.12 | 479.06 | 150.0 | 28 | 1.53 | 450.000 | 0.010 | 0.59 | 0.6968 |
| CO-3416 | MH-3423 | MH-3424 | 481.86 | 480.71 | 480.30 | 150.0 | 28 | 1.00 | 67.868 | 0.010 | 0.37 | 0.0122 |
| CO-3417 | MH-3424 | MH-3422 | 481.45 | 480.30 | 479.72 | 150.0 | 32 | 1.00 | 55.634 | 0.010 | 0.49 | 0.0245 |
| CO-3408 | MH-3415 | MH-3416 | 483.97 | 482.82 | 482.64 | 150.0 | 14 | 1.00 | 77.346 | 0.010 | 0.35 | 0.0122 |
| CO-3409 | MH-3416 | MH-3417 | 483.79 | 482.64 | 482.51 | 150.0 | 19 | 1.00 | 146.275 | 0.010 | 0.35 | 0.0245 |
| CO-3410 | MH-3417 | MH-3414 | 483.67 | 482.51 | 482.28 | 150.0 | 28 | 1.02 | 118.153 | 0.010 | 0.43 | 0.0367 |
| CO-3404 | MH-3411 | MH-3412 | 484.60 | 483.45 | 483.26 | 150.0 | 15 | 1.01 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3405 | MH-3412 | MH-3413 | 484.44 | 483.26 | 482.95 | 150.0 | 25 | 1.01 | 78.789 | 0.010 | 0.44 | 0.0245 |
| CO-3406 | MH-3413 | MH-3410 | 484.10 | 482.95 | 482.46 | 150.0 | 26 | 1.13 | 52.925 | 0.010 | 0.57 | 0.0367 |
| CO-3400 | MH-3407 | MH-3405 | 484.21 | 483.06 | 482.64 | 150.0 | 34 | 1.36 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3398 | MH-3404 | MH-3403 | 484.64 | 483.49 | 483.34 | 150.0 | 12 | 1.16 | 79.831 | 0.010 | 0.35 | 0.0122 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3396 | MH-3401 | MH-3402 | 485.28 | 484.13 | 483.85 | 150.0 | 22 | 1.08 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3397 | MH-3402 | MH-3403 | 485.16 | 483.85 | 483.34 | 150.0 | 28 | 1.24 | 55.634 | 0.010 | 0.49 | 0.0245 |
| CO-3399 | MH-3403 | MH-3405 | 484.82 | 483.34 | 483.25 | 150.0 | 25 | 1.22 | 265.829 | 0.010 | 0.35 | 0.0490 |
| CO-3401 | MH-3405 | MH-3408 | 484.51 | 482.64 | 482.58 | 150.0 | 21 | 1.62 | 373.203 | 0.010 | 0.35 | 0.0734 |
| CO-3402 | MH-3408 | MH-3409 | 484.25 | 482.58 | 482.52 | 150.0 | 29 | 1.38 | 427.809 | 0.010 | 0.35 | 0.0857 |
| CO-3403 | MH-3409 | MH-3410 | 483.90 | 482.52 | 482.46 | 150.0 | 23 | 1.25 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3407 | MH-3410 | MH-3414 | 483.88 | 482.46 | 482.28 | 150.0 | 25 | 1.15 | 132.708 | 0.010 | 0.62 | 0.1469 |
| CO-3411 | MH-3414 | MH-3418 | 483.46 | 482.28 | 481.88 | 150.0 | 20 | 1.02 | 50.000 | 0.010 | 0.96 | 0.1958 |
| CO-3412 | MH-3418 | MH-3419 | 483.03 | 481.88 | 481.48 | 150.0 | 23 | 1.00 | 57.223 | 0.010 | 0.92 | 0.2080 |
| CO-3413 | MH-3419 | MH-3420 | 482.63 | 481.09 | 480.61 | 150.0 | 24 | 1.19 | 50.000 | 0.010 | 0.99 | 0.2203 |
| CO-3414 | MH-3420 | MH-3421 | 481.76 | 480.61 | 480.12 | 150.0 | 25 | 1.00 | 52.137 | 0.010 | 0.99 | 0.2325 |
| CO-3415 | MH-3421 | MH-3422 | 481.27 | 480.12 | 479.72 | 150.0 | 31 | 1.00 | 77.626 | 0.010 | 0.87 | 0.2448 |
| CO-3418 | MH-3422 | MH-3400 | 480.87 | 479.72 | 479.06 | 150.0 | 37 | 1.11 | 56.036 | 0.010 | 1.02 | 0.2815 |
| CO-3419 | MH-3400 | MH-3425 | 480.42 | 479.04 | 478.98 | 170.0 | 26 | 1.16 | 450.000 | 0.010 | 0.65 | 0.9905 |
| CO-3428 | MH-3425 | MH-3434 | 480.26 | 478.98 | 478.83 | 170.0 | 29 | 1.35 | 200.000 | 0.010 | 0.92 | 1.1007 |
| CO-3443 | MH-3434 | MH-3449 | 480.60 | 478.53 | 478.37 | 170.0 | 33 | 2.09 | 200.000 | 0.010 | 0.95 | 1.3205 |
| CO-3488 | MH-3449 | MH-3496 | 480.82 | 478.29 | 478.20 | 250.0 | 43 | 1.79 | 450.000 | 0.010 | 0.76 | 1.7121 |
| CO-4027 | MH-3496 | MH-4025 | 479.74 | 476.56 | 476.54 | 250.0 | 8 | 2.97 | 450.000 | 0.010 | 0.77 | 1.7967 |
| CO-4028 | MH-4025 | MH-3500 | 479.79 | 476.54 | 476.50 | 250.0 | 21 | 3.06 | 450.000 | 0.010 | 0.78 | 1.9766 |
| CO-3498 | MH-3500 | MH-3505 | 479.88 | 476.50 | 476.43 | 250.0 | 31 | 2.91 | 450.000 | 0.010 | 0.80 | 2.1464 |
| CO-3499 | MH-3505 | MH-3506 | 479.37 | 476.43 | 476.35 | 250.0 | 33 | 2.26 | 450.000 | 0.010 | 0.80 | 2.1586 |
| CO-3500 | MH-3506 | MH-3507 | 478.43 | 476.35 | 476.30 | 250.0 | 25 | 1.77 | 450.000 | 0.010 | 0.80 | 2.1709 |
| CO-3501 | MH-3507 | MH-3508 | 478.26 | 476.30 | 476.22 | 250.0 | 36 | 1.56 | 450.000 | 0.010 | 0.80 | 2.1831 |
| CO-3502 | MH-3508 | MH-3509 | 477.88 | 476.22 | 476.16 | 250.0 | 26 | 1.46 | 450.000 | 0.010 | 0.80 | 2.1953 |
| CO-3503 | MH-3509 | MH-3510 | 477.91 | 476.16 | 476.11 | 250.0 | 20 | 1.59 | 450.000 | 0.010 | 0.80 | 2.2196 |
| CO-3504 | MH-3510 | MH-3511 | 478.04 | 476.11 | 476.07 | 250.0 | 19 | 1.76 | 450.000 | 0.010 | 0.81 | 2.2318 |
| CO-3574 | MH-3511 | MH-3581 | 478.18 | 476.07 | 476.02 | 250.0 | 25 | 1.80 | 450.000 | 0.010 | 0.81 | 2.2440 |
| CO-3575 | MH-3581 | MH-3582 | 478.02 | 476.02 | 475.96 | 250.0 | 25 | 1.52 | 450.000 | 0.010 | 0.81 | 2.2563 |
| CO-3576 | MH-3582 | MH-3583 | 477.49 | 475.96 | 475.78 | 250.0 | 18 | 1.15 | 101.198 | 0.010 | 1.42 | 2.2685 |
| CO-3578 | MH-3583 | MH-3585 | 477.05 | 475.78 | 475.38 | 250.0 | 20 | 1.01 | 50.000 | 0.010 | 1.84 | 2.2930 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3579 | MH-3585 | MH-3586 | 476.63 | 475.12 | 474.44 | 250.0 | 34 | 1.13 | 50.000 | 0.010 | 1.84 | 2.3052 |
| CO-3580 | MH-3586 | MH-3587 | 475.69 | 474.27 | 473.76 | 250.0 | 26 | 1.08 | 50.000 | 0.010 | 1.84 | 2.3175 |
| CO-4278 | MH-4228 | MH-3587 | 475.01 | 473.67 | 473.71 | 300.0 | 20 | 1.02 | 450.000 | 0.011 | 0.82 | 3.1252 |
| CO-4250 | MH-4228 | MH-3601 | 475.01 | 473.67 | 472.77 | 300.0 | 74 | 1.37 | 82.780 | 0.011 | 1.57 | 3.3445 |
| CO-4238 | MH-4220 | MH-4221 | 476.02 | 474.87 | 474.35 | 150.0 | 30 | 1.00 | 57.986 | 0.010 | 0.39 | 0.0120 |
| CO-4241 | MH-4221 | MH-4222 | 475.50 | 474.35 | 474.13 | 150.0 | 31 | 1.04 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4149 | MH-4135 | MH-4136 | 477.10 | 475.95 | 475.64 | 150.0 | 16 | 1.00 | 50.942 | 0.010 | 0.41 | 0.0120 |
| CO-4150 | MH-4136 | MH-4137 | 476.79 | 475.64 | 475.50 | 150.0 | 21 | 1.01 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4151 | MH-4137 | MH-4138 | 476.66 | 475.50 | 475.23 | 150.0 | 16 | 1.03 | 62.065 | 0.010 | 0.53 | 0.0360 |
| CO-4154 | MH-4138 | MH-4139 | 476.42 | 475.23 | 475.00 | 150.0 | 12 | 1.02 | 50.000 | 0.010 | 0.62 | 0.0480 |
| CO-3338 | MH-3340 | MH-3339 | 476.76 | 475.61 | 475.36 | 150.0 | 17 | 1.00 | 65.775 | 0.010 | 0.37 | 0.0122 |
| CO-3334 | MH-3336 | MH-3335 | 477.92 | 476.77 | 476.62 | 150.0 | 12 | 1.01 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3326 | MH-3329 | MH-3328 | 481.12 | 479.62 | 479.30 | 150.0 | 16 | 1.18 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3323 | MH-3326 | MH-3324 | 479.65 | 478.50 | 478.27 | 150.0 | 19 | 1.35 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3322 | MH-3325 | MH-3324 | 480.84 | 479.25 | 478.97 | 150.0 | 14 | 1.22 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3319 | MH-3322 | MH-3320 | 480.43 | 478.97 | 478.68 | 150.0 | 15 | 1.16 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3318 | MH-3321 | MH-3320 | 479.37 | 478.22 | 477.97 | 150.0 | 18 | 1.35 | 70.095 | 0.010 | 0.37 | 0.0122 |
| CO-3315 | MH-3318 | MH-3317 | 480.11 | 478.68 | 478.36 | 150.0 | 16 | 1.14 | 50.000 | 0.010 | 0.41 | 0.0122 |
| CO-3310 | MH-3312 | MH-3313 | 480.00 | 478.85 | 478.57 | 150.0 | 22 | 1.01 | 79.831 | 0.010 | 0.35 | 0.0122 |
| CO-3311 | MH-3313 | MH-3314 | 479.75 | 478.57 | 478.46 | 150.0 | 16 | 1.01 | 143.265 | 0.010 | 0.35 | 0.0245 |
| CO-3312 | MH-3314 | MH-3315 | 479.61 | 478.46 | 478.29 | 150.0 | 17 | 1.00 | 97.519 | 0.010 | 0.46 | 0.0367 |
| CO-3313 | MH-3315 | MH-3316 | 479.44 | 478.29 | 478.11 | 150.0 | 29 | 1.00 | 157.209 | 0.010 | 0.42 | 0.0490 |
| CO-3314 | MH-3316 | MH-3317 | 479.26 | 478.11 | 478.07 | 150.0 | 12 | 1.15 | 323.497 | 0.010 | 0.35 | 0.0612 |
| CO-3316 | MH-3317 | MH-3319 | 479.51 | 478.07 | 478.01 | 150.0 | 24 | 1.68 | 427.809 | 0.010 | 0.35 | 0.0857 |
| CO-3317 | MH-3319 | MH-3320 | 480.23 | 478.01 | 477.97 | 150.0 | 20 | 1.89 | 450.000 | 0.010 | 0.36 | 0.0979 |
| CO-3320 | MH-3320 | MH-3323 | 479.83 | 477.97 | 477.91 | 150.0 | 24 | 1.96 | 450.000 | 0.010 | 0.39 | 0.1346 |
| CO-3321 | MH-3323 | MH-3324 | 480.27 | 477.91 | 477.86 | 150.0 | 22 | 2.16 | 450.000 | 0.010 | 0.40 | 0.1469 |
| CO-3324 | MH-3324 | MH-3327 | 480.12 | 477.86 | 477.80 | 150.0 | 30 | 2.30 | 450.000 | 0.010 | 0.43 | 0.1836 |
| CO-3325 | MH-3327 | MH-3328 | 480.45 | 477.80 | 477.76 | 150.0 | 16 | 2.52 | 450.000 | 0.010 | 0.44 | 0.1958 |
| CO-3327 | MH-3328 | MH-3330 | 480.45 | 477.76 | 477.70 | 150.0 | 25 | 2.47 | 450.000 | 0.010 | 0.45 | 0.2203 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3328 | MH-3330 | MH-3331 | 480.26 | 477.70 | 477.65 | 150.0 | 24 | 2.25 | 450.000 | 0.010 | 0.46 | 0.2325 |
| CO-3329 | MH-3331 | MH-3332 | 479.89 | 477.65 | 477.59 | 150.0 | 30 | 1.90 | 450.000 | 0.010 | 0.46 | 0.2448 |
| CO-3330 | MH-3332 | MH-3291 | 479.44 | 477.59 | 477.54 | 150.0 | 20 | 1.44 | 450.000 | 0.010 | 0.47 | 0.2570 |
| CO-3286 | MH-3289 | MH-3290 | 480.06 | 478.91 | 478.46 | 150.0 | 30 | 1.00 | 66.886 | 0.010 | 0.37 | 0.0122 |
| CO-3287 | MH-3290 | MH-3291 | 479.61 | 478.26 | 477.72 | 150.0 | 27 | 1.10 | 50.000 | 0.010 | 0.51 | 0.0245 |
| CO-3331 | MH-3291 | MH-3333 | 478.87 | 477.54 | 477.47 | 150.0 | 25 | 1.09 | 331.015 | 0.010 | 0.54 | 0.2937 |
| CO-3332 | MH-3333 | MH-3334 | 478.62 | 477.47 | 477.11 | 150.0 | 31 | 1.01 | 85.546 | 0.010 | 0.90 | 0.3060 |
| CO-3333 | MH-3334 | MH-3335 | 478.29 | 477.11 | 476.64 | 150.0 | 23 | 1.01 | 50.000 | 0.010 | 1.09 | 0.3182 |
| CO-3335 | MH-3335 | MH-3337 | 477.79 | 476.62 | 476.30 | 150.0 | 22 | 1.01 | 69.453 | 0.010 | 1.00 | 0.3427 |
| CO-3336 | MH-3337 | MH-3338 | 477.45 | 476.30 | 475.72 | 150.0 | 30 | 1.14 | 50.807 | 0.010 | 1.13 | 0.3549 |
| CO-3337 | MH-3338 | MH-3339 | 477.14 | 475.72 | 475.36 | 150.0 | 18 | 1.14 | 50.000 | 0.010 | 1.14 | 0.3671 |
| CO-4152 | MH-3339 | MH-4139 | 476.51 | 475.36 | 475.00 | 150.0 | 18 | 1.00 | 50.000 | 0.010 | 1.16 | 0.3916 |
| CO-4153 | MH-4139 | MH-3341 | 476.15 | 474.85 | 474.41 | 150.0 | 22 | 1.08 | 50.000 | 0.010 | 1.21 | 0.4516 |
| CO-4239 | MH-3341 | MH-4222 | 475.56 | 474.37 | 474.21 | 150.0 | 8 | 1.02 | 50.000 | 0.010 | 1.22 | 0.4638 |
| CO-4240 | MH-4222 | MH-3342 | 475.36 | 474.13 | 473.64 | 150.0 | 27 | 1.04 | 54.626 | 0.010 | 1.21 | 0.4998 |
| CO-4242 | MH-4223 | MH-4224 | 475.49 | 474.34 | 473.93 | 150.0 | 30 | 1.00 | 72.700 | 0.010 | 0.36 | 0.0120 |
| CO-4243 | MH-4224 | MH-3342 | 475.08 | 473.93 | 473.64 | 150.0 | 37 | 1.00 | 127.435 | 0.010 | 0.37 | 0.0240 |
| CO-3341 | MH-3342 | MH-3343 | 474.79 | 473.64 | 473.48 | 150.0 | 24 | 1.00 | 147.741 | 0.010 | 0.86 | 0.5360 |
| CO-4245 | MH-3343 | MH-4227 | 474.63 | 473.48 | 473.47 | 150.0 | 6 | 1.00 | 450.000 | 0.010 | 0.57 | 0.5482 |
| CO-4244 | MH-4225 | MH-4226 | 474.92 | 473.77 | 473.29 | 150.0 | 33 | 1.00 | 67.732 | 0.010 | 0.37 | 0.0120 |
| CO-4247 | MH-4226 | MH-4227 | 474.44 | 473.29 | 473.04 | 150.0 | 36 | 1.22 | 145.191 | 0.010 | 0.35 | 0.0240 |
| CO-4248 | MH-4227 | MH-3601 | 474.62 | 473.04 | 472.92 | 150.0 | 17 | 1.57 | 141.008 | 0.010 | 0.89 | 0.5842 |
| CO-4255 | MH-3601 | OF-3 | 474.78 | 472.77 | 472.28 | 300.0 | 24 | 1.35 | 50.000 | 0.011 | 1.96 | 3.9409 |

Hydraulic Model Inventory: Zone IX Part IV B.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part IV) |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 15-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 105 | Taps | 0 |
| -Circle | 105 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 105 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|--------------|---------|
| Circle - 150.0 mm | 2,781 m | Total Length | 2,799 m |
| Circle - 170.0 mm | 19 m | | |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4515 | MH-4450 | MH-4451 | 478.59 | 477.52 | 477.30 | 150.0 | 33 | 1.31 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4516 | MH-4451 | MH-4446 | 479.16 | 477.30 | 477.09 | 150.0 | 31 | 1.86 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4513 | MH-4448 | MH-4449 | 478.78 | 477.72 | 477.51 | 150.0 | 30 | 1.23 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4514 | MH-4449 | MH-4445 | 479.22 | 477.51 | 477.30 | 150.0 | 32 | 1.67 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4676 | MH-4601 | MH-4602 | 479.25 | 478.04 | 477.86 | 150.0 | 27 | 0.99 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4668 | MH-4594 | MH-4595 | 481.15 | 479.99 | 479.79 | 150.0 | 31 | 0.96 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4669 | MH-4595 | MH-4596 | 480.85 | 479.30 | 479.08 | 150.0 | 33 | 1.16 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4671 | MH-4596 | MH-4598 | 480.15 | 478.56 | 478.33 | 150.0 | 35 | 1.17 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4672 | MH-4598 | MH-4585 | 479.39 | 478.32 | 478.21 | 150.0 | 17 | 0.92 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4663 | MH-4589 | MH-4590 | 481.32 | 480.26 | 480.05 | 150.0 | 31 | 0.94 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4664 | MH-4590 | MH-4591 | 481.16 | 479.61 | 479.38 | 150.0 | 35 | 1.16 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4665 | MH-4591 | MH-4592 | 480.44 | 479.18 | 479.00 | 150.0 | 27 | 1.02 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4666 | MH-4592 | MH-4593 | 480.06 | 478.97 | 478.91 | 150.0 | 9 | 0.93 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4667 | MH-4593 | MH-4584 | 479.98 | 478.81 | 478.67 | 150.0 | 21 | 0.97 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-4715 | MH-4583 | MH-4640 | 480.91 | 479.63 | 479.40 | 150.0 | 35 | 1.02 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4716 | MH-4640 | MH-4584 | 480.46 | 478.88 | 478.67 | 150.0 | 32 | 1.17 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4659 | MH-4584 | MH-4585 | 479.73 | 478.42 | 478.21 | 150.0 | 32 | 1.04 | 150.000 | 0.010 | 0.52 | 0.0931 |
| CO-4660 | MH-4585 | MH-4586 | 479.27 | 478.16 | 477.97 | 150.0 | 28 | 0.94 | 150.000 | 0.010 | 0.60 | 0.1513 |
| CO-4661 | MH-4586 | MH-4587 | 479.03 | 477.97 | 477.77 | 150.0 | 30 | 0.91 | 150.000 | 0.010 | 0.61 | 0.1630 |
| CO-4662 | MH-4587 | MH-4588 | 478.83 | 477.35 | 477.14 | 150.0 | 31 | 1.12 | 150.000 | 0.010 | 0.63 | 0.1746 |
| CO-4677 | MH-4588 | MH-4603 | 478.20 | 477.14 | 476.98 | 150.0 | 24 | 1.17 | 150.000 | 0.010 | 0.63 | 0.1862 |
| CO-4678 | MH-4603 | MH-4602 | 478.56 | 476.98 | 476.85 | 150.0 | 20 | 1.67 | 150.000 | 0.010 | 0.65 | 0.1979 |
| CO-4679 | MH-4602 | MH-3760 | 478.92 | 476.85 | 476.74 | 150.0 | 17 | 2.11 | 150.000 | 0.010 | 0.67 | 0.2212 |
| CO-3753 | MH-3760 | MH-3761 | 479.20 | 476.74 | 476.47 | 150.0 | 40 | 2.86 | 150.000 | 0.010 | 0.68 | 0.2328 |
| CO-4653 | MH-4579 | MH-3761 | 480.19 | 479.12 | 478.95 | 150.0 | 25 | 0.92 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-3754 | MH-3761 | MH-3759 | 480.02 | 476.47 | 476.25 | 150.0 | 32 | 3.77 | 150.000 | 0.010 | 0.70 | 0.2561 |
| CO-3734 | MH-3741 | MH-3742 | 478.99 | 477.93 | 477.72 | 150.0 | 31 | 1.33 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4647 | MH-3742 | MH-4576 | 479.61 | 477.72 | 477.58 | 150.0 | 21 | 1.96 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4648 | MH-4576 | MH-3743 | 479.91 | 477.58 | 477.42 | 150.0 | 24 | 2.47 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-3736 | MH-3743 | MH-3744 | 480.33 | 477.42 | 477.23 | 150.0 | 29 | 2.97 | 150.000 | 0.010 | 0.42 | 0.0466 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3730 | MH-3738 | MH-3739 | 479.98 | 478.91 | 478.82 | 150.0 | 14 | 1.04 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-3731 | MH-3739 | MH-3740 | 480.12 | 478.82 | 478.62 | 150.0 | 30 | 1.56 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-3732 | MH-3740 | MH-3737 | 480.74 | 478.62 | 478.45 | 150.0 | 24 | 2.12 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4646 | MH-3737 | MH-3744 | 480.88 | 478.45 | 478.29 | 150.0 | 25 | 2.20 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4649 | MH-3744 | MH-4577 | 480.55 | 477.23 | 477.20 | 150.0 | 4 | 3.17 | 150.000 | 0.010 | 0.54 | 0.1048 |
| CO-4650 | MH-4577 | MH-3745 | 480.52 | 477.20 | 476.97 | 150.0 | 34 | 3.42 | 150.000 | 0.010 | 0.55 | 0.1164 |
| CO-4640 | MH-4571 | MH-3722 | 481.34 | 480.27 | 480.02 | 150.0 | 38 | 1.29 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4717 | MH-4582 | MH-4641 | 480.96 | 479.90 | 479.70 | 150.0 | 30 | 1.15 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4719 | MH-4641 | MH-4642 | 481.23 | 479.70 | 479.48 | 150.0 | 33 | 1.81 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4720 | MH-4642 | MH-3721 | 481.86 | 479.48 | 479.23 | 150.0 | 37 | 2.36 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-3714 | MH-3721 | MH-3722 | 481.87 | 479.23 | 479.00 | 150.0 | 34 | 2.58 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-3718 | MH-3722 | MH-3726 | 481.83 | 479.00 | 478.83 | 150.0 | 25 | 2.64 | 150.000 | 0.010 | 0.48 | 0.0698 |
| CO-4641 | MH-4572 | MH-3726 | 481.15 | 480.09 | 479.88 | 150.0 | 31 | 1.23 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-3721 | MH-3726 | MH-3729 | 481.58 | 478.83 | 478.67 | 150.0 | 24 | 2.53 | 150.000 | 0.010 | 0.52 | 0.0931 |
| CO-4642 | MH-4573 | MH-3729 | 481.22 | 480.16 | 480.05 | 150.0 | 17 | 1.01 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-3726 | MH-3729 | MH-3734 | 481.30 | 478.67 | 478.50 | 150.0 | 25 | 2.51 | 150.000 | 0.010 | 0.55 | 0.1164 |
| CO-4643 | MH-4574 | MH-3734 | 481.18 | 480.12 | 480.03 | 150.0 | 13 | 0.96 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4644 | MH-3734 | MH-4575 | 481.19 | 478.50 | 478.34 | 150.0 | 25 | 2.54 | 150.000 | 0.010 | 0.59 | 0.1397 |
| CO-4645 | MH-4575 | MH-3745 | 481.03 | 478.34 | 478.08 | 150.0 | 39 | 2.55 | 150.000 | 0.010 | 0.60 | 0.1513 |
| CO-3751 | MH-3745 | MH-3757 | 480.79 | 476.97 | 476.83 | 150.0 | 22 | 3.91 | 150.000 | 0.010 | 0.71 | 0.2794 |
| CO-3747 | MH-3753 | MH-3754 | 478.87 | 477.80 | 477.63 | 150.0 | 26 | 1.17 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4673 | MH-3754 | MH-4600 | 479.21 | 477.63 | 477.53 | 150.0 | 14 | 1.52 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4675 | MH-4599 | MH-4600 | 479.70 | 478.33 | 478.24 | 150.0 | 14 | 1.07 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4674 | MH-4600 | MH-3755 | 479.30 | 477.53 | 477.44 | 150.0 | 15 | 1.78 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-3749 | MH-3755 | MH-3756 | 479.53 | 477.44 | 477.13 | 150.0 | 45 | 2.45 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-4652 | MH-4578 | MH-3756 | 480.49 | 479.32 | 479.18 | 150.0 | 21 | 0.97 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-3750 | MH-3756 | MH-3757 | 480.25 | 477.13 | 476.91 | 150.0 | 34 | 3.52 | 150.000 | 0.010 | 0.50 | 0.0815 |
| CO-3752 | MH-3757 | MH-3759 | 481.14 | 476.83 | 476.61 | 150.0 | 32 | 3.97 | 150.000 | 0.010 | 0.77 | 0.3725 |
| CO-3755 | MH-3759 | MH-3762 | 480.54 | 476.25 | 476.05 | 150.0 | 30 | 4.12 | 150.000 | 0.010 | 0.90 | 0.6402 |
| CO-4656 | MH-4580 | MH-4581 | 479.97 | 478.85 | 478.67 | 150.0 | 26 | 0.94 | 150.000 | 0.010 | 0.28 | 0.0116 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4655 | MH-4581 | MH-3762 | 479.74 | 478.67 | 478.44 | 150.0 | 35 | 1.32 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-3759 | MH-3762 | MH-3766 | 480.32 | 476.05 | 475.81 | 150.0 | 36 | 4.17 | 150.000 | 0.010 | 0.91 | 0.6751 |
| CO-3760 | MH-3766 | MH-3767 | 480.18 | 475.81 | 475.61 | 150.0 | 30 | 4.21 | 150.000 | 0.010 | 0.91 | 0.6868 |
| CO-3761 | MH-3767 | MH-3768 | 479.96 | 475.61 | 475.50 | 150.0 | 16 | 4.19 | 150.000 | 0.010 | 0.92 | 0.6984 |
| CO-3762 | MH-3768 | MH-3769 | 479.83 | 475.50 | 475.28 | 150.0 | 33 | 4.21 | 150.000 | 0.010 | 0.92 | 0.7100 |
| CO-3763 | MH-3769 | MH-3770 | 479.68 | 475.28 | 475.07 | 150.0 | 32 | 4.29 | 150.000 | 0.010 | 0.92 | 0.7217 |
| CO-3764 | MH-3770 | MH-4639 | 479.54 | 475.07 | 474.97 | 150.0 | 14 | 4.15 | 150.000 | 0.010 | 0.93 | 0.7333 |
| CO-4707 | MH-4636 | MH-4635 | 477.84 | 476.78 | 476.69 | 150.0 | 12 | 1.17 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4706 | MH-4634 | MH-4635 | 478.13 | 477.07 | 476.98 | 150.0 | 12 | 1.02 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4708 | MH-4635 | MH-4637 | 478.27 | 476.69 | 476.54 | 150.0 | 23 | 1.59 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4709 | MH-4637 | MH-4633 | 478.44 | 476.54 | 476.43 | 150.0 | 16 | 1.70 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4705 | MH-4632 | MH-4633 | 477.61 | 476.54 | 476.36 | 150.0 | 28 | 1.32 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4710 | MH-4633 | MH-4638 | 478.23 | 476.36 | 476.13 | 150.0 | 35 | 2.16 | 150.000 | 0.010 | 0.48 | 0.0698 |
| CO-4695 | MH-4621 | MH-4620 | 477.40 | 476.34 | 476.15 | 150.0 | 29 | 1.04 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4694 | MH-4619 | MH-4620 | 477.55 | 475.96 | 476.15 | 150.0 | 29 | 1.30 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4699 | MH-4619 | MH-4625 | 477.55 | 475.96 | 475.74 | 150.0 | 32 | 1.94 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4700 | MH-4625 | MH-4626 | 478.33 | 475.74 | 475.59 | 150.0 | 23 | 2.71 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4701 | MH-4626 | MH-4627 | 478.72 | 475.59 | 475.45 | 150.0 | 21 | 3.23 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-4725 | MH-4645 | MH-4618 | 479.82 | 478.24 | 478.42 | 150.0 | 27 | 1.08 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4696 | MH-4622 | MH-4623 | 477.51 | 476.45 | 476.27 | 150.0 | 26 | 1.33 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4697 | MH-4623 | MH-4624 | 478.16 | 476.27 | 476.11 | 150.0 | 24 | 2.15 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4698 | MH-4624 | MH-4618 | 478.81 | 476.11 | 475.92 | 150.0 | 28 | 2.89 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4691 | MH-4617 | MH-4616 | 479.69 | 478.57 | 478.40 | 150.0 | 25 | 0.94 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4681 | MH-4606 | MH-4607 | 478.04 | 476.47 | 476.28 | 150.0 | 29 | 1.17 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4682 | MH-4607 | MH-4608 | 477.34 | 476.28 | 476.08 | 150.0 | 30 | 1.26 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4683 | MH-4608 | MH-4609 | 477.84 | 476.08 | 475.92 | 150.0 | 24 | 1.92 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4684 | MH-4609 | MH-4615 | 478.30 | 475.92 | 475.80 | 150.0 | 18 | 2.55 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4680 | MH-4604 | MH-4615 | 479.14 | 477.95 | 477.77 | 150.0 | 28 | 0.98 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4689 | MH-4615 | MH-4614 | 478.83 | 475.80 | 475.62 | 150.0 | 28 | 3.01 | 150.000 | 0.010 | 0.48 | 0.0698 |
| CO-4685 | MH-4610 | MH-4611 | 477.29 | 476.10 | 475.95 | 150.0 | 23 | 0.98 | 150.000 | 0.010 | 0.28 | 0.0116 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-4686 | MH-4611 | MH-4612 | 477.01 | 475.95 | 475.78 | 150.0 | 25 | 1.27 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4687 | MH-4612 | MH-4613 | 477.56 | 475.78 | 475.61 | 150.0 | 25 | 2.08 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4688 | MH-4613 | MH-4614 | 478.29 | 475.61 | 475.43 | 150.0 | 27 | 2.93 | 150.000 | 0.010 | 0.42 | 0.0466 |
| CO-4690 | MH-4614 | MH-4616 | 478.91 | 475.43 | 475.24 | 150.0 | 30 | 3.71 | 150.000 | 0.010 | 0.57 | 0.1280 |
| CO-4692 | MH-4616 | MH-4618 | 479.47 | 475.24 | 475.04 | 150.0 | 30 | 4.10 | 150.000 | 0.010 | 0.60 | 0.1513 |
| CO-4713 | MH-4618 | MH-4631 | 479.31 | 474.85 | 475.04 | 150.0 | 28 | 4.14 | 150.000 | 0.010 | 0.66 | 0.2095 |
| CO-4702 | MH-4628 | MH-4629 | 477.63 | 476.56 | 476.36 | 150.0 | 30 | 1.39 | 150.000 | 0.010 | 0.28 | 0.0116 |
| CO-4703 | MH-4629 | MH-4630 | 478.38 | 476.36 | 476.17 | 150.0 | 29 | 2.31 | 150.000 | 0.010 | 0.34 | 0.0233 |
| CO-4704 | MH-4630 | MH-4631 | 479.06 | 476.17 | 476.07 | 150.0 | 15 | 2.84 | 150.000 | 0.010 | 0.39 | 0.0349 |
| CO-4712 | MH-4627 | MH-4631 | 479.08 | 474.66 | 474.85 | 150.0 | 28 | 4.21 | 150.000 | 0.010 | 0.70 | 0.2561 |
| CO-4711 | MH-4638 | MH-4627 | 478.87 | 474.40 | 474.66 | 150.0 | 38 | 4.30 | 150.000 | 0.010 | 0.75 | 0.3259 |
| CO-4714 | MH-4639 | MH-4638 | 479.09 | 474.19 | 474.40 | 150.0 | 32 | 4.54 | 150.000 | 0.010 | 0.79 | 0.4074 |
| CO-4724 | MH-4639 | MH-4445 | 479.09 | 474.19 | 474.05 | 150.0 | 28 | 4.90 | 200.000 | 0.010 | 0.90 | 1.1524 |
| CO-4510 | MH-4445 | MH-4446 | 479.23 | 474.05 | 473.96 | 150.0 | 18 | 5.09 | 200.000 | 0.010 | 0.90 | 1.1873 |
| CO-4511 | MH-4446 | OF-3 | 479.24 | 473.94 | 473.84 | 170.0 | 19 | 5.10 | 200.000 | 0.010 | 0.94 | 1.2222 |

Hydraulic Model Inventory: Zone IX Part IV C.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part IV) |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 16-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 995 | Taps | 0 |
| -Circle | 995 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 995 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|-------|
| Circle - 150.0 mm | 21,891 m | Circle - 350.0 mm | 261 m |
| Circle - 170.0 mm | 446 m | Circle - 450.0 mm | 510 m |
| Circle - 200.0 mm | 391 m | Circle - 500.0 mm | 241 m |

Hydraulic Model Inventory: Zone IX Part IV C.stsw

| Circle Inventory | | | |
|-------------------|-------|-------------------|----------|
| Circle - 250.0 mm | 88 m | Circle - 600.0 mm | 24 m |
| Circle - 300.0 mm | 397 m | Total Length | 24,249 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3820 | MH-3826 | MH-3825 | 473.76 | 472.59 | 472.24 | 150.0 | 24 | 1.01 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3817 | MH-3823 | MH-3822 | 474.77 | 473.33 | 473.04 | 150.0 | 20 | 1.15 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3814 | MH-3820 | MH-3819 | 475.80 | 474.30 | 473.99 | 150.0 | 22 | 1.17 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3812 | MH-3817 | MH-3818 | 476.20 | 474.84 | 474.57 | 150.0 | 20 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3813 | MH-3818 | MH-3819 | 475.72 | 474.36 | 473.99 | 150.0 | 26 | 1.10 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3815 | MH-3819 | MH-3821 | 475.14 | 473.79 | 473.43 | 150.0 | 25 | 1.10 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3816 | MH-3821 | MH-3822 | 474.58 | 473.25 | 473.04 | 150.0 | 15 | 1.09 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3818 | MH-3822 | MH-3824 | 474.19 | 473.00 | 472.66 | 150.0 | 24 | 1.02 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-3819 | MH-3824 | MH-3825 | 473.81 | 472.59 | 472.24 | 150.0 | 24 | 1.04 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-3821 | MH-3825 | MH-3827 | 473.39 | 472.20 | 471.69 | 150.0 | 36 | 1.02 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-3822 | MH-3827 | MH-3828 | 472.84 | 471.69 | 471.30 | 150.0 | 30 | 1.00 | 78.581 | 0.010 | 0.70 | 0.1189 |
| CO-3823 | MH-3828 | MH-3829 | 472.45 | 471.30 | 471.21 | 150.0 | 20 | 1.00 | 222.955 | 0.010 | 0.50 | 0.1297 |
| CO-4132 | MH-3829 | MH-4114 | 472.36 | 471.21 | 471.17 | 150.0 | 19 | 1.01 | 439.801 | 0.010 | 0.40 | 0.1405 |
| CO-4133 | MH-4121 | MH-4122 | 472.51 | 471.36 | 471.30 | 150.0 | 30 | 1.28 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4134 | MH-4122 | MH-4123 | 473.02 | 471.30 | 471.03 | 150.0 | 24 | 1.84 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4135 | MH-4123 | MH-4124 | 473.30 | 471.03 | 470.99 | 150.0 | 5 | 2.10 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4136 | MH-4124 | MH-4117 | 473.22 | 470.99 | 470.92 | 150.0 | 12 | 2.00 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-3829 | MH-3835 | MH-3834 | 473.89 | 472.71 | 472.39 | 150.0 | 23 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3826 | MH-3832 | MH-3831 | 474.92 | 473.43 | 473.06 | 150.0 | 25 | 1.17 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3825 | MH-3830 | MH-3831 | 475.03 | 473.67 | 473.06 | 150.0 | 42 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3827 | MH-3831 | MH-3833 | 474.21 | 473.05 | 472.66 | 150.0 | 28 | 1.01 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3828 | MH-3833 | MH-3834 | 473.81 | 472.61 | 472.39 | 150.0 | 16 | 1.02 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4126 | MH-3834 | MH-4116 | 473.54 | 472.39 | 472.24 | 150.0 | 12 | 1.05 | 85.496 | 0.010 | 0.57 | 0.0649 |
| CO-4127 | MH-4116 | MH-4117 | 473.49 | 472.24 | 471.84 | 150.0 | 28 | 1.05 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4128 | MH-4117 | MH-4118 | 472.99 | 470.92 | 470.85 | 150.0 | 28 | 1.87 | 410.602 | 0.010 | 0.40 | 0.1297 |
| CO-4129 | MH-4118 | MH-4119 | 472.84 | 470.85 | 470.79 | 150.0 | 29 | 1.67 | 439.801 | 0.010 | 0.40 | 0.1405 |
| CO-4130 | MH-4119 | MH-4120 | 472.45 | 470.79 | 470.72 | 150.0 | 30 | 1.44 | 463.255 | 0.010 | 0.40 | 0.1513 |
| CO-4131 | MH-4120 | MH-4114 | 472.24 | 470.72 | 470.67 | 150.0 | 26 | 1.44 | 489.628 | 0.010 | 0.40 | 0.1621 |
| CO-4107 | MH-4102 | MH-4101 | 475.69 | 474.54 | 474.39 | 150.0 | 11 | 1.05 | 78.542 | 0.010 | 0.34 | 0.0108 |
| CO-4103 | MH-4099 | MH-4098 | 476.80 | 475.58 | 475.38 | 150.0 | 14 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4100 | MH-4095 | MH-4096 | 477.47 | 476.15 | 475.99 | 150.0 | 11 | 1.09 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4101 | MH-4096 | MH-4097 | 477.14 | 475.77 | 475.55 | 150.0 | 16 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4102 | MH-4097 | MH-4098 | 476.70 | 475.55 | 475.38 | 150.0 | 12 | 1.00 | 73.163 | 0.010 | 0.49 | 0.0324 |
| CO-4104 | MH-4098 | MH-3302 | 476.53 | 475.34 | 475.28 | 150.0 | 5 | 1.02 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4105 | MH-3302 | MH-4100 | 476.43 | 475.23 | 474.94 | 150.0 | 20 | 1.02 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4106 | MH-4100 | MH-4101 | 476.09 | 474.74 | 474.50 | 150.0 | 17 | 1.10 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4111 | MH-4101 | MH-4104 | 475.65 | 474.39 | 474.31 | 150.0 | 6 | 1.05 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-4112 | MH-4104 | MH-4105 | 475.46 | 474.15 | 473.84 | 150.0 | 21 | 1.08 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-4113 | MH-4105 | MH-4106 | 474.99 | 473.54 | 473.25 | 150.0 | 21 | 1.15 | 70.000 | 0.010 | 0.73 | 0.1189 |
| CO-4114 | MH-4106 | MH-4107 | 474.40 | 473.24 | 473.03 | 150.0 | 15 | 1.00 | 70.000 | 0.010 | 0.75 | 0.1297 |
| CO-4115 | MH-4107 | MH-4108 | 474.18 | 472.74 | 472.43 | 150.0 | 22 | 1.14 | 70.000 | 0.010 | 0.77 | 0.1405 |
| CO-4116 | MH-4108 | MH-4109 | 473.58 | 472.14 | 471.83 | 150.0 | 22 | 1.15 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-4117 | MH-4109 | MH-4110 | 472.98 | 471.83 | 471.66 | 150.0 | 18 | 1.00 | 106.643 | 0.010 | 0.69 | 0.1621 |
| CO-4118 | MH-4110 | MH-4111 | 472.81 | 471.66 | 471.46 | 150.0 | 15 | 1.00 | 72.535 | 0.010 | 0.80 | 0.1729 |
| CO-4119 | MH-4111 | MH-4112 | 472.61 | 471.46 | 471.35 | 150.0 | 25 | 1.00 | 230.400 | 0.010 | 0.54 | 0.1838 |
| CO-4120 | MH-4112 | MH-3311 | 472.50 | 471.35 | 471.32 | 150.0 | 9 | 1.00 | 360.252 | 0.010 | 0.47 | 0.1946 |
| CO-3303 | MH-3306 | MH-3304 | 475.43 | 474.22 | 473.85 | 150.0 | 25 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4110 | MH-4103 | MH-3300 | 476.30 | 475.11 | 474.79 | 150.0 | 23 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3290 | MH-3295 | MH-3296 | 479.22 | 478.07 | 477.94 | 150.0 | 10 | 1.00 | 80.355 | 0.010 | 0.34 | 0.0108 |
| CO-3291 | MH-3296 | MH-3294 | 479.09 | 477.94 | 477.74 | 150.0 | 15 | 1.00 | 76.265 | 0.010 | 0.42 | 0.0216 |
| CO-3288 | MH-3292 | MH-3293 | 479.51 | 478.22 | 477.95 | 150.0 | 19 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3289 | MH-3293 | MH-3294 | 479.10 | 477.95 | 477.74 | 150.0 | 18 | 1.00 | 85.390 | 0.010 | 0.41 | 0.0216 |
| CO-3292 | MH-3294 | MH-3297 | 478.89 | 477.70 | 477.43 | 150.0 | 18 | 1.02 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3293 | MH-3297 | MH-3288 | 478.58 | 477.43 | 477.30 | 150.0 | 20 | 1.00 | 149.804 | 0.010 | 0.47 | 0.0649 |
| CO-3284 | MH-3287 | MH-3286 | 478.41 | 477.26 | 477.21 | 150.0 | 24 | 1.25 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3281 | MH-3284 | MH-3283 | 479.46 | 478.31 | 478.17 | 150.0 | 16 | 1.00 | 107.372 | 0.010 | 0.30 | 0.0108 |
| CO-3279 | MH-3281 | MH-3282 | 479.93 | 478.68 | 478.40 | 150.0 | 20 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3280 | MH-3282 | MH-3283 | 479.55 | 478.40 | 478.17 | 150.0 | 16 | 1.00 | 70.863 | 0.010 | 0.43 | 0.0216 |
| CO-3282 | MH-3283 | MH-3285 | 479.32 | 478.17 | 477.97 | 150.0 | 21 | 1.00 | 105.230 | 0.010 | 0.47 | 0.0432 |
| CO-3283 | MH-3285 | MH-3286 | 479.12 | 477.97 | 477.71 | 150.0 | 20 | 1.00 | 75.361 | 0.010 | 0.56 | 0.0540 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-3285 | MH-3286 | MH-3288 | 478.86 | 477.21 | 476.99 | 150.0 | 30 | 1.40 | 134.095 | 0.010 | 0.51 | 0.0757 |
| CO-3294 | MH-3288 | MH-3298 | 478.45 | 476.99 | 476.53 | 150.0 | 32 | 1.15 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-3295 | MH-3298 | MH-3280 | 477.68 | 476.40 | 475.88 | 150.0 | 37 | 1.06 | 70.000 | 0.010 | 0.80 | 0.1621 |
| CO-3277 | MH-3278 | MH-3279 | 477.92 | 476.71 | 476.44 | 150.0 | 19 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3278 | MH-3279 | MH-3280 | 477.59 | 476.24 | 475.88 | 150.0 | 25 | 1.10 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3296 | MH-3280 | MH-3299 | 477.03 | 475.51 | 475.18 | 150.0 | 23 | 1.19 | 70.000 | 0.010 | 0.84 | 0.1946 |
| CO-3297 | MH-3299 | MH-3300 | 476.33 | 475.12 | 474.79 | 150.0 | 23 | 1.03 | 70.000 | 0.010 | 0.86 | 0.2054 |
| CO-3300 | MH-3300 | MH-3303 | 475.94 | 474.73 | 474.38 | 150.0 | 25 | 1.03 | 70.000 | 0.010 | 0.88 | 0.2270 |
| CO-3301 | MH-3303 | MH-3304 | 475.53 | 474.13 | 473.85 | 150.0 | 20 | 1.12 | 70.000 | 0.010 | 0.90 | 0.2378 |
| CO-3304 | MH-3304 | MH-3307 | 475.00 | 473.54 | 473.15 | 150.0 | 27 | 1.16 | 70.000 | 0.010 | 0.92 | 0.2594 |
| CO-3305 | MH-3307 | MH-3308 | 474.30 | 472.96 | 472.66 | 150.0 | 21 | 1.10 | 70.000 | 0.010 | 0.93 | 0.2702 |
| CO-3306 | MH-3308 | MH-3309 | 473.81 | 472.55 | 472.13 | 150.0 | 29 | 1.05 | 70.000 | 0.010 | 0.94 | 0.2810 |
| CO-3307 | MH-3309 | MH-3310 | 473.28 | 472.03 | 471.61 | 150.0 | 29 | 1.05 | 70.000 | 0.010 | 0.95 | 0.2919 |
| CO-3308 | MH-3310 | MH-3311 | 472.76 | 471.61 | 471.32 | 150.0 | 38 | 1.00 | 132.678 | 0.010 | 0.76 | 0.3027 |
| CO-4121 | MH-3311 | MH-4113 | 472.47 | 471.32 | 471.28 | 150.0 | 21 | 1.03 | 500.000 | 0.010 | 0.54 | 0.5080 |
| CO-4122 | MH-4113 | MH-4114 | 472.49 | 471.28 | 471.18 | 150.0 | 12 | 1.03 | 113.506 | 0.010 | 0.94 | 0.5188 |
| CO-4125 | MH-4114 | MH-4115 | 472.33 | 470.65 | 470.63 | 170.0 | 9 | 1.37 | 500.000 | 0.010 | 0.60 | 0.8323 |
| CO-4123 | MH-3254 | MH-4115 | 472.26 | 471.11 | 470.65 | 150.0 | 36 | 1.12 | 78.941 | 0.011 | 0.31 | 0.0108 |
| CO-4124 | MH-4115 | MH-3255 | 472.05 | 470.60 | 470.55 | 200.0 | 10 | 1.21 | 200.000 | 0.011 | 0.80 | 0.8539 |
| CO-3842 | MH-3255 | MH-3848 | 471.93 | 470.55 | 470.46 | 200.0 | 19 | 1.23 | 200.000 | 0.011 | 0.80 | 0.8647 |
| CO-3843 | MH-3848 | MH-3849 | 471.93 | 470.46 | 470.39 | 200.0 | 13 | 1.34 | 200.000 | 0.011 | 0.81 | 0.8756 |
| CO-3844 | MH-3849 | MH-3850 | 471.99 | 470.39 | 470.27 | 200.0 | 25 | 1.45 | 200.000 | 0.011 | 0.81 | 0.8864 |
| CO-4145 | MH-4132 | MH-4133 | 472.58 | 471.43 | 471.38 | 150.0 | 29 | 1.04 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4147 | MH-4133 | MH-4134 | 472.60 | 471.38 | 471.09 | 150.0 | 27 | 1.12 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4148 | MH-4134 | MH-3850 | 472.41 | 471.09 | 470.83 | 150.0 | 25 | 1.09 | 96.581 | 0.010 | 0.44 | 0.0324 |
| CO-3845 | MH-3850 | MH-3851 | 471.98 | 470.27 | 470.11 | 200.0 | 32 | 1.53 | 200.000 | 0.011 | 0.82 | 0.9296 |
| CO-3846 | MH-3851 | MH-3799 | 471.85 | 470.11 | 470.01 | 200.0 | 20 | 1.56 | 200.000 | 0.011 | 0.82 | 0.9404 |
| CO-4258 | MH-4235 | MH-4236 | 474.45 | 472.76 | 472.28 | 150.0 | 34 | 1.27 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4259 | MH-4236 | MH-4237 | 473.43 | 472.28 | 472.03 | 150.0 | 23 | 1.08 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4263 | MH-4240 | MH-4237 | 473.65 | 472.48 | 472.19 | 150.0 | 20 | 1.01 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4260 | MH-4237 | MH-4238 | 473.34 | 472.03 | 471.86 | 150.0 | 28 | 1.17 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4261 | MH-4238 | MH-4239 | 473.20 | 471.86 | 471.72 | 150.0 | 28 | 1.20 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4262 | MH-4239 | MH-4131 | 473.08 | 471.72 | 471.45 | 150.0 | 29 | 1.11 | 109.066 | 0.010 | 0.52 | 0.0649 |
| CO-4140 | MH-4128 | MH-4129 | 472.07 | 470.92 | 470.85 | 150.0 | 33 | 1.17 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4141 | MH-4129 | MH-4130 | 472.34 | 470.85 | 470.60 | 150.0 | 23 | 1.54 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4144 | MH-4130 | MH-4131 | 472.48 | 470.60 | 470.36 | 150.0 | 30 | 1.91 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3830 | MH-3836 | MH-3837 | 474.67 | 473.46 | 473.13 | 150.0 | 23 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3831 | MH-3837 | MH-3838 | 474.28 | 472.96 | 472.58 | 150.0 | 27 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4257 | MH-4234 | MH-3838 | 474.14 | 472.85 | 472.58 | 150.0 | 19 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3832 | MH-3838 | MH-3839 | 473.73 | 472.58 | 472.41 | 150.0 | 29 | 1.04 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-3833 | MH-3839 | MH-3840 | 473.64 | 472.17 | 471.73 | 150.0 | 30 | 1.16 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3834 | MH-3840 | MH-3792 | 472.88 | 471.73 | 471.57 | 150.0 | 26 | 1.00 | 154.534 | 0.010 | 0.46 | 0.0649 |
| CO-4137 | MH-4125 | MH-4126 | 472.21 | 471.06 | 471.00 | 150.0 | 30 | 1.07 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4138 | MH-4126 | MH-4127 | 472.28 | 471.00 | 470.73 | 150.0 | 25 | 1.38 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4139 | MH-4127 | MH-3792 | 472.50 | 470.73 | 470.47 | 150.0 | 33 | 1.86 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4142 | MH-3792 | MH-4131 | 472.72 | 470.47 | 470.36 | 150.0 | 16 | 2.09 | 153.119 | 0.010 | 0.54 | 0.1081 |
| CO-4143 | MH-4131 | MH-3793 | 472.60 | 470.36 | 470.31 | 150.0 | 26 | 2.11 | 500.000 | 0.010 | 0.43 | 0.2162 |
| CO-3787 | MH-3793 | MH-3788 | 472.59 | 470.31 | 470.26 | 150.0 | 25 | 2.29 | 500.000 | 0.010 | 0.44 | 0.2270 |
| CO-4462 | MH-4400 | MH-4401 | 475.30 | 473.74 | 473.38 | 150.0 | 26 | 1.20 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4463 | MH-4401 | MH-4390 | 474.53 | 473.11 | 472.72 | 150.0 | 28 | 1.13 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4464 | MH-4402 | MH-4403 | 474.29 | 473.07 | 472.75 | 150.0 | 22 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4465 | MH-4403 | MH-4389 | 473.90 | 472.43 | 472.07 | 150.0 | 25 | 1.16 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4466 | MH-4404 | MH-4388 | 474.36 | 472.93 | 472.33 | 150.0 | 41 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4448 | MH-4387 | MH-4388 | 474.67 | 472.73 | 472.33 | 150.0 | 28 | 1.39 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4449 | MH-4388 | MH-4389 | 473.48 | 472.33 | 472.07 | 150.0 | 28 | 1.00 | 109.046 | 0.010 | 0.42 | 0.0324 |
| CO-4450 | MH-4389 | MH-4390 | 473.22 | 472.07 | 471.94 | 150.0 | 30 | 1.39 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4453 | MH-4390 | MH-4391 | 473.87 | 471.94 | 471.84 | 150.0 | 35 | 1.79 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4472 | MH-4410 | MH-4411 | 477.54 | 476.39 | 476.10 | 150.0 | 36 | 1.00 | 124.553 | 0.010 | 0.29 | 0.0108 |
| CO-4473 | MH-4411 | MH-4412 | 477.25 | 476.10 | 475.78 | 150.0 | 30 | 1.18 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4474 | MH-4412 | MH-4413 | 477.29 | 475.78 | 475.55 | 150.0 | 30 | 1.65 | 128.342 | 0.010 | 0.40 | 0.0324 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4477 | MH-4413 | MH-4414 | 477.63 | 475.55 | 475.36 | 150.0 | 31 | 2.15 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4728 | MH-4646 | MH-3772 | 479.47 | 478.32 | 478.29 | 150.0 | 12 | 1.04 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3766 | MH-3772 | MH-3773 | 479.51 | 478.29 | 478.06 | 150.0 | 22 | 1.07 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3774 | MH-3773 | MH-3781 | 479.28 | 477.93 | 477.41 | 150.0 | 36 | 1.10 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4475 | MH-3781 | MH-4414 | 478.56 | 477.20 | 476.72 | 150.0 | 34 | 1.11 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4476 | MH-4414 | MH-3782 | 477.87 | 475.36 | 475.31 | 150.0 | 16 | 2.15 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-3776 | MH-3782 | MH-3783 | 477.40 | 475.31 | 475.28 | 150.0 | 10 | 1.86 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-3777 | MH-3783 | MH-3784 | 477.21 | 475.28 | 475.21 | 150.0 | 26 | 1.43 | 382.338 | 0.010 | 0.40 | 0.1189 |
| CO-3778 | MH-3784 | MH-3785 | 476.45 | 474.84 | 474.34 | 150.0 | 34 | 1.23 | 70.000 | 0.010 | 0.75 | 0.1297 |
| CO-3779 | MH-3785 | MH-3786 | 475.49 | 473.40 | 472.92 | 150.0 | 34 | 1.47 | 70.000 | 0.010 | 0.77 | 0.1405 |
| CO-4451 | MH-3786 | MH-4391 | 474.07 | 472.76 | 472.65 | 150.0 | 8 | 1.08 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-4452 | MH-4391 | MH-3787 | 473.80 | 471.84 | 471.81 | 150.0 | 13 | 1.70 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-3781 | MH-3787 | MH-3605 | 473.54 | 471.81 | 471.76 | 150.0 | 27 | 1.30 | 500.000 | 0.010 | 0.46 | 0.2702 |
| CO-4456 | MH-4394 | MH-4244 | 473.79 | 472.18 | 471.82 | 150.0 | 25 | 1.23 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4271 | MH-4245 | MH-4246 | 473.27 | 472.12 | 471.76 | 150.0 | 36 | 1.17 | 99.506 | 0.010 | 0.31 | 0.0108 |
| CO-4454 | MH-4392 | MH-4393 | 473.44 | 472.27 | 472.06 | 150.0 | 15 | 1.01 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4455 | MH-4393 | MH-4248 | 473.21 | 472.06 | 471.85 | 150.0 | 20 | 1.13 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4274 | MH-4247 | MH-4248 | 473.41 | 472.26 | 472.11 | 150.0 | 26 | 1.00 | 167.811 | 0.010 | 0.26 | 0.0108 |
| CO-4469 | MH-4407 | MH-4408 | 477.31 | 475.90 | 475.53 | 150.0 | 26 | 1.13 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4470 | MH-4408 | MH-4409 | 476.68 | 474.93 | 474.42 | 150.0 | 36 | 1.30 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4471 | MH-4409 | MH-4399 | 475.57 | 473.75 | 473.35 | 150.0 | 28 | 1.34 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4467 | MH-4405 | MH-4406 | 475.66 | 474.17 | 473.78 | 150.0 | 27 | 1.17 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4468 | MH-4406 | MH-4398 | 474.93 | 473.33 | 473.15 | 150.0 | 12 | 1.22 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4457 | MH-4395 | MH-4396 | 476.05 | 474.90 | 474.75 | 150.0 | 20 | 1.00 | 133.856 | 0.010 | 0.28 | 0.0108 |
| CO-4458 | MH-4396 | MH-4397 | 475.90 | 474.49 | 474.26 | 150.0 | 16 | 1.13 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4459 | MH-4397 | MH-4398 | 475.41 | 473.56 | 473.15 | 150.0 | 28 | 1.35 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4460 | MH-4398 | MH-4399 | 474.30 | 473.15 | 473.03 | 150.0 | 28 | 1.16 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4461 | MH-4399 | MH-4385 | 474.50 | 473.03 | 472.94 | 150.0 | 33 | 1.85 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4447 | MH-4386 | MH-4382 | 476.54 | 474.95 | 474.58 | 150.0 | 26 | 1.22 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4437 | MH-4377 | MH-4378 | 475.92 | 474.77 | 474.68 | 150.0 | 45 | 1.14 | 500.000 | 0.010 | 0.18 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4438 | MH-4378 | MH-4379 | 476.11 | 474.68 | 474.32 | 150.0 | 34 | 1.18 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4439 | MH-4379 | MH-4380 | 475.55 | 474.06 | 473.77 | 150.0 | 20 | 1.17 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4440 | MH-4380 | MH-4381 | 474.92 | 473.77 | 473.64 | 150.0 | 23 | 1.36 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4441 | MH-4381 | MH-4382 | 475.50 | 473.64 | 473.55 | 150.0 | 17 | 1.87 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4442 | MH-4382 | MH-4383 | 475.73 | 473.55 | 473.44 | 150.0 | 30 | 1.94 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-4443 | MH-4383 | MH-4384 | 475.43 | 473.44 | 473.35 | 150.0 | 25 | 1.89 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-4446 | MH-4384 | MH-4385 | 475.44 | 473.35 | 473.28 | 150.0 | 25 | 1.99 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4394 | MH-4343 | MH-4344 | 479.67 | 478.52 | 478.47 | 150.0 | 26 | 1.03 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4398 | MH-4344 | MH-4346 | 479.68 | 478.47 | 478.03 | 150.0 | 31 | 1.03 | 70.545 | 0.010 | 0.43 | 0.0216 |
| CO-4405 | MH-4352 | MH-4353 | 480.81 | 479.66 | 479.61 | 150.0 | 26 | 1.23 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4408 | MH-4353 | MH-4354 | 481.21 | 479.61 | 479.29 | 150.0 | 30 | 1.23 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4406 | MH-3746 | MH-4354 | 480.39 | 479.24 | 479.22 | 150.0 | 7 | 1.04 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4407 | MH-4354 | MH-3747 | 480.45 | 478.88 | 478.55 | 150.0 | 23 | 1.21 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4396 | MH-3747 | MH-4346 | 479.70 | 478.36 | 478.03 | 150.0 | 23 | 1.10 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4397 | MH-4346 | MH-3748 | 479.18 | 478.03 | 478.01 | 150.0 | 7 | 1.01 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-3742 | MH-3748 | MH-3749 | 479.17 | 477.92 | 477.54 | 150.0 | 26 | 1.05 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-4388 | MH-4338 | MH-4339 | 478.88 | 477.73 | 477.65 | 150.0 | 32 | 1.00 | 428.101 | 0.010 | 0.19 | 0.0108 |
| CO-4389 | MH-4339 | MH-3749 | 478.80 | 477.65 | 477.41 | 150.0 | 23 | 1.07 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3743 | MH-3749 | MH-3750 | 478.69 | 477.10 | 476.62 | 150.0 | 34 | 1.22 | 70.000 | 0.010 | 0.75 | 0.1297 |
| CO-4381 | MH-3750 | MH-4334 | 477.77 | 476.28 | 476.06 | 150.0 | 16 | 1.17 | 70.000 | 0.010 | 0.77 | 0.1405 |
| CO-4382 | MH-4334 | MH-3701 | 477.21 | 475.51 | 475.11 | 150.0 | 27 | 1.28 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-4330 | MH-4294 | MH-4291 | 476.81 | 475.66 | 475.62 | 150.0 | 23 | 1.03 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4329 | MH-4293 | MH-4290 | 477.34 | 476.19 | 476.07 | 150.0 | 20 | 1.00 | 176.269 | 0.010 | 0.26 | 0.0108 |
| CO-3653 | MH-3658 | MH-3646 | 478.77 | 477.62 | 477.98 | 150.0 | 27 | 1.00 | 74.095 | 0.010 | 0.35 | 0.0108 |
| CO-4319 | MH-3658 | MH-4285 | 478.77 | 477.62 | 477.29 | 150.0 | 30 | 1.00 | 92.282 | 0.010 | 0.40 | 0.0216 |
| CO-4320 | MH-4285 | MH-4286 | 478.44 | 477.29 | 477.07 | 150.0 | 29 | 1.01 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4322 | MH-4286 | MH-4288 | 478.23 | 477.07 | 477.01 | 150.0 | 9 | 1.04 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4321 | MH-4287 | MH-4288 | 478.31 | 477.16 | 477.08 | 150.0 | 14 | 1.00 | 166.703 | 0.010 | 0.26 | 0.0108 |
| CO-4323 | MH-4288 | MH-4289 | 478.23 | 476.70 | 476.29 | 150.0 | 28 | 1.19 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4324 | MH-4289 | MH-4290 | 477.44 | 476.29 | 476.07 | 150.0 | 16 | 1.00 | 72.113 | 0.010 | 0.63 | 0.0757 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4325 | MH-4290 | MH-4291 | 477.22 | 476.07 | 475.67 | 150.0 | 29 | 1.00 | 71.460 | 0.010 | 0.68 | 0.0973 |
| CO-4328 | MH-4291 | MH-4292 | 476.82 | 475.62 | 475.36 | 150.0 | 28 | 1.04 | 109.043 | 0.010 | 0.62 | 0.1189 |
| CO-4331 | MH-4295 | MH-3664 | 479.38 | 478.16 | 477.78 | 150.0 | 27 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3658 | MH-3664 | MH-3659 | 478.93 | 477.57 | 477.62 | 150.0 | 25 | 1.11 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3659 | MH-3664 | MH-3666 | 478.93 | 477.57 | 477.37 | 150.0 | 25 | 1.31 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3660 | MH-3666 | MH-3667 | 478.93 | 477.37 | 477.17 | 150.0 | 34 | 1.41 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4335 | MH-4300 | MH-3667 | 478.83 | 477.68 | 477.57 | 150.0 | 14 | 1.00 | 132.861 | 0.010 | 0.28 | 0.0108 |
| CO-3661 | MH-3667 | MH-3663 | 478.72 | 477.17 | 477.08 | 150.0 | 12 | 1.36 | 129.754 | 0.010 | 0.49 | 0.0649 |
| CO-3657 | MH-3661 | MH-3663 | 478.26 | 477.11 | 477.08 | 150.0 | 15 | 1.15 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3662 | MH-3663 | MH-3668 | 478.54 | 477.08 | 476.94 | 150.0 | 29 | 1.15 | 212.929 | 0.010 | 0.45 | 0.0865 |
| CO-3663 | MH-3668 | MH-3669 | 478.09 | 476.94 | 476.55 | 150.0 | 31 | 1.00 | 78.807 | 0.010 | 0.66 | 0.0973 |
| CO-3664 | MH-3669 | MH-3670 | 477.70 | 476.55 | 476.16 | 150.0 | 34 | 1.00 | 88.104 | 0.010 | 0.65 | 0.1081 |
| CO-4344 | MH-4306 | MH-4307 | 480.17 | 479.02 | 478.98 | 150.0 | 22 | 1.07 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4345 | MH-4307 | MH-3695 | 480.26 | 478.98 | 478.64 | 150.0 | 31 | 1.17 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4738 | MH-4651 | MH-3695 | 480.26 | 479.04 | 478.85 | 150.0 | 14 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4352 | MH-3695 | MH-4309 | 480.00 | 478.64 | 478.51 | 150.0 | 11 | 1.10 | 83.732 | 0.010 | 0.51 | 0.0432 |
| CO-4347 | MH-4309 | MH-4310 | 479.66 | 478.31 | 477.69 | 150.0 | 43 | 1.10 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4350 | MH-4310 | MH-4311 | 478.84 | 477.69 | 477.52 | 150.0 | 40 | 1.07 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4376 | MH-4330 | MH-4331 | 480.07 | 478.81 | 478.45 | 150.0 | 25 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4377 | MH-4331 | MH-3689 | 479.60 | 478.45 | 478.22 | 150.0 | 21 | 1.45 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3681 | MH-3689 | MH-3690 | 480.28 | 478.22 | 478.06 | 150.0 | 16 | 1.58 | 98.142 | 0.010 | 0.44 | 0.0324 |
| CO-4631 | MH-4563 | MH-4564 | 480.71 | 479.56 | 479.44 | 150.0 | 23 | 1.00 | 189.482 | 0.010 | 0.25 | 0.0108 |
| CO-4632 | MH-4564 | MH-4565 | 480.59 | 479.44 | 479.20 | 150.0 | 22 | 1.18 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4633 | MH-4565 | MH-4312 | 480.70 | 479.20 | 479.11 | 150.0 | 12 | 1.22 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4353 | MH-4312 | MH-4313 | 480.34 | 478.86 | 478.35 | 150.0 | 36 | 1.16 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4355 | MH-4313 | MH-4314 | 479.50 | 478.35 | 478.20 | 150.0 | 22 | 1.00 | 141.514 | 0.010 | 0.45 | 0.0540 |
| CO-4356 | MH-4314 | MH-3690 | 479.35 | 478.20 | 478.06 | 150.0 | 21 | 1.13 | 153.622 | 0.010 | 0.46 | 0.0649 |
| CO-4348 | MH-3690 | MH-4311 | 479.46 | 478.06 | 477.67 | 150.0 | 28 | 1.13 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-4375 | MH-4311 | MH-4329 | 478.82 | 477.52 | 477.50 | 150.0 | 10 | 1.22 | 500.000 | 0.010 | 0.41 | 0.1838 |
| CO-4372 | MH-4327 | MH-4328 | 479.96 | 478.81 | 478.43 | 150.0 | 37 | 1.00 | 97.457 | 0.010 | 0.31 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4373 | MH-4328 | MH-4329 | 479.58 | 478.21 | 477.80 | 150.0 | 29 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4374 | MH-4329 | MH-4325 | 478.95 | 477.50 | 477.31 | 150.0 | 15 | 1.15 | 76.741 | 0.010 | 0.84 | 0.2162 |
| CO-4368 | MH-4324 | MH-4325 | 479.06 | 477.80 | 477.31 | 150.0 | 34 | 1.06 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4369 | MH-4325 | MH-4326 | 478.46 | 477.29 | 477.09 | 150.0 | 14 | 1.01 | 70.000 | 0.010 | 0.90 | 0.2378 |
| CO-4371 | MH-4326 | MH-4322 | 478.24 | 476.89 | 476.79 | 150.0 | 7 | 1.10 | 70.000 | 0.010 | 0.91 | 0.2486 |
| CO-4364 | MH-4321 | MH-4322 | 478.58 | 477.31 | 476.79 | 150.0 | 37 | 1.06 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4367 | MH-4322 | MH-4323 | 477.94 | 476.73 | 476.43 | 150.0 | 21 | 1.03 | 70.000 | 0.010 | 0.93 | 0.2702 |
| CO-4362 | MH-4319 | MH-4320 | 478.09 | 476.87 | 476.50 | 150.0 | 26 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4365 | MH-4320 | MH-4323 | 477.65 | 476.50 | 476.41 | 150.0 | 9 | 1.01 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4366 | MH-4323 | MH-3670 | 477.58 | 476.35 | 476.16 | 150.0 | 13 | 1.04 | 70.000 | 0.010 | 0.96 | 0.3027 |
| CO-4346 | MH-4308 | MH-4298 | 479.58 | 478.20 | 477.99 | 150.0 | 15 | 1.11 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4636 | MH-4568 | MH-4569 | 481.82 | 480.67 | 480.26 | 150.0 | 31 | 1.00 | 75.534 | 0.010 | 0.34 | 0.0108 |
| CO-4638 | MH-4569 | MH-4570 | 481.41 | 480.26 | 479.93 | 150.0 | 23 | 1.00 | 70.989 | 0.010 | 0.43 | 0.0216 |
| CO-4639 | MH-4570 | MH-4562 | 481.08 | 479.93 | 479.64 | 150.0 | 20 | 1.00 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4630 | MH-4562 | MH-4305 | 480.79 | 479.36 | 478.99 | 150.0 | 26 | 1.14 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4342 | MH-4305 | MH-4296 | 480.14 | 478.68 | 478.29 | 150.0 | 27 | 1.15 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4332 | MH-4296 | MH-4297 | 479.44 | 478.29 | 478.14 | 150.0 | 35 | 1.07 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4333 | MH-4297 | MH-4298 | 479.43 | 478.14 | 477.87 | 150.0 | 22 | 1.12 | 80.478 | 0.010 | 0.61 | 0.0757 |
| CO-4334 | MH-4298 | MH-4299 | 479.14 | 477.87 | 477.71 | 150.0 | 12 | 1.06 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-4336 | MH-4299 | MH-4301 | 478.86 | 477.71 | 477.32 | 150.0 | 30 | 1.00 | 77.924 | 0.010 | 0.68 | 0.1081 |
| CO-4337 | MH-4301 | MH-4302 | 478.47 | 477.32 | 477.02 | 150.0 | 30 | 1.00 | 100.645 | 0.010 | 0.64 | 0.1189 |
| CO-4340 | MH-4302 | MH-4303 | 478.17 | 477.02 | 476.75 | 150.0 | 30 | 1.00 | 107.702 | 0.010 | 0.64 | 0.1297 |
| CO-4338 | MH-3682 | MH-4303 | 478.55 | 477.05 | 476.75 | 150.0 | 21 | 1.17 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4339 | MH-4303 | MH-3670 | 477.90 | 476.57 | 476.16 | 150.0 | 29 | 1.09 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-3692 | MH-3670 | MH-3699 | 477.31 | 476.01 | 475.83 | 150.0 | 12 | 1.07 | 70.000 | 0.010 | 1.15 | 0.5729 |
| CO-3693 | MH-3699 | MH-3700 | 476.98 | 475.68 | 475.48 | 150.0 | 14 | 1.08 | 70.000 | 0.010 | 1.16 | 0.5837 |
| CO-4360 | MH-4317 | MH-4318 | 477.19 | 475.98 | 475.62 | 150.0 | 25 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4361 | MH-4318 | MH-3700 | 476.77 | 475.62 | 475.37 | 150.0 | 23 | 1.05 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4326 | MH-3700 | MH-4292 | 476.63 | 475.37 | 475.36 | 150.0 | 6 | 1.07 | 500.000 | 0.010 | 0.56 | 0.6161 |
| CO-4358 | MH-4292 | MH-4284 | 476.54 | 475.36 | 475.17 | 150.0 | 28 | 1.01 | 144.845 | 0.010 | 0.94 | 0.7458 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4314 | MH-4280 | MH-4281 | 478.33 | 476.76 | 476.30 | 150.0 | 32 | 1.21 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4315 | MH-4281 | MH-4282 | 477.45 | 476.29 | 475.89 | 150.0 | 28 | 1.01 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4316 | MH-4282 | MH-4283 | 477.04 | 475.72 | 475.32 | 150.0 | 27 | 1.09 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4317 | MH-4283 | MH-4284 | 476.47 | 475.32 | 475.17 | 150.0 | 15 | 1.00 | 94.314 | 0.010 | 0.49 | 0.0432 |
| CO-4318 | MH-4284 | MH-3644 | 476.32 | 475.17 | 475.06 | 150.0 | 12 | 1.00 | 120.624 | 0.010 | 1.03 | 0.7999 |
| CO-3640 | MH-3645 | MH-3636 | 479.19 | 478.04 | 478.19 | 150.0 | 22 | 1.00 | 140.726 | 0.010 | 0.28 | 0.0108 |
| CO-4312 | MH-3645 | MH-4279 | 479.19 | 478.04 | 477.65 | 150.0 | 30 | 1.00 | 77.393 | 0.010 | 0.42 | 0.0216 |
| CO-4313 | MH-4279 | MH-3649 | 478.80 | 477.65 | 477.22 | 150.0 | 30 | 1.00 | 71.137 | 0.010 | 0.49 | 0.0324 |
| CO-3643 | MH-3649 | MH-3650 | 478.37 | 477.22 | 477.05 | 150.0 | 19 | 1.10 | 107.080 | 0.010 | 0.46 | 0.0432 |
| CO-3644 | MH-3650 | MH-3651 | 478.40 | 477.05 | 476.76 | 150.0 | 21 | 1.10 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3645 | MH-3651 | MH-3652 | 477.91 | 476.74 | 476.19 | 150.0 | 39 | 1.01 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-3646 | MH-3652 | MH-3653 | 477.34 | 476.01 | 475.56 | 150.0 | 31 | 1.09 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4310 | MH-3653 | MH-4278 | 476.71 | 475.51 | 475.12 | 150.0 | 27 | 1.03 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-3630 | MH-3635 | MH-3627 | 479.43 | 478.28 | 478.43 | 150.0 | 25 | 1.00 | 160.335 | 0.010 | 0.26 | 0.0108 |
| CO-4306 | MH-3635 | MH-4277 | 479.43 | 478.28 | 477.91 | 150.0 | 27 | 1.00 | 74.429 | 0.010 | 0.43 | 0.0216 |
| CO-4307 | MH-4277 | MH-3639 | 479.06 | 477.91 | 477.54 | 150.0 | 40 | 1.00 | 106.026 | 0.010 | 0.43 | 0.0324 |
| CO-3634 | MH-3639 | MH-3640 | 478.69 | 477.54 | 477.25 | 150.0 | 23 | 1.00 | 78.167 | 0.010 | 0.52 | 0.0432 |
| CO-3635 | MH-3640 | MH-3641 | 478.40 | 477.02 | 476.59 | 150.0 | 30 | 1.11 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3636 | MH-3641 | MH-3642 | 477.74 | 476.26 | 475.81 | 150.0 | 31 | 1.17 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-3637 | MH-3642 | MH-3643 | 476.96 | 475.81 | 475.55 | 150.0 | 18 | 1.00 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-3638 | MH-3643 | MH-3634 | 476.70 | 475.31 | 475.08 | 150.0 | 16 | 1.12 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-3621 | MH-3626 | MH-3615 | 479.61 | 478.46 | 478.39 | 150.0 | 30 | 1.05 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3610 | MH-3614 | MH-3615 | 479.81 | 478.66 | 478.39 | 150.0 | 21 | 1.05 | 79.887 | 0.010 | 0.34 | 0.0108 |
| CO-3611 | MH-3615 | MH-3616 | 479.65 | 478.39 | 478.23 | 150.0 | 19 | 1.15 | 118.975 | 0.010 | 0.41 | 0.0324 |
| CO-3612 | MH-3616 | MH-3617 | 479.58 | 478.23 | 477.71 | 150.0 | 37 | 1.10 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3614 | MH-3617 | MH-3619 | 478.86 | 477.46 | 477.05 | 150.0 | 29 | 1.12 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3615 | MH-3619 | MH-3620 | 478.20 | 476.89 | 476.58 | 150.0 | 22 | 1.08 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-3616 | MH-3620 | MH-3621 | 477.73 | 476.31 | 475.91 | 150.0 | 28 | 1.13 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4296 | MH-4270 | MH-3621 | 476.84 | 475.69 | 475.64 | 150.0 | 23 | 1.13 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3617 | MH-3621 | MH-3622 | 477.06 | 475.64 | 475.42 | 150.0 | 34 | 1.13 | 153.934 | 0.010 | 0.52 | 0.0973 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3618 | MH-3622 | MH-3623 | 476.57 | 475.42 | 475.18 | 150.0 | 33 | 1.00 | 140.038 | 0.010 | 0.56 | 0.1081 |
| CO-3619 | MH-3623 | MH-3624 | 476.33 | 475.18 | 475.05 | 150.0 | 17 | 1.00 | 130.125 | 0.010 | 0.59 | 0.1189 |
| CO-4357 | MH-4315 | MH-4275 | 478.78 | 477.63 | 477.61 | 150.0 | 11 | 1.11 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4299 | MH-4273 | MH-4274 | 479.61 | 478.46 | 478.30 | 150.0 | 30 | 1.05 | 192.926 | 0.010 | 0.25 | 0.0108 |
| CO-4300 | MH-4274 | MH-3630 | 479.54 | 478.30 | 477.96 | 150.0 | 24 | 1.05 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4731 | MH-3630 | MH-4648 | 479.11 | 477.73 | 477.77 | 150.0 | 23 | 1.11 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4301 | MH-3630 | MH-4275 | 479.11 | 477.73 | 477.69 | 150.0 | 6 | 1.19 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4302 | MH-4275 | MH-4272 | 478.99 | 477.61 | 477.25 | 150.0 | 27 | 1.11 | 75.059 | 0.010 | 0.60 | 0.0649 |
| CO-4733 | MH-4272 | MH-4649 | 478.40 | 476.97 | 477.10 | 150.0 | 30 | 1.14 | 225.205 | 0.010 | 0.23 | 0.0108 |
| CO-4303 | MH-4272 | MH-4271 | 478.40 | 476.97 | 476.63 | 150.0 | 23 | 1.14 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-4735 | MH-4271 | MH-4650 | 477.78 | 476.25 | 476.44 | 150.0 | 31 | 1.19 | 167.789 | 0.010 | 0.26 | 0.0108 |
| CO-4304 | MH-4271 | MH-4276 | 477.78 | 476.25 | 475.73 | 150.0 | 37 | 1.19 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-4305 | MH-4276 | MH-3624 | 476.88 | 475.49 | 475.05 | 150.0 | 30 | 1.12 | 70.000 | 0.010 | 0.73 | 0.1189 |
| CO-3620 | MH-3624 | MH-3625 | 476.20 | 475.05 | 475.03 | 150.0 | 10 | 1.05 | 500.000 | 0.010 | 0.45 | 0.2486 |
| CO-3629 | MH-3625 | MH-3634 | 476.28 | 475.03 | 475.01 | 150.0 | 12 | 1.09 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-4308 | MH-3634 | MH-4278 | 476.23 | 475.01 | 474.97 | 150.0 | 19 | 1.11 | 500.000 | 0.010 | 0.49 | 0.3567 |
| CO-4309 | MH-4278 | MH-3644 | 476.27 | 474.97 | 474.93 | 150.0 | 18 | 1.14 | 500.000 | 0.010 | 0.52 | 0.4540 |
| CO-3652 | MH-3644 | MH-3657 | 476.21 | 474.93 | 474.87 | 150.0 | 11 | 1.14 | 170.000 | 0.010 | 0.98 | 1.2647 |
| CO-3695 | MH-3657 | MH-3701 | 476.16 | 474.87 | 474.64 | 150.0 | 40 | 1.31 | 170.000 | 0.010 | 0.98 | 1.2755 |
| CO-3745 | MH-3701 | MH-3751 | 476.26 | 474.62 | 474.42 | 170.0 | 34 | 1.63 | 170.000 | 0.010 | 1.03 | 1.4376 |
| CO-3746 | MH-3751 | MH-3752 | 476.37 | 474.42 | 474.26 | 170.0 | 27 | 1.99 | 170.000 | 0.010 | 1.04 | 1.4484 |
| CO-4384 | MH-4335 | MH-4336 | 478.17 | 477.02 | 476.98 | 150.0 | 25 | 1.04 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4387 | MH-4336 | MH-4337 | 478.21 | 476.98 | 476.62 | 150.0 | 33 | 1.31 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4390 | MH-4340 | MH-4341 | 479.33 | 478.18 | 478.12 | 150.0 | 27 | 1.28 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4393 | MH-4341 | MH-4342 | 479.83 | 478.12 | 477.81 | 150.0 | 29 | 1.41 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4399 | MH-4347 | MH-4348 | 479.60 | 478.45 | 478.39 | 150.0 | 32 | 1.24 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4402 | MH-4348 | MH-4349 | 480.01 | 478.39 | 478.07 | 150.0 | 24 | 1.61 | 75.674 | 0.010 | 0.42 | 0.0216 |
| CO-4431 | MH-4372 | MH-4373 | 479.60 | 478.45 | 478.40 | 150.0 | 29 | 1.32 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4432 | MH-4373 | MH-3802 | 480.19 | 478.40 | 478.11 | 150.0 | 27 | 1.85 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4403 | MH-4350 | MH-4351 | 480.07 | 478.92 | 478.86 | 150.0 | 32 | 2.07 | 500.000 | 0.010 | 0.18 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4404 | MH-4351 | MH-3802 | 482.15 | 478.86 | 478.62 | 150.0 | 22 | 2.35 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4433 | MH-4374 | MH-4375 | 480.00 | 478.85 | 478.79 | 150.0 | 30 | 1.17 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4436 | MH-4375 | MH-4376 | 480.29 | 478.79 | 478.51 | 150.0 | 26 | 1.61 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4434 | MH-3801 | MH-4376 | 480.55 | 479.40 | 479.37 | 150.0 | 15 | 1.00 | 455.643 | 0.010 | 0.19 | 0.0108 |
| CO-4435 | MH-4376 | MH-3802 | 480.52 | 478.51 | 478.41 | 150.0 | 16 | 1.81 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4400 | MH-3802 | MH-4349 | 480.33 | 478.11 | 478.07 | 150.0 | 15 | 1.91 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4401 | MH-4349 | MH-3803 | 479.97 | 478.07 | 478.03 | 150.0 | 16 | 1.62 | 410.602 | 0.010 | 0.40 | 0.1297 |
| CO-4391 | MH-3803 | MH-4342 | 479.66 | 478.03 | 477.99 | 150.0 | 15 | 1.28 | 439.801 | 0.010 | 0.40 | 0.1405 |
| CO-4392 | MH-4342 | MH-3804 | 479.23 | 477.81 | 477.69 | 150.0 | 19 | 1.14 | 153.743 | 0.010 | 0.62 | 0.1729 |
| CO-4385 | MH-3804 | MH-4337 | 478.84 | 477.47 | 477.16 | 150.0 | 22 | 1.11 | 70.000 | 0.010 | 0.83 | 0.1838 |
| CO-4386 | MH-4337 | MH-3805 | 478.31 | 476.62 | 476.59 | 150.0 | 15 | 1.39 | 500.000 | 0.010 | 0.43 | 0.2162 |
| CO-4378 | MH-3805 | MH-4332 | 477.98 | 476.59 | 476.55 | 150.0 | 12 | 1.12 | 357.637 | 0.010 | 0.49 | 0.2270 |
| CO-4739 | MH-4333 | MH-4652 | 477.35 | 476.10 | 476.12 | 150.0 | 14 | 1.05 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4380 | MH-4332 | MH-4333 | 477.70 | 475.68 | 476.10 | 150.0 | 39 | 1.49 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4379 | MH-4332 | MH-3752 | 477.70 | 475.68 | 475.49 | 150.0 | 27 | 1.44 | 144.441 | 0.010 | 0.71 | 0.2594 |
| CO-3800 | MH-3752 | MH-3806 | 476.64 | 474.23 | 474.06 | 200.0 | 43 | 2.28 | 250.000 | 0.010 | 0.94 | 1.7187 |
| CO-3801 | MH-3806 | MH-3807 | 476.60 | 474.06 | 473.98 | 200.0 | 20 | 2.27 | 250.000 | 0.010 | 0.94 | 1.7295 |
| CO-3802 | MH-3807 | MH-3808 | 476.37 | 473.98 | 473.92 | 200.0 | 15 | 2.08 | 250.000 | 0.010 | 0.94 | 1.7403 |
| CO-4409 | MH-4355 | MH-4356 | 477.69 | 476.54 | 476.37 | 150.0 | 33 | 1.00 | 190.225 | 0.010 | 0.25 | 0.0108 |
| CO-4412 | MH-4356 | MH-4357 | 477.52 | 476.37 | 475.98 | 150.0 | 33 | 1.00 | 85.198 | 0.010 | 0.41 | 0.0216 |
| CO-4478 | MH-4415 | MH-4416 | 478.22 | 477.07 | 476.80 | 150.0 | 26 | 1.00 | 95.238 | 0.010 | 0.32 | 0.0108 |
| CO-4479 | MH-4416 | MH-4417 | 477.95 | 476.80 | 476.47 | 150.0 | 30 | 1.01 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4480 | MH-4417 | MH-4418 | 477.65 | 476.47 | 476.21 | 150.0 | 34 | 1.19 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4483 | MH-4418 | MH-4419 | 477.71 | 476.21 | 475.99 | 150.0 | 37 | 1.54 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4415 | MH-4360 | MH-4361 | 478.79 | 477.64 | 477.31 | 150.0 | 32 | 1.00 | 98.832 | 0.010 | 0.31 | 0.0108 |
| CO-4419 | MH-4361 | MH-4363 | 478.46 | 477.31 | 476.97 | 150.0 | 32 | 1.06 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4484 | MH-4420 | MH-4421 | 478.42 | 477.27 | 477.21 | 150.0 | 29 | 1.09 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4485 | MH-4421 | MH-4422 | 478.55 | 477.21 | 476.84 | 150.0 | 34 | 1.10 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4486 | MH-4422 | MH-4423 | 478.00 | 476.84 | 476.58 | 150.0 | 34 | 1.14 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4487 | MH-4423 | MH-3812 | 478.01 | 476.58 | 476.40 | 150.0 | 29 | 1.51 | 165.321 | 0.010 | 0.40 | 0.0432 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4488 | MH-4424 | MH-4425 | 478.61 | 477.46 | 477.38 | 150.0 | 30 | 1.00 | 411.694 | 0.010 | 0.19 | 0.0108 |
| CO-4489 | MH-4425 | MH-4426 | 478.53 | 477.38 | 477.04 | 150.0 | 31 | 1.09 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4490 | MH-4426 | MH-4427 | 478.37 | 477.04 | 476.79 | 150.0 | 33 | 1.34 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4493 | MH-4427 | MH-4428 | 478.44 | 476.79 | 476.60 | 150.0 | 31 | 1.71 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4420 | MH-4364 | MH-4365 | 479.29 | 478.14 | 477.88 | 150.0 | 27 | 1.00 | 101.601 | 0.010 | 0.31 | 0.0108 |
| CO-4423 | MH-4365 | MH-4366 | 479.03 | 477.88 | 477.50 | 150.0 | 35 | 1.08 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4494 | MH-4429 | MH-4430 | 478.80 | 477.65 | 477.59 | 150.0 | 30 | 1.11 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4495 | MH-4430 | MH-4431 | 478.96 | 477.59 | 477.23 | 150.0 | 34 | 1.34 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4496 | MH-4431 | MH-4432 | 478.83 | 477.23 | 477.00 | 150.0 | 29 | 1.51 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4499 | MH-4432 | MH-4433 | 478.71 | 477.00 | 476.82 | 150.0 | 30 | 1.78 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4500 | MH-4434 | MH-4435 | 479.59 | 478.44 | 478.24 | 150.0 | 28 | 1.00 | 139.497 | 0.010 | 0.28 | 0.0108 |
| CO-4501 | MH-4435 | MH-4436 | 479.39 | 478.24 | 478.02 | 150.0 | 20 | 1.02 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4506 | MH-4436 | MH-4439 | 479.21 | 478.02 | 477.80 | 150.0 | 28 | 1.25 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4502 | MH-4437 | MH-4438 | 479.77 | 478.62 | 478.34 | 150.0 | 31 | 1.00 | 110.476 | 0.010 | 0.30 | 0.0108 |
| CO-4503 | MH-4438 | MH-4439 | 479.49 | 478.34 | 478.14 | 150.0 | 19 | 1.06 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4507 | MH-4439 | MH-4442 | 479.40 | 477.80 | 477.67 | 150.0 | 30 | 1.45 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4504 | MH-4440 | MH-4441 | 479.87 | 478.62 | 478.22 | 150.0 | 28 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4505 | MH-4441 | MH-4442 | 479.37 | 478.22 | 477.98 | 150.0 | 22 | 1.07 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4508 | MH-4442 | MH-4369 | 479.27 | 477.67 | 477.55 | 150.0 | 40 | 1.57 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4430 | MH-4370 | MH-4371 | 479.59 | 478.43 | 478.19 | 150.0 | 17 | 1.00 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4424 | MH-4367 | MH-4368 | 479.87 | 478.71 | 478.20 | 150.0 | 35 | 1.00 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4428 | MH-4368 | MH-4371 | 479.35 | 478.20 | 478.02 | 150.0 | 17 | 1.08 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4429 | MH-4371 | MH-4369 | 479.34 | 478.02 | 477.96 | 150.0 | 11 | 1.22 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-3803 | MH-3809 | MH-3810 | 480.18 | 479.03 | 478.61 | 150.0 | 32 | 1.00 | 76.442 | 0.010 | 0.34 | 0.0108 |
| CO-4425 | MH-3810 | MH-4369 | 479.76 | 478.55 | 478.23 | 150.0 | 23 | 1.03 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4426 | MH-4369 | MH-3811 | 479.38 | 477.55 | 477.53 | 150.0 | 6 | 1.60 | 500.000 | 0.010 | 0.41 | 0.1729 |
| CO-4497 | MH-3811 | MH-4433 | 479.21 | 477.53 | 477.52 | 150.0 | 8 | 1.41 | 500.000 | 0.010 | 0.41 | 0.1838 |
| CO-4498 | MH-4433 | MH-4366 | 478.96 | 476.82 | 476.80 | 150.0 | 6 | 1.92 | 500.000 | 0.010 | 0.44 | 0.2378 |
| CO-4491 | MH-4366 | MH-4428 | 478.80 | 476.80 | 476.79 | 150.0 | 6 | 1.79 | 500.000 | 0.010 | 0.46 | 0.2702 |
| CO-4492 | MH-4428 | MH-3812 | 478.67 | 476.60 | 476.58 | 150.0 | 13 | 1.75 | 500.000 | 0.010 | 0.48 | 0.3243 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4417 | MH-3812 | MH-4363 | 478.30 | 476.40 | 476.38 | 150.0 | 4 | 1.73 | 200.000 | 0.010 | 0.70 | 0.3783 |
| CO-4481 | MH-4363 | MH-4419 | 478.24 | 476.38 | 476.37 | 150.0 | 9 | 1.53 | 500.000 | 0.010 | 0.51 | 0.4108 |
| CO-4482 | MH-4419 | MH-3813 | 477.87 | 475.99 | 475.96 | 150.0 | 13 | 1.64 | 500.000 | 0.010 | 0.53 | 0.4648 |
| CO-4413 | MH-4358 | MH-4359 | 478.29 | 477.14 | 476.90 | 150.0 | 30 | 1.00 | 122.820 | 0.010 | 0.29 | 0.0108 |
| CO-4414 | MH-4359 | MH-3813 | 478.05 | 476.90 | 476.50 | 150.0 | 34 | 1.00 | 83.547 | 0.010 | 0.42 | 0.0216 |
| CO-4410 | MH-3813 | MH-4357 | 477.65 | 475.96 | 475.91 | 150.0 | 25 | 1.30 | 500.000 | 0.010 | 0.53 | 0.4972 |
| CO-4411 | MH-4357 | MH-3808 | 477.13 | 475.34 | 474.95 | 150.0 | 27 | 1.32 | 70.000 | 0.010 | 1.12 | 0.5297 |
| CO-3808 | MH-3808 | MH-3814 | 476.10 | 473.92 | 473.85 | 200.0 | 18 | 1.83 | 250.000 | 0.010 | 0.98 | 2.2808 |
| CO-4444 | MH-3814 | MH-4385 | 475.73 | 473.80 | 473.77 | 250.0 | 12 | 1.57 | 500.000 | 0.010 | 0.78 | 2.2916 |
| CO-4445 | MH-4385 | MH-3815 | 475.47 | 472.84 | 472.82 | 250.0 | 13 | 2.24 | 500.000 | 0.010 | 0.79 | 2.5077 |
| CO-3810 | MH-3815 | MH-3816 | 475.18 | 472.82 | 472.71 | 250.0 | 27 | 2.07 | 250.000 | 0.010 | 1.04 | 2.5186 |
| CO-3811 | MH-3816 | MH-3600 | 474.98 | 472.71 | 472.66 | 250.0 | 24 | 1.99 | 500.000 | 0.010 | 0.79 | 2.5294 |
| CO-4279 | MH-4253 | MH-4251 | 474.94 | 473.79 | 473.60 | 150.0 | 19 | 1.00 | 103.270 | 0.010 | 0.31 | 0.0108 |
| CO-4275 | MH-4249 | MH-4250 | 476.16 | 475.01 | 474.76 | 150.0 | 34 | 1.00 | 133.412 | 0.010 | 0.28 | 0.0108 |
| CO-4276 | MH-4250 | MH-4251 | 475.91 | 474.19 | 473.60 | 150.0 | 41 | 1.28 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4285 | MH-4258 | MH-4259 | 474.93 | 473.74 | 473.29 | 150.0 | 31 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4286 | MH-4259 | MH-4255 | 474.44 | 473.29 | 472.88 | 150.0 | 38 | 1.47 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4280 | MH-4254 | MH-4255 | 475.16 | 474.01 | 473.83 | 150.0 | 16 | 1.00 | 85.179 | 0.010 | 0.33 | 0.0108 |
| CO-4281 | MH-4255 | MH-4251 | 474.98 | 472.88 | 472.67 | 150.0 | 34 | 1.94 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4282 | MH-4251 | MH-4256 | 474.75 | 472.67 | 472.60 | 150.0 | 21 | 1.96 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-4283 | MH-4256 | MH-4257 | 474.75 | 472.60 | 472.50 | 150.0 | 31 | 1.87 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4284 | MH-4257 | MH-3600 | 474.39 | 472.50 | 472.45 | 150.0 | 21 | 2.00 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4249 | MH-3601 | MH-3600 | 474.78 | 472.32 | 472.35 | 250.0 | 12 | 2.23 | 500.000 | 0.011 | 0.73 | 2.6483 |
| CO-4255 | MH-3601 | MH-4233 | 474.78 | 472.27 | 472.13 | 300.0 | 27 | 1.68 | 182.703 | 0.011 | 1.10 | 2.6591 |
| CO-4272 | MH-4233 | MH-4248 | 473.58 | 472.13 | 471.96 | 300.0 | 12 | 1.08 | 70.000 | 0.011 | 1.56 | 2.6699 |
| CO-4273 | MH-4248 | MH-3602 | 473.26 | 471.70 | 471.65 | 300.0 | 13 | 1.28 | 300.000 | 0.011 | 0.92 | 2.7131 |
| CO-4269 | MH-3602 | MH-4246 | 473.26 | 471.65 | 471.61 | 300.0 | 14 | 1.33 | 300.000 | 0.011 | 0.92 | 2.7239 |
| CO-4270 | MH-4246 | MH-3603 | 473.26 | 471.61 | 471.55 | 300.0 | 17 | 1.30 | 300.000 | 0.011 | 0.93 | 2.7456 |
| CO-4266 | MH-3603 | MH-4244 | 473.09 | 471.55 | 471.51 | 300.0 | 11 | 1.20 | 300.000 | 0.011 | 0.93 | 2.7564 |
| CO-4264 | MH-4241 | MH-4242 | 473.11 | 471.80 | 471.62 | 150.0 | 12 | 1.08 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4265 | MH-4242 | MH-4243 | 472.77 | 471.62 | 471.41 | 150.0 | 20 | 1.02 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4268 | MH-4243 | MH-4244 | 472.59 | 471.41 | 471.28 | 150.0 | 16 | 1.29 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4267 | MH-4244 | MH-3604 | 472.97 | 471.13 | 471.06 | 300.0 | 22 | 1.56 | 300.000 | 0.011 | 0.93 | 2.8104 |
| CO-3600 | MH-3604 | MH-3605 | 472.94 | 471.06 | 471.00 | 300.0 | 19 | 1.60 | 300.000 | 0.011 | 0.93 | 2.8212 |
| CO-3782 | MH-3605 | MH-3788 | 472.93 | 471.00 | 470.92 | 300.0 | 23 | 1.64 | 300.000 | 0.011 | 0.95 | 3.1023 |
| CO-3788 | MH-3788 | MH-3794 | 472.87 | 470.11 | 470.05 | 300.0 | 18 | 2.42 | 300.000 | 0.011 | 0.97 | 3.3401 |
| CO-3789 | MH-3794 | MH-3795 | 472.74 | 470.05 | 469.97 | 300.0 | 26 | 2.38 | 300.000 | 0.011 | 0.97 | 3.3509 |
| CO-3790 | MH-3795 | MH-3796 | 472.63 | 469.97 | 469.86 | 300.0 | 31 | 2.38 | 300.000 | 0.011 | 0.97 | 3.3617 |
| CO-3791 | MH-3796 | MH-3797 | 472.57 | 469.86 | 469.78 | 300.0 | 24 | 2.22 | 300.000 | 0.011 | 0.97 | 3.3725 |
| CO-4523 | MH-4459 | MH-4460 | 475.63 | 474.48 | 474.42 | 150.0 | 31 | 1.62 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4524 | MH-4460 | MH-4458 | 476.82 | 474.42 | 474.12 | 150.0 | 28 | 2.70 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4522 | MH-4457 | MH-4458 | 477.43 | 476.28 | 476.26 | 150.0 | 9 | 1.01 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4525 | MH-4458 | MH-4456 | 477.43 | 474.12 | 473.94 | 150.0 | 29 | 3.17 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4518 | MH-4452 | MH-4453 | 479.10 | 477.92 | 477.51 | 150.0 | 29 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4519 | MH-4453 | MH-4454 | 478.66 | 477.51 | 477.43 | 150.0 | 7 | 1.05 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4520 | MH-4454 | MH-4455 | 478.68 | 477.21 | 476.81 | 150.0 | 28 | 1.16 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4521 | MH-4455 | MH-4456 | 477.96 | 476.48 | 476.11 | 150.0 | 26 | 1.17 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4526 | MH-4456 | MH-4461 | 477.26 | 473.94 | 473.85 | 150.0 | 31 | 2.82 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4527 | MH-4461 | MH-4462 | 476.46 | 473.85 | 473.76 | 150.0 | 31 | 1.92 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4528 | MH-4462 | MH-4463 | 475.29 | 473.08 | 472.67 | 150.0 | 29 | 1.53 | 70.000 | 0.010 | 0.73 | 0.1189 |
| CO-4529 | MH-4463 | MH-4464 | 473.82 | 472.17 | 471.77 | 150.0 | 28 | 1.25 | 70.000 | 0.010 | 0.75 | 0.1297 |
| CO-4530 | MH-4464 | MH-4465 | 472.92 | 471.77 | 471.40 | 150.0 | 28 | 1.03 | 75.314 | 0.010 | 0.75 | 0.1405 |
| CO-4531 | MH-4465 | MH-3797 | 472.61 | 471.40 | 470.97 | 150.0 | 30 | 1.03 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-3792 | MH-3797 | MH-3798 | 472.12 | 469.78 | 469.67 | 300.0 | 33 | 1.94 | 300.000 | 0.011 | 0.98 | 3.5346 |
| CO-3793 | MH-3798 | MH-3799 | 471.82 | 469.67 | 469.63 | 300.0 | 12 | 1.85 | 300.000 | 0.011 | 0.98 | 3.5454 |
| CO-3847 | MH-3799 | MH-3852 | 471.79 | 469.58 | 469.56 | 350.0 | 10 | 1.85 | 500.000 | 0.011 | 0.86 | 4.4967 |
| CO-3848 | MH-3852 | MH-3853 | 471.75 | 469.56 | 469.50 | 350.0 | 33 | 1.86 | 500.000 | 0.011 | 0.86 | 4.5075 |
| CO-4548 | MH-4482 | MH-4481 | 472.97 | 471.82 | 471.79 | 150.0 | 12 | 1.10 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4542 | MH-4477 | MH-4474 | 477.03 | 475.88 | 475.85 | 150.0 | 14 | 1.08 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4539 | MH-4473 | MH-4472 | 477.89 | 476.74 | 476.43 | 150.0 | 38 | 1.00 | 124.808 | 0.010 | 0.29 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4536 | MH-4470 | MH-4468 | 478.71 | 477.53 | 477.24 | 150.0 | 20 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4532 | MH-4466 | MH-4467 | 479.09 | 473.50 | 473.42 | 170.0 | 20 | 5.25 | 250.000 | 0.010 | 0.85 | 1.2015 |
| CO-4534 | MH-4467 | MH-4469 | 478.67 | 473.42 | 473.26 | 170.0 | 33 | 5.24 | 200.000 | 0.010 | 0.94 | 1.2123 |
| CO-4535 | MH-4469 | MH-4468 | 478.83 | 473.26 | 473.10 | 170.0 | 32 | 5.26 | 200.000 | 0.010 | 0.94 | 1.2231 |
| CO-4537 | MH-4468 | MH-4471 | 478.39 | 473.10 | 473.02 | 170.0 | 16 | 5.05 | 200.000 | 0.010 | 0.94 | 1.2447 |
| CO-4538 | MH-4471 | MH-4472 | 478.17 | 473.02 | 472.85 | 170.0 | 30 | 4.78 | 170.000 | 0.010 | 1.01 | 1.2556 |
| CO-4540 | MH-4472 | MH-4474 | 477.58 | 472.85 | 472.70 | 170.0 | 25 | 4.43 | 170.000 | 0.010 | 1.01 | 1.2772 |
| CO-4543 | MH-4474 | MH-4476 | 477.17 | 472.70 | 472.65 | 170.0 | 8 | 4.22 | 170.000 | 0.010 | 1.01 | 1.2988 |
| CO-4541 | MH-4475 | MH-4476 | 477.25 | 476.10 | 475.81 | 150.0 | 26 | 1.00 | 90.234 | 0.010 | 0.32 | 0.0108 |
| CO-4544 | MH-4476 | MH-4478 | 476.96 | 472.65 | 472.46 | 170.0 | 32 | 3.79 | 170.000 | 0.010 | 1.02 | 1.3204 |
| CO-4545 | MH-4478 | MH-4479 | 476.08 | 472.46 | 472.28 | 170.0 | 32 | 2.97 | 170.000 | 0.010 | 1.02 | 1.3312 |
| CO-4546 | MH-4479 | MH-4480 | 474.94 | 472.25 | 472.18 | 200.0 | 33 | 1.84 | 500.000 | 0.010 | 0.68 | 1.3420 |
| CO-4547 | MH-4480 | MH-4481 | 473.56 | 472.18 | 471.95 | 200.0 | 17 | 1.09 | 72.119 | 0.010 | 1.41 | 1.3528 |
| CO-4549 | MH-4481 | MH-4483 | 473.15 | 471.74 | 471.39 | 200.0 | 34 | 1.53 | 97.885 | 0.010 | 1.27 | 1.3745 |
| CO-4550 | MH-4483 | MH-4484 | 473.45 | 471.39 | 470.95 | 200.0 | 30 | 1.43 | 70.000 | 0.010 | 1.44 | 1.3853 |
| CO-4551 | MH-4484 | MH-4485 | 472.15 | 470.84 | 470.58 | 200.0 | 18 | 1.06 | 70.000 | 0.010 | 1.44 | 1.3961 |
| CO-4552 | MH-4485 | MH-4486 | 471.78 | 470.57 | 470.46 | 200.0 | 8 | 1.01 | 70.000 | 0.010 | 1.44 | 1.4069 |
| CO-4553 | MH-4486 | MH-3853 | 471.66 | 470.46 | 470.28 | 200.0 | 36 | 1.13 | 200.000 | 0.010 | 0.98 | 1.4177 |
| CO-4237 | MH-4219 | MH-3853 | 471.82 | 469.46 | 469.50 | 350.0 | 19 | 1.95 | 500.000 | 0.011 | 0.91 | 5.9360 |
| CO-4236 | MH-4215 | MH-4219 | 471.84 | 469.42 | 469.46 | 350.0 | 21 | 2.04 | 500.000 | 0.011 | 0.91 | 5.9468 |
| CO-4235 | MH-4218 | MH-4215 | 471.49 | 469.38 | 469.42 | 350.0 | 20 | 1.92 | 500.000 | 0.011 | 0.91 | 5.9576 |
| CO-4234 | MH-4217 | MH-4218 | 471.52 | 469.32 | 469.38 | 350.0 | 29 | 1.80 | 500.000 | 0.011 | 0.91 | 5.9684 |
| CO-4233 | MH-4217 | MH-4216 | 471.52 | 469.26 | 469.32 | 350.0 | 32 | 1.82 | 500.000 | 0.011 | 0.91 | 5.9792 |
| CO-4231 | MH-4214 | MH-4211 | 471.41 | 470.26 | 470.48 | 150.0 | 45 | 1.00 | 198.963 | 0.010 | 0.24 | 0.0108 |
| CO-4230 | MH-4213 | MH-4214 | 471.57 | 469.98 | 470.26 | 150.0 | 26 | 1.22 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4229 | MH-4213 | MH-4196 | 471.57 | 469.71 | 469.98 | 150.0 | 34 | 1.60 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4226 | MH-4209 | MH-4208 | 471.74 | 470.59 | 470.50 | 150.0 | 27 | 1.00 | 308.459 | 0.010 | 0.21 | 0.0108 |
| CO-4227 | MH-4208 | MH-4210 | 471.65 | 470.50 | 470.60 | 150.0 | 48 | 1.00 | 474.042 | 0.010 | 0.18 | 0.0108 |
| CO-4225 | MH-4207 | MH-4208 | 471.62 | 470.31 | 470.50 | 150.0 | 24 | 1.08 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4224 | MH-4207 | MH-4191 | 471.62 | 470.11 | 470.31 | 150.0 | 34 | 1.33 | 165.321 | 0.010 | 0.40 | 0.0432 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3245 | MH-3247 | MH-3246 | 474.85 | 473.70 | 473.54 | 150.0 | 26 | 1.29 | 165.361 | 0.010 | 0.26 | 0.0108 |
| CO-3238 | MH-3240 | MH-3241 | 478.54 | 477.39 | 477.36 | 150.0 | 16 | 1.08 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3239 | MH-3241 | MH-3239 | 478.68 | 477.36 | 477.13 | 150.0 | 21 | 1.16 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3234 | MH-3236 | MH-3237 | 479.12 | 477.96 | 477.69 | 150.0 | 20 | 1.00 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3235 | MH-3237 | MH-3238 | 478.84 | 477.69 | 477.39 | 150.0 | 27 | 1.16 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3236 | MH-3238 | MH-3235 | 478.87 | 477.39 | 477.22 | 150.0 | 22 | 1.43 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3230 | MH-3232 | MH-3233 | 479.57 | 478.23 | 477.97 | 150.0 | 18 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3231 | MH-3233 | MH-3234 | 479.12 | 477.97 | 477.71 | 150.0 | 23 | 1.23 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3232 | MH-3234 | MH-3231 | 479.32 | 477.71 | 477.51 | 150.0 | 27 | 1.59 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3226 | MH-3228 | MH-3229 | 479.94 | 478.65 | 478.41 | 150.0 | 17 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3227 | MH-3229 | MH-3230 | 479.56 | 478.41 | 478.16 | 150.0 | 23 | 1.28 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3228 | MH-3230 | MH-3227 | 479.86 | 478.16 | 477.94 | 150.0 | 27 | 1.59 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3224 | MH-3226 | MH-3225 | 479.39 | 478.24 | 478.18 | 150.0 | 26 | 1.27 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3221 | MH-3223 | MH-3224 | 480.33 | 479.18 | 478.98 | 150.0 | 28 | 1.00 | 140.035 | 0.010 | 0.28 | 0.0108 |
| CO-3222 | MH-3224 | MH-3222 | 480.13 | 478.98 | 478.76 | 150.0 | 19 | 1.02 | 84.943 | 0.010 | 0.41 | 0.0216 |
| CO-3215 | MH-3216 | MH-3217 | 481.38 | 480.23 | 480.16 | 150.0 | 29 | 1.00 | 423.319 | 0.010 | 0.19 | 0.0108 |
| CO-3216 | MH-3217 | MH-3218 | 481.31 | 480.16 | 479.76 | 150.0 | 30 | 1.00 | 76.828 | 0.010 | 0.42 | 0.0216 |
| CO-3217 | MH-3218 | MH-3219 | 480.91 | 479.76 | 479.52 | 150.0 | 24 | 1.00 | 101.013 | 0.010 | 0.44 | 0.0324 |
| CO-3218 | MH-3219 | MH-3220 | 480.67 | 479.30 | 479.00 | 150.0 | 21 | 1.11 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3219 | MH-3220 | MH-3221 | 480.15 | 479.00 | 478.87 | 150.0 | 26 | 1.16 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-3220 | MH-3221 | MH-3222 | 480.34 | 478.87 | 478.76 | 150.0 | 24 | 1.18 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-3223 | MH-3222 | MH-3225 | 479.94 | 478.76 | 478.73 | 150.0 | 9 | 1.02 | 282.607 | 0.010 | 0.42 | 0.0973 |
| CO-3225 | MH-3225 | MH-3227 | 479.88 | 478.18 | 477.94 | 150.0 | 18 | 1.59 | 73.468 | 0.010 | 0.72 | 0.1189 |
| CO-3229 | MH-3227 | MH-3231 | 479.73 | 477.94 | 477.90 | 150.0 | 23 | 1.49 | 489.628 | 0.010 | 0.40 | 0.1621 |
| CO-3233 | MH-3231 | MH-3235 | 479.39 | 477.51 | 477.22 | 150.0 | 23 | 1.63 | 81.207 | 0.010 | 0.81 | 0.2054 |
| CO-3237 | MH-3235 | MH-3239 | 478.90 | 477.22 | 477.13 | 150.0 | 23 | 1.34 | 268.022 | 0.010 | 0.56 | 0.2486 |
| CO-3240 | MH-3239 | MH-3242 | 478.43 | 477.13 | 476.84 | 150.0 | 26 | 1.08 | 86.105 | 0.010 | 0.87 | 0.2810 |
| CO-3241 | MH-3242 | MH-3243 | 477.99 | 476.43 | 475.97 | 150.0 | 32 | 1.20 | 70.000 | 0.010 | 0.95 | 0.2919 |
| CO-3242 | MH-3243 | MH-3244 | 477.12 | 475.58 | 475.22 | 150.0 | 25 | 1.20 | 70.000 | 0.010 | 0.96 | 0.3027 |
| CO-3243 | MH-3244 | MH-3245 | 476.37 | 474.83 | 474.52 | 150.0 | 22 | 1.19 | 70.000 | 0.010 | 0.97 | 0.3135 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3244 | MH-3245 | MH-3246 | 475.67 | 474.28 | 474.13 | 150.0 | 11 | 1.12 | 70.000 | 0.010 | 0.98 | 0.3243 |
| CO-3246 | MH-3246 | MH-3248 | 475.28 | 473.54 | 472.93 | 150.0 | 43 | 1.29 | 70.000 | 0.010 | 1.00 | 0.3459 |
| CO-4094 | MH-4090 | MH-4091 | 474.39 | 473.21 | 473.08 | 150.0 | 9 | 1.01 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4095 | MH-4091 | MH-3248 | 474.23 | 473.08 | 472.91 | 150.0 | 16 | 1.01 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3247 | MH-3248 | MH-3249 | 474.08 | 472.42 | 472.03 | 150.0 | 27 | 1.25 | 70.000 | 0.010 | 1.03 | 0.3783 |
| CO-3248 | MH-3249 | MH-3206 | 473.18 | 471.87 | 471.17 | 150.0 | 49 | 1.08 | 70.000 | 0.010 | 1.03 | 0.3891 |
| CO-4090 | MH-4087 | MH-4088 | 474.03 | 472.73 | 472.56 | 150.0 | 12 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4093 | MH-4088 | MH-4089 | 473.71 | 472.56 | 472.36 | 150.0 | 15 | 1.03 | 70.346 | 0.010 | 0.43 | 0.0216 |
| CO-3208 | MH-3210 | MH-3209 | 476.71 | 475.48 | 475.16 | 150.0 | 23 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3206 | MH-3207 | MH-3208 | 477.31 | 475.75 | 475.40 | 150.0 | 24 | 1.20 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3207 | MH-3208 | MH-3209 | 476.55 | 475.40 | 475.16 | 150.0 | 17 | 1.00 | 71.754 | 0.010 | 0.43 | 0.0216 |
| CO-3209 | MH-3209 | MH-3211 | 476.31 | 474.58 | 474.18 | 150.0 | 27 | 1.29 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3210 | MH-3211 | MH-3212 | 475.33 | 473.88 | 473.68 | 150.0 | 14 | 1.15 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3212 | MH-3212 | MH-3214 | 474.83 | 473.29 | 472.85 | 150.0 | 31 | 1.19 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4091 | MH-3214 | MH-4089 | 474.00 | 472.58 | 472.43 | 150.0 | 11 | 1.13 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4092 | MH-4089 | MH-3215 | 473.58 | 472.36 | 472.15 | 150.0 | 14 | 1.03 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-3214 | MH-3215 | MH-3204 | 473.30 | 472.15 | 471.88 | 150.0 | 24 | 1.00 | 89.797 | 0.010 | 0.67 | 0.1189 |
| CO-4086 | MH-4083 | MH-4084 | 474.78 | 473.63 | 473.46 | 150.0 | 15 | 1.00 | 84.552 | 0.010 | 0.33 | 0.0108 |
| CO-4087 | MH-4084 | MH-4065 | 474.61 | 473.29 | 473.14 | 150.0 | 10 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4072 | MH-4070 | MH-4071 | 475.93 | 474.49 | 474.39 | 150.0 | 7 | 1.15 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4073 | MH-4071 | MH-4072 | 475.54 | 474.20 | 473.95 | 150.0 | 17 | 1.09 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4074 | MH-4072 | MH-4073 | 475.10 | 473.79 | 473.54 | 150.0 | 18 | 1.08 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4088 | MH-4085 | MH-4086 | 475.44 | 474.08 | 473.86 | 150.0 | 15 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4089 | MH-4086 | MH-4073 | 475.01 | 473.70 | 473.54 | 150.0 | 11 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4077 | MH-4073 | MH-4076 | 474.69 | 473.54 | 473.35 | 150.0 | 19 | 1.00 | 100.179 | 0.010 | 0.54 | 0.0649 |
| CO-4078 | MH-4076 | MH-4077 | 474.50 | 473.35 | 473.29 | 150.0 | 16 | 1.07 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-4079 | MH-4077 | MH-4078 | 474.58 | 473.29 | 473.22 | 150.0 | 7 | 1.11 | 113.475 | 0.010 | 0.56 | 0.0865 |
| CO-4080 | MH-4078 | MH-4079 | 474.45 | 473.22 | 473.02 | 150.0 | 14 | 1.04 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-4081 | MH-4079 | MH-4065 | 474.17 | 473.02 | 472.98 | 150.0 | 16 | 1.08 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4066 | MH-4062 | MH-4063 | 476.19 | 474.75 | 474.59 | 150.0 | 11 | 1.15 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4067 | MH-4063 | MH-4061 | 475.74 | 474.57 | 474.36 | 150.0 | 15 | 1.01 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4063 | MH-4058 | MH-4059 | 476.60 | 475.17 | 474.97 | 150.0 | 15 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4064 | MH-4059 | MH-4060 | 476.12 | 474.79 | 474.56 | 150.0 | 16 | 1.09 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4065 | MH-4060 | MH-4061 | 475.71 | 474.50 | 474.36 | 150.0 | 10 | 1.03 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4068 | MH-4061 | MH-4064 | 475.51 | 474.08 | 473.76 | 150.0 | 22 | 1.14 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4069 | MH-4064 | MH-4065 | 474.91 | 473.44 | 473.14 | 150.0 | 20 | 1.16 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4082 | MH-4065 | MH-4080 | 474.29 | 472.98 | 472.87 | 150.0 | 9 | 1.15 | 76.372 | 0.010 | 0.84 | 0.2162 |
| CO-4083 | MH-4080 | MH-4081 | 474.16 | 472.87 | 472.64 | 150.0 | 16 | 1.07 | 70.000 | 0.010 | 0.88 | 0.2270 |
| CO-4084 | MH-4081 | MH-4082 | 473.79 | 472.62 | 472.35 | 150.0 | 18 | 1.01 | 70.000 | 0.010 | 0.90 | 0.2378 |
| CO-4085 | MH-4082 | MH-4053 | 473.50 | 472.35 | 472.26 | 150.0 | 23 | 1.00 | 236.542 | 0.010 | 0.59 | 0.2486 |
| CO-4059 | MH-4054 | MH-4055 | 473.56 | 472.41 | 472.37 | 150.0 | 20 | 1.14 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4060 | MH-4055 | MH-4046 | 473.79 | 472.37 | 472.18 | 150.0 | 17 | 1.62 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4075 | MH-4074 | MH-4075 | 474.64 | 473.49 | 473.34 | 150.0 | 15 | 1.00 | 100.886 | 0.010 | 0.31 | 0.0108 |
| CO-4076 | MH-4075 | MH-4045 | 474.49 | 473.34 | 473.06 | 150.0 | 26 | 1.07 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4045 | MH-4042 | MH-4043 | 474.73 | 473.49 | 473.27 | 150.0 | 16 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4046 | MH-4043 | MH-4041 | 474.42 | 473.27 | 473.19 | 150.0 | 7 | 1.00 | 91.316 | 0.010 | 0.40 | 0.0216 |
| CO-4039 | MH-4036 | MH-4037 | 473.66 | 472.51 | 472.41 | 150.0 | 18 | 1.00 | 182.099 | 0.010 | 0.25 | 0.0108 |
| CO-4040 | MH-4037 | MH-4038 | 473.56 | 472.41 | 472.26 | 150.0 | 14 | 1.13 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4041 | MH-4038 | MH-4035 | 473.67 | 472.26 | 472.13 | 150.0 | 18 | 1.34 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4036 | MH-4032 | MH-4033 | 474.50 | 473.01 | 472.75 | 150.0 | 18 | 1.17 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4037 | MH-4033 | MH-4034 | 473.90 | 472.75 | 472.54 | 150.0 | 19 | 1.03 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4038 | MH-4034 | MH-4035 | 473.75 | 472.54 | 472.49 | 150.0 | 7 | 1.06 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4042 | MH-4035 | MH-4039 | 473.70 | 472.13 | 472.07 | 150.0 | 14 | 1.43 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-4043 | MH-4039 | MH-4040 | 473.66 | 472.07 | 472.01 | 150.0 | 20 | 1.56 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-4044 | MH-4040 | MH-4041 | 473.83 | 472.01 | 471.95 | 150.0 | 19 | 1.96 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4047 | MH-4041 | MH-4044 | 474.34 | 471.95 | 471.92 | 150.0 | 11 | 2.22 | 410.602 | 0.010 | 0.40 | 0.1297 |
| CO-4048 | MH-4044 | MH-4045 | 474.27 | 471.92 | 471.90 | 150.0 | 9 | 2.25 | 439.801 | 0.010 | 0.40 | 0.1405 |
| CO-4049 | MH-4045 | MH-4046 | 474.36 | 471.90 | 471.88 | 150.0 | 13 | 2.28 | 500.000 | 0.010 | 0.41 | 0.1729 |
| CO-4050 | MH-4046 | MH-4047 | 474.29 | 471.88 | 471.84 | 150.0 | 17 | 2.28 | 500.000 | 0.010 | 0.42 | 0.2054 |
| CO-4051 | MH-4047 | MH-4048 | 474.29 | 471.84 | 471.81 | 150.0 | 19 | 2.27 | 500.000 | 0.010 | 0.43 | 0.2162 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4052 | MH-4048 | MH-4049 | 474.21 | 471.81 | 471.77 | 150.0 | 21 | 2.19 | 500.000 | 0.010 | 0.44 | 0.2270 |
| CO-4053 | MH-4049 | MH-4050 | 474.05 | 471.77 | 471.73 | 150.0 | 17 | 2.05 | 500.000 | 0.010 | 0.44 | 0.2378 |
| CO-4054 | MH-4050 | MH-4051 | 473.85 | 471.73 | 471.70 | 150.0 | 18 | 1.84 | 500.000 | 0.010 | 0.45 | 0.2486 |
| CO-4055 | MH-4051 | MH-4052 | 473.57 | 471.70 | 471.66 | 150.0 | 19 | 1.54 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-4058 | MH-4052 | MH-4053 | 473.17 | 471.66 | 471.64 | 150.0 | 7 | 1.48 | 500.000 | 0.010 | 0.46 | 0.2702 |
| CO-3178 | MH-3180 | MH-3181 | 479.16 | 478.01 | 477.87 | 150.0 | 29 | 1.06 | 195.068 | 0.010 | 0.25 | 0.0108 |
| CO-3179 | MH-3181 | MH-3182 | 479.13 | 477.87 | 477.40 | 150.0 | 33 | 1.06 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3180 | MH-3182 | MH-3183 | 478.55 | 477.40 | 477.17 | 150.0 | 30 | 1.05 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3181 | MH-3183 | MH-3184 | 478.42 | 477.17 | 476.98 | 150.0 | 30 | 1.14 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-3182 | MH-3184 | MH-3185 | 478.30 | 476.98 | 476.58 | 150.0 | 29 | 1.18 | 70.506 | 0.010 | 0.57 | 0.0540 |
| CO-3183 | MH-3185 | MH-3186 | 477.93 | 476.58 | 476.16 | 150.0 | 29 | 1.10 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-3184 | MH-3186 | MH-3187 | 477.31 | 475.77 | 475.32 | 150.0 | 31 | 1.20 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-3187 | MH-3187 | MH-3175 | 476.47 | 474.91 | 474.58 | 150.0 | 23 | 1.20 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-3175 | MH-3177 | MH-3178 | 475.58 | 474.42 | 474.50 | 150.0 | 36 | 1.01 | 483.471 | 0.010 | 0.18 | 0.0108 |
| CO-3174 | MH-3176 | MH-3177 | 475.83 | 474.09 | 474.42 | 150.0 | 31 | 1.30 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3173 | MH-3175 | MH-3176 | 475.73 | 473.86 | 474.09 | 150.0 | 30 | 1.66 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3188 | MH-3175 | MH-3191 | 475.73 | 473.86 | 473.79 | 150.0 | 26 | 1.44 | 410.602 | 0.010 | 0.40 | 0.1297 |
| CO-3189 | MH-3191 | MH-3192 | 475.09 | 473.79 | 473.73 | 150.0 | 29 | 1.15 | 439.801 | 0.010 | 0.40 | 0.1405 |
| CO-3190 | MH-3192 | MH-3193 | 475.03 | 473.73 | 473.66 | 150.0 | 31 | 1.15 | 463.255 | 0.010 | 0.40 | 0.1513 |
| CO-3191 | MH-3193 | MH-3194 | 474.96 | 473.66 | 473.61 | 150.0 | 25 | 1.14 | 489.628 | 0.010 | 0.40 | 0.1621 |
| CO-3192 | MH-3194 | MH-3179 | 474.89 | 473.61 | 473.58 | 150.0 | 14 | 1.30 | 500.000 | 0.010 | 0.41 | 0.1729 |
| CO-4000 | MH-4000 | MH-4001 | 476.45 | 475.30 | 475.25 | 150.0 | 23 | 1.01 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4001 | MH-4001 | MH-4002 | 476.43 | 475.25 | 474.98 | 150.0 | 21 | 1.01 | 77.364 | 0.010 | 0.42 | 0.0216 |
| CO-4002 | MH-4002 | MH-4003 | 476.13 | 474.98 | 474.90 | 150.0 | 10 | 1.07 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4003 | MH-4003 | MH-4004 | 476.18 | 474.90 | 474.77 | 150.0 | 21 | 1.22 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4006 | MH-4004 | MH-4005 | 476.23 | 474.77 | 474.68 | 150.0 | 19 | 1.39 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-3168 | MH-3170 | MH-3171 | 477.12 | 475.97 | 475.72 | 150.0 | 36 | 1.00 | 143.167 | 0.010 | 0.27 | 0.0108 |
| CO-3169 | MH-3171 | MH-3172 | 476.87 | 475.72 | 475.36 | 150.0 | 33 | 1.13 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3170 | MH-3172 | MH-3169 | 476.76 | 475.36 | 475.17 | 150.0 | 25 | 1.43 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3163 | MH-3166 | MH-3167 | 477.17 | 476.02 | 475.98 | 150.0 | 24 | 1.08 | 500.000 | 0.010 | 0.18 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3164 | MH-3167 | MH-3165 | 477.29 | 475.98 | 475.73 | 150.0 | 22 | 1.22 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3160 | MH-3162 | MH-3163 | 478.63 | 477.27 | 476.93 | 150.0 | 24 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3161 | MH-3163 | MH-3164 | 478.08 | 476.93 | 476.60 | 150.0 | 30 | 1.02 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3162 | MH-3164 | MH-3165 | 477.79 | 476.34 | 476.02 | 150.0 | 23 | 1.15 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3165 | MH-3165 | MH-3161 | 477.17 | 475.73 | 475.63 | 150.0 | 24 | 1.43 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-3156 | MH-3157 | MH-3158 | 479.35 | 478.20 | 477.78 | 150.0 | 30 | 1.02 | 71.638 | 0.010 | 0.35 | 0.0108 |
| CO-3157 | MH-3158 | MH-3159 | 478.97 | 477.78 | 477.34 | 150.0 | 30 | 1.02 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3158 | MH-3159 | MH-3160 | 478.49 | 477.08 | 476.65 | 150.0 | 30 | 1.13 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3159 | MH-3160 | MH-3161 | 477.80 | 476.52 | 476.21 | 150.0 | 22 | 1.07 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3166 | MH-3161 | MH-3168 | 477.36 | 475.63 | 475.61 | 150.0 | 8 | 1.50 | 382.338 | 0.010 | 0.40 | 0.1189 |
| CO-3167 | MH-3168 | MH-3169 | 477.19 | 475.61 | 475.58 | 150.0 | 14 | 1.31 | 410.602 | 0.010 | 0.40 | 0.1297 |
| CO-3171 | MH-3169 | MH-3173 | 476.92 | 475.17 | 475.14 | 150.0 | 15 | 1.44 | 500.000 | 0.010 | 0.41 | 0.1729 |
| CO-4004 | MH-3173 | MH-4005 | 476.57 | 475.14 | 475.12 | 150.0 | 10 | 1.16 | 500.000 | 0.010 | 0.41 | 0.1838 |
| CO-4005 | MH-4005 | MH-3174 | 476.31 | 474.68 | 474.40 | 150.0 | 24 | 1.31 | 86.571 | 0.010 | 0.84 | 0.2486 |
| CO-3177 | MH-3174 | MH-3179 | 475.68 | 474.40 | 474.05 | 150.0 | 25 | 1.07 | 70.000 | 0.010 | 0.92 | 0.2594 |
| CO-3193 | MH-3179 | MH-3155 | 475.20 | 473.58 | 473.28 | 150.0 | 22 | 1.26 | 71.102 | 0.010 | 1.07 | 0.4432 |
| CO-3148 | MH-3150 | MH-3151 | 477.39 | 476.12 | 475.92 | 150.0 | 14 | 1.06 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3149 | MH-3151 | MH-3149 | 477.07 | 475.60 | 475.15 | 150.0 | 32 | 1.16 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3145 | MH-3147 | MH-3148 | 477.86 | 476.56 | 476.25 | 150.0 | 21 | 1.08 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3146 | MH-3148 | MH-3145 | 477.40 | 475.93 | 475.57 | 150.0 | 25 | 1.16 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3144 | MH-3146 | MH-3145 | 476.59 | 475.44 | 475.06 | 150.0 | 28 | 1.26 | 72.659 | 0.010 | 0.35 | 0.0108 |
| CO-3141 | MH-3143 | MH-3144 | 478.41 | 477.09 | 476.74 | 150.0 | 24 | 1.09 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3142 | MH-3144 | MH-3140 | 477.89 | 476.29 | 475.96 | 150.0 | 23 | 1.22 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3139 | MH-3141 | MH-3142 | 476.82 | 475.67 | 475.63 | 150.0 | 19 | 1.10 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3140 | MH-3142 | MH-3140 | 476.99 | 475.63 | 475.44 | 150.0 | 17 | 1.36 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3136 | MH-3138 | MH-3139 | 476.65 | 475.50 | 475.46 | 150.0 | 22 | 1.17 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3137 | MH-3139 | MH-3135 | 476.95 | 475.46 | 475.29 | 150.0 | 16 | 1.56 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3134 | MH-3136 | MH-3137 | 478.65 | 477.21 | 476.84 | 150.0 | 26 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3135 | MH-3137 | MH-3135 | 477.99 | 476.40 | 476.07 | 150.0 | 23 | 1.22 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3131 | MH-3133 | MH-3134 | 476.80 | 475.65 | 475.60 | 150.0 | 21 | 1.11 | 500.000 | 0.010 | 0.18 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3132 | MH-3134 | MH-3132 | 476.98 | 475.60 | 475.28 | 150.0 | 30 | 1.74 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3129 | MH-3130 | MH-3131 | 478.76 | 477.41 | 477.19 | 150.0 | 16 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3130 | MH-3131 | MH-3132 | 478.34 | 476.97 | 476.53 | 150.0 | 30 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3133 | MH-3132 | MH-3135 | 477.68 | 475.28 | 475.18 | 150.0 | 21 | 2.07 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-3138 | MH-3135 | MH-3140 | 477.22 | 475.18 | 475.11 | 150.0 | 24 | 1.87 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-3143 | MH-3140 | MH-3145 | 477.11 | 475.11 | 475.06 | 150.0 | 24 | 1.68 | 489.628 | 0.010 | 0.40 | 0.1621 |
| CO-3147 | MH-3145 | MH-3149 | 476.72 | 475.06 | 475.02 | 150.0 | 20 | 1.32 | 500.000 | 0.010 | 0.42 | 0.2054 |
| CO-4061 | MH-4056 | MH-4057 | 475.74 | 474.59 | 474.55 | 150.0 | 21 | 1.08 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4062 | MH-4057 | MH-3149 | 475.87 | 474.55 | 474.35 | 150.0 | 19 | 1.48 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3150 | MH-3149 | MH-3129 | 476.30 | 474.35 | 474.29 | 150.0 | 31 | 1.61 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-3120 | MH-3121 | MH-3122 | 477.89 | 476.66 | 476.24 | 150.0 | 29 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3121 | MH-3122 | MH-3120 | 477.39 | 476.11 | 475.90 | 150.0 | 15 | 1.07 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3117 | MH-3118 | MH-3119 | 478.23 | 476.94 | 476.69 | 150.0 | 17 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3118 | MH-3119 | MH-3117 | 477.84 | 476.69 | 476.27 | 150.0 | 30 | 1.02 | 71.368 | 0.010 | 0.43 | 0.0216 |
| CO-3114 | MH-3115 | MH-3116 | 478.83 | 477.61 | 477.33 | 150.0 | 20 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3115 | MH-3116 | MH-3114 | 478.48 | 477.29 | 476.87 | 150.0 | 30 | 1.02 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3111 | MH-3112 | MH-3113 | 479.31 | 478.04 | 477.74 | 150.0 | 21 | 1.06 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3112 | MH-3113 | MH-3111 | 478.89 | 477.66 | 477.24 | 150.0 | 30 | 1.04 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3108 | MH-3109 | MH-3110 | 479.65 | 478.43 | 478.11 | 150.0 | 22 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3109 | MH-3110 | MH-3108 | 479.26 | 478.05 | 477.62 | 150.0 | 30 | 1.03 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3107 | MH-3107 | MH-3108 | 478.86 | 477.71 | 477.60 | 150.0 | 29 | 1.01 | 258.549 | 0.010 | 0.22 | 0.0108 |
| CO-3110 | MH-3108 | MH-3111 | 478.77 | 477.60 | 477.24 | 150.0 | 25 | 1.01 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3113 | MH-3111 | MH-3114 | 478.39 | 477.16 | 476.87 | 150.0 | 20 | 1.04 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-3116 | MH-3114 | MH-3117 | 478.02 | 476.67 | 476.32 | 150.0 | 25 | 1.10 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-3119 | MH-3117 | MH-3120 | 477.47 | 476.27 | 475.90 | 150.0 | 26 | 1.02 | 70.000 | 0.010 | 0.77 | 0.1405 |
| CO-3122 | MH-3120 | MH-3123 | 477.05 | 475.75 | 475.63 | 150.0 | 9 | 1.07 | 70.000 | 0.010 | 0.81 | 0.1729 |
| CO-3125 | MH-3123 | MH-3126 | 476.78 | 475.57 | 475.44 | 150.0 | 9 | 1.03 | 70.000 | 0.010 | 0.83 | 0.1838 |
| CO-3126 | MH-3126 | MH-3127 | 476.59 | 475.32 | 475.02 | 150.0 | 21 | 1.06 | 70.000 | 0.010 | 0.84 | 0.1946 |
| CO-3128 | MH-3127 | MH-3129 | 476.17 | 474.92 | 474.72 | 150.0 | 14 | 1.05 | 70.000 | 0.010 | 0.86 | 0.2054 |
| CO-3151 | MH-3129 | MH-3152 | 475.87 | 474.29 | 473.99 | 150.0 | 34 | 1.22 | 114.999 | 0.010 | 0.91 | 0.4756 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3152 | MH-3152 | MH-3153 | 475.16 | 473.99 | 473.59 | 150.0 | 28 | 1.01 | 70.000 | 0.010 | 1.10 | 0.4864 |
| CO-3153 | MH-3153 | MH-3154 | 474.74 | 473.59 | 473.36 | 150.0 | 30 | 1.00 | 129.224 | 0.010 | 0.89 | 0.4972 |
| CO-3154 | MH-3154 | MH-3155 | 474.51 | 473.36 | 473.28 | 150.0 | 40 | 1.03 | 500.000 | 0.010 | 0.54 | 0.5080 |
| CO-3194 | MH-3155 | MH-3195 | 474.48 | 472.98 | 472.94 | 450.0 | 20 | 1.04 | 500.000 | 0.011 | 1.07 | 11.4204 |
| CO-3195 | MH-3195 | MH-3196 | 474.42 | 472.94 | 472.67 | 450.0 | 30 | 1.02 | 115.788 | 0.011 | 1.89 | 11.4294 |
| CO-3196 | MH-3196 | MH-3197 | 474.12 | 472.67 | 472.46 | 450.0 | 30 | 1.00 | 141.936 | 0.011 | 1.75 | 11.4385 |
| CO-3197 | MH-3197 | MH-3198 | 473.91 | 472.46 | 472.40 | 450.0 | 30 | 1.04 | 500.000 | 0.011 | 1.07 | 11.4475 |
| CO-3198 | MH-3198 | MH-3199 | 473.93 | 472.40 | 472.35 | 450.0 | 28 | 1.05 | 500.000 | 0.011 | 1.07 | 11.4566 |
| CO-3199 | MH-3199 | MH-3200 | 473.82 | 472.35 | 472.05 | 450.0 | 44 | 1.01 | 146.506 | 0.011 | 1.73 | 11.4657 |
| CO-3200 | MH-3200 | MH-3201 | 473.50 | 472.05 | 471.84 | 450.0 | 24 | 1.00 | 114.835 | 0.011 | 1.89 | 11.4747 |
| CO-3201 | MH-3201 | MH-3202 | 473.29 | 471.84 | 471.74 | 450.0 | 34 | 1.00 | 322.644 | 0.011 | 1.28 | 11.4838 |
| CO-3202 | MH-3202 | MH-3203 | 473.19 | 471.74 | 471.67 | 450.0 | 32 | 1.10 | 500.000 | 0.011 | 1.07 | 11.4928 |
| CO-4056 | MH-3203 | MH-4053 | 473.33 | 471.67 | 471.65 | 450.0 | 11 | 1.25 | 500.000 | 0.011 | 1.07 | 11.5019 |
| CO-4057 | MH-4053 | MH-3204 | 473.41 | 471.34 | 471.28 | 450.0 | 34 | 1.46 | 500.000 | 0.011 | 1.07 | 11.9457 |
| CO-3204 | MH-3204 | MH-3205 | 473.03 | 471.28 | 471.25 | 450.0 | 13 | 1.17 | 500.000 | 0.011 | 1.08 | 12.0544 |
| CO-3205 | MH-3205 | MH-3206 | 472.74 | 471.25 | 470.87 | 450.0 | 28 | 1.02 | 74.893 | 0.011 | 2.24 | 12.0635 |
| CO-3249 | MH-3206 | MH-3250 | 472.32 | 470.87 | 470.60 | 450.0 | 52 | 1.00 | 191.163 | 0.011 | 1.59 | 12.3986 |
| CO-4096 | MH-4092 | MH-4093 | 474.46 | 473.31 | 473.26 | 150.0 | 13 | 1.00 | 246.680 | 0.010 | 0.23 | 0.0108 |
| CO-4099 | MH-4093 | MH-4094 | 474.41 | 473.26 | 473.12 | 150.0 | 12 | 1.07 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3272 | MH-3274 | MH-3273 | 475.81 | 474.66 | 474.55 | 150.0 | 24 | 1.00 | 224.055 | 0.010 | 0.23 | 0.0108 |
| CO-3269 | MH-3271 | MH-3270 | 477.07 | 475.92 | 475.71 | 150.0 | 26 | 1.00 | 123.899 | 0.010 | 0.29 | 0.0108 |
| CO-3265 | MH-3266 | MH-3267 | 478.04 | 476.89 | 476.86 | 150.0 | 15 | 1.06 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3266 | MH-3267 | MH-3268 | 478.12 | 476.86 | 476.51 | 150.0 | 32 | 1.21 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3267 | MH-3268 | MH-3269 | 477.97 | 476.19 | 475.85 | 150.0 | 24 | 1.31 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3268 | MH-3269 | MH-3270 | 477.00 | 475.85 | 475.71 | 150.0 | 19 | 1.00 | 139.061 | 0.010 | 0.42 | 0.0432 |
| CO-3270 | MH-3270 | MH-3272 | 476.86 | 475.28 | 474.87 | 150.0 | 29 | 1.21 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-3271 | MH-3272 | MH-3273 | 476.02 | 474.74 | 474.55 | 150.0 | 13 | 1.07 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-3273 | MH-3273 | MH-3275 | 475.70 | 474.12 | 473.67 | 150.0 | 31 | 1.22 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-4097 | MH-3275 | MH-4094 | 474.82 | 473.42 | 473.26 | 150.0 | 11 | 1.12 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-4098 | MH-4094 | MH-3276 | 474.41 | 473.12 | 472.91 | 150.0 | 20 | 1.07 | 94.834 | 0.010 | 0.69 | 0.1405 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3275 | MH-3276 | MH-3277 | 474.06 | 472.58 | 472.14 | 150.0 | 30 | 1.17 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-3276 | MH-3277 | MH-3265 | 473.29 | 472.14 | 471.96 | 150.0 | 28 | 1.00 | 151.030 | 0.010 | 0.61 | 0.1621 |
| CO-3260 | MH-3262 | MH-3261 | 475.33 | 474.18 | 474.13 | 150.0 | 22 | 1.30 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3255 | MH-3256 | MH-3257 | 478.02 | 476.58 | 476.25 | 150.0 | 24 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3256 | MH-3257 | MH-3258 | 477.40 | 476.16 | 475.94 | 150.0 | 15 | 1.04 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3257 | MH-3259 | MH-3258 | 476.77 | 475.62 | 475.52 | 150.0 | 24 | 1.21 | 235.048 | 0.010 | 0.23 | 0.0108 |
| CO-3258 | MH-3258 | MH-3260 | 477.09 | 475.52 | 475.09 | 150.0 | 30 | 1.21 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3259 | MH-3260 | MH-3261 | 476.24 | 474.90 | 474.74 | 150.0 | 12 | 1.09 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3261 | MH-3261 | MH-3263 | 475.89 | 474.13 | 473.67 | 150.0 | 34 | 1.30 | 73.528 | 0.010 | 0.63 | 0.0757 |
| CO-3262 | MH-3263 | MH-3264 | 474.82 | 473.19 | 472.78 | 150.0 | 28 | 1.24 | 70.000 | 0.010 | 0.66 | 0.0865 |
| CO-3263 | MH-3264 | MH-3265 | 473.93 | 472.39 | 471.96 | 150.0 | 30 | 1.19 | 70.000 | 0.010 | 0.69 | 0.0973 |
| CO-3264 | MH-3265 | MH-3250 | 473.11 | 471.96 | 470.90 | 150.0 | 75 | 1.00 | 70.921 | 0.010 | 0.92 | 0.2702 |
| CO-3250 | MH-3250 | MH-3251 | 472.05 | 470.60 | 470.57 | 450.0 | 17 | 1.09 | 500.000 | 0.011 | 1.08 | 12.6341 |
| CO-3251 | MH-3251 | MH-3252 | 472.20 | 470.57 | 470.55 | 450.0 | 10 | 1.24 | 500.000 | 0.011 | 1.08 | 12.6432 |
| CO-3252 | MH-3252 | MH-4199 | 472.29 | 470.55 | 470.46 | 450.0 | 41 | 1.20 | 500.000 | 0.011 | 1.08 | 12.6522 |
| CO-4213 | MH-4199 | MH-4191 | 472.03 | 470.46 | 470.31 | 450.0 | 32 | 1.06 | 208.559 | 0.011 | 1.55 | 12.6613 |
| CO-4198 | MH-4182 | MH-4183 | 472.35 | 470.82 | 470.50 | 150.0 | 22 | 1.19 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4199 | MH-4183 | MH-4184 | 471.65 | 470.50 | 470.24 | 150.0 | 24 | 1.19 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4200 | MH-4184 | MH-4185 | 471.76 | 470.24 | 470.09 | 150.0 | 19 | 1.42 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4203 | MH-4185 | MH-4189 | 471.70 | 470.09 | 469.98 | 150.0 | 18 | 1.48 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4204 | MH-4189 | MH-4190 | 471.64 | 469.98 | 469.89 | 150.0 | 18 | 1.61 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4205 | MH-4190 | MH-4191 | 471.76 | 469.89 | 469.80 | 150.0 | 22 | 1.77 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4214 | MH-4191 | MH-4196 | 471.76 | 469.45 | 469.36 | 500.0 | 30 | 1.79 | 338.790 | 0.011 | 1.30 | 12.7609 |
| CO-4201 | MH-4186 | MH-4181 | 471.68 | 470.53 | 470.42 | 150.0 | 23 | 1.00 | 223.386 | 0.010 | 0.23 | 0.0108 |
| CO-4194 | MH-4177 | MH-4178 | 472.91 | 471.64 | 471.45 | 150.0 | 13 | 1.06 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4195 | MH-4178 | MH-4179 | 472.60 | 471.32 | 470.85 | 150.0 | 33 | 1.06 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4196 | MH-4179 | MH-4180 | 472.00 | 470.85 | 470.57 | 150.0 | 36 | 1.03 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4197 | MH-4180 | MH-4181 | 471.77 | 470.57 | 470.42 | 150.0 | 11 | 1.03 | 75.141 | 0.010 | 0.53 | 0.0432 |
| CO-4206 | MH-4181 | MH-4192 | 471.57 | 470.42 | 470.35 | 150.0 | 17 | 1.05 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4209 | MH-4192 | MH-4195 | 471.60 | 470.35 | 470.26 | 150.0 | 23 | 1.13 | 262.798 | 0.010 | 0.40 | 0.0757 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-4210 | MH-4195 | MH-4196 | 471.57 | 470.26 | 470.20 | 150.0 | 18 | 1.21 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-4215 | MH-4196 | MH-4216 | 471.62 | 469.36 | 469.11 | 500.0 | 29 | 1.77 | 113.300 | 0.011 | 1.95 | 12.8872 |
| CO-4202 | MH-4187 | MH-4176 | 471.54 | 470.39 | 470.30 | 150.0 | 24 | 1.06 | 242.441 | 0.010 | 0.23 | 0.0108 |
| CO-4191 | MH-4173 | MH-4174 | 472.67 | 471.47 | 471.11 | 150.0 | 25 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4192 | MH-4174 | MH-4175 | 472.26 | 471.03 | 470.52 | 150.0 | 36 | 1.04 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4193 | MH-4175 | MH-4176 | 471.67 | 470.52 | 470.30 | 150.0 | 28 | 1.06 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4211 | MH-4176 | MH-4197 | 471.57 | 470.30 | 470.16 | 150.0 | 28 | 1.18 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4212 | MH-4197 | MH-4216 | 471.53 | 470.16 | 470.03 | 150.0 | 30 | 1.22 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4216 | MH-4216 | MH-4200 | 471.39 | 469.11 | 469.05 | 500.0 | 30 | 1.71 | 500.000 | 0.011 | 1.16 | 16.1410 |
| CO-4217 | MH-4200 | MH-4201 | 471.18 | 469.05 | 468.99 | 500.0 | 30 | 1.60 | 500.000 | 0.011 | 1.16 | 16.1490 |
| CO-4218 | MH-4201 | MH-4202 | 471.05 | 468.99 | 468.92 | 500.0 | 34 | 1.50 | 500.000 | 0.011 | 1.16 | 16.1571 |
| CO-4219 | MH-4202 | MH-4203 | 470.86 | 468.92 | 468.85 | 500.0 | 32 | 1.41 | 500.000 | 0.011 | 1.16 | 16.1652 |
| CO-4220 | MH-4203 | MH-4204 | 470.73 | 468.85 | 468.80 | 500.0 | 28 | 1.39 | 500.000 | 0.011 | 1.16 | 16.1733 |
| CO-4223 | MH-4204 | MH-4205 | 470.70 | 468.80 | 468.74 | 500.0 | 28 | 1.34 | 500.000 | 0.011 | 1.16 | 16.1814 |
| CO-3094 | MH-3094 | MH-3095 | 471.46 | 470.31 | 470.02 | 150.0 | 26 | 1.00 | 91.038 | 0.010 | 0.32 | 0.0108 |
| CO-3095 | MH-3095 | MH-3096 | 471.17 | 470.02 | 469.69 | 150.0 | 30 | 1.04 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3096 | MH-3096 | MH-3097 | 470.92 | 469.69 | 469.38 | 150.0 | 27 | 1.04 | 83.402 | 0.010 | 0.46 | 0.0324 |
| CO-3097 | MH-3097 | MH-3098 | 470.53 | 469.38 | 469.02 | 150.0 | 26 | 1.00 | 72.834 | 0.010 | 0.53 | 0.0432 |
| CO-4628 | MH-4560 | MH-4561 | 469.72 | 468.57 | 468.48 | 150.0 | 47 | 1.19 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4629 | MH-4561 | MH-3098 | 470.00 | 468.48 | 468.09 | 150.0 | 36 | 1.66 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3098 | MH-3098 | MH-3099 | 470.17 | 468.09 | 467.99 | 150.0 | 25 | 2.20 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-3099 | MH-3099 | MH-3093 | 470.61 | 467.99 | 467.95 | 150.0 | 12 | 2.71 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-4190 | MH-4171 | MH-4172 | 471.91 | 470.76 | 470.42 | 150.0 | 34 | 1.00 | 97.965 | 0.010 | 0.31 | 0.0108 |
| CO-4796 | MH-4696 | MH-4703 | 476.86 | 475.71 | 475.44 | 150.0 | 36 | 1.00 | 133.057 | 0.010 | 0.28 | 0.0105 |
| CO-4797 | MH-4703 | MH-4694 | 476.59 | 475.44 | 475.07 | 150.0 | 34 | 1.06 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4794 | MH-4691 | MH-4702 | 477.08 | 475.93 | 475.69 | 150.0 | 36 | 1.00 | 152.400 | 0.010 | 0.27 | 0.0105 |
| CO-4795 | MH-4702 | MH-4692 | 476.84 | 475.69 | 475.30 | 150.0 | 35 | 1.08 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4792 | MH-4689 | MH-4701 | 477.65 | 476.50 | 476.33 | 150.0 | 35 | 1.00 | 211.995 | 0.010 | 0.24 | 0.0105 |
| CO-4793 | MH-4701 | MH-4690 | 477.48 | 476.33 | 475.94 | 150.0 | 36 | 1.11 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4779 | MH-4693 | MH-4682 | 478.47 | 477.05 | 476.74 | 150.0 | 22 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0105 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4780 | MH-4682 | MH-4688 | 477.89 | 476.58 | 476.15 | 150.0 | 30 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0210 |
| CO-4790 | MH-4687 | MH-4700 | 477.69 | 476.54 | 476.34 | 150.0 | 37 | 1.00 | 183.985 | 0.010 | 0.25 | 0.0105 |
| CO-4791 | MH-4700 | MH-4688 | 477.49 | 476.34 | 475.96 | 150.0 | 34 | 1.10 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4781 | MH-4688 | MH-4690 | 477.30 | 475.96 | 475.81 | 150.0 | 30 | 1.27 | 195.039 | 0.010 | 0.40 | 0.0525 |
| CO-4782 | MH-4690 | MH-4692 | 477.32 | 475.81 | 475.30 | 150.0 | 45 | 1.26 | 89.151 | 0.010 | 0.60 | 0.0841 |
| CO-4783 | MH-4692 | MH-4694 | 476.61 | 475.30 | 475.07 | 150.0 | 27 | 1.14 | 118.033 | 0.010 | 0.60 | 0.1156 |
| CO-4784 | MH-4694 | MH-4695 | 476.34 | 475.07 | 474.77 | 150.0 | 28 | 1.06 | 92.901 | 0.010 | 0.70 | 0.1471 |
| CO-4798 | MH-4695 | MH-4704 | 475.92 | 474.22 | 473.90 | 150.0 | 48 | 1.76 | 146.751 | 0.010 | 0.61 | 0.1576 |
| CO-4799 | MH-4704 | MH-3049 | 476.02 | 473.90 | 473.79 | 150.0 | 51 | 2.08 | 500.000 | 0.010 | 0.40 | 0.1681 |
| CO-3036 | MH-3036 | MH-3037 | 478.49 | 477.34 | 477.22 | 150.0 | 20 | 1.00 | 170.509 | 0.010 | 0.26 | 0.0108 |
| CO-3037 | MH-3037 | MH-3038 | 478.37 | 477.22 | 476.81 | 150.0 | 38 | 1.04 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4772 | MH-4677 | MH-4685 | 478.45 | 477.30 | 477.23 | 150.0 | 32 | 1.12 | 500.000 | 0.010 | 0.18 | 0.0105 |
| CO-4774 | MH-4685 | MH-4680 | 478.63 | 477.23 | 476.87 | 150.0 | 32 | 1.27 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4766 | MH-4678 | MH-4679 | 478.34 | 477.19 | 476.90 | 150.0 | 26 | 1.00 | 90.389 | 0.010 | 0.32 | 0.0105 |
| CO-4768 | MH-4681 | MH-4679 | 478.05 | 476.55 | 476.90 | 150.0 | 31 | 1.17 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4767 | MH-4680 | MH-4681 | 478.31 | 476.28 | 476.55 | 150.0 | 34 | 1.61 | 125.303 | 0.010 | 0.40 | 0.0315 |
| CO-4775 | MH-4680 | MH-3038 | 478.31 | 476.28 | 476.16 | 150.0 | 29 | 1.81 | 226.583 | 0.010 | 0.40 | 0.0631 |
| CO-3042 | MH-3038 | MH-3043 | 478.04 | 476.16 | 476.09 | 150.0 | 23 | 1.68 | 320.963 | 0.010 | 0.40 | 0.0955 |
| CO-3043 | MH-3043 | MH-3044 | 477.86 | 476.09 | 476.00 | 150.0 | 30 | 1.52 | 352.394 | 0.010 | 0.40 | 0.1063 |
| CO-3044 | MH-3044 | MH-3045 | 477.56 | 476.00 | 475.92 | 150.0 | 29 | 1.35 | 377.048 | 0.010 | 0.40 | 0.1171 |
| CO-3045 | MH-3045 | MH-3046 | 477.35 | 475.92 | 475.85 | 150.0 | 30 | 1.19 | 406.284 | 0.010 | 0.40 | 0.1279 |
| CO-3046 | MH-3046 | MH-3047 | 477.10 | 475.85 | 475.66 | 150.0 | 30 | 1.05 | 156.979 | 0.010 | 0.57 | 0.1387 |
| CO-3047 | MH-3047 | MH-3048 | 476.81 | 475.66 | 475.31 | 150.0 | 34 | 1.00 | 96.406 | 0.010 | 0.70 | 0.1495 |
| CO-3048 | MH-3048 | MH-3049 | 476.46 | 475.31 | 474.98 | 150.0 | 27 | 1.00 | 82.268 | 0.010 | 0.75 | 0.1603 |
| CO-3049 | MH-3049 | MH-3050 | 476.13 | 473.79 | 473.73 | 150.0 | 30 | 2.01 | 500.000 | 0.010 | 0.49 | 0.3393 |
| CO-3050 | MH-3050 | MH-3051 | 475.72 | 473.73 | 473.67 | 150.0 | 30 | 1.65 | 500.000 | 0.010 | 0.49 | 0.3501 |
| CO-3051 | MH-3051 | MH-3052 | 475.29 | 473.67 | 473.61 | 150.0 | 30 | 1.27 | 500.000 | 0.010 | 0.49 | 0.3609 |
| CO-3052 | MH-3052 | MH-3053 | 474.83 | 473.61 | 473.31 | 150.0 | 22 | 1.04 | 71.291 | 0.010 | 1.01 | 0.3717 |
| CO-3085 | MH-3053 | MH-3085 | 474.47 | 473.31 | 472.98 | 150.0 | 23 | 1.01 | 70.000 | 0.010 | 1.02 | 0.3825 |
| CO-3086 | MH-3085 | MH-3086 | 474.13 | 472.95 | 472.70 | 150.0 | 18 | 1.02 | 70.000 | 0.010 | 1.03 | 0.3933 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3087 | MH-3086 | MH-3087 | 473.85 | 472.65 | 472.26 | 150.0 | 27 | 1.02 | 70.000 | 0.010 | 1.04 | 0.4042 |
| CO-3088 | MH-3087 | MH-3088 | 473.41 | 472.19 | 471.75 | 150.0 | 31 | 1.03 | 70.000 | 0.010 | 1.05 | 0.4150 |
| CO-3089 | MH-3088 | MH-3089 | 472.90 | 471.75 | 471.70 | 150.0 | 27 | 1.37 | 500.000 | 0.010 | 0.51 | 0.4258 |
| CO-3090 | MH-3089 | MH-3090 | 473.58 | 470.71 | 470.55 | 300.0 | 31 | 1.74 | 200.000 | 0.011 | 1.20 | 4.3087 |
| CO-4188 | MH-3090 | MH-4172 | 471.77 | 470.45 | 470.36 | 300.0 | 17 | 0.97 | 200.000 | 0.011 | 1.20 | 4.3195 |
| CO-4189 | MH-4172 | MH-3091 | 471.57 | 470.27 | 470.20 | 300.0 | 13 | 0.96 | 200.000 | 0.011 | 1.20 | 4.3411 |
| CO-3092 | MH-3091 | MH-3092 | 471.42 | 470.12 | 469.95 | 300.0 | 34 | 0.96 | 200.000 | 0.011 | 1.21 | 4.3519 |
| CO-4186 | MH-4169 | MH-4170 | 472.83 | 471.57 | 471.33 | 150.0 | 17 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4187 | MH-4170 | MH-3958 | 472.48 | 471.23 | 470.84 | 150.0 | 27 | 1.05 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3952 | MH-3958 | MH-3959 | 471.99 | 470.68 | 470.42 | 150.0 | 18 | 1.08 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3953 | MH-3959 | MH-3957 | 471.57 | 470.42 | 470.13 | 150.0 | 30 | 1.00 | 102.603 | 0.010 | 0.47 | 0.0432 |
| CO-3932 | MH-3939 | MH-3938 | 473.00 | 471.82 | 471.65 | 150.0 | 12 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3930 | MH-3936 | MH-3937 | 473.66 | 472.22 | 471.90 | 150.0 | 23 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3931 | MH-3937 | MH-3938 | 473.05 | 471.90 | 471.65 | 150.0 | 20 | 1.00 | 80.877 | 0.010 | 0.41 | 0.0216 |
| CO-3933 | MH-3938 | MH-3940 | 472.80 | 471.47 | 471.32 | 150.0 | 10 | 1.09 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3934 | MH-3940 | MH-3941 | 472.47 | 471.26 | 470.84 | 150.0 | 30 | 1.03 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3935 | MH-3941 | MH-3935 | 471.99 | 470.84 | 470.71 | 150.0 | 10 | 1.00 | 75.754 | 0.010 | 0.59 | 0.0649 |
| CO-3925 | MH-3931 | MH-3932 | 473.99 | 472.80 | 472.48 | 150.0 | 22 | 1.02 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3926 | MH-3932 | MH-3933 | 473.63 | 472.26 | 471.83 | 150.0 | 30 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3927 | MH-3933 | MH-3934 | 472.98 | 471.50 | 471.07 | 150.0 | 30 | 1.17 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3928 | MH-3934 | MH-3930 | 472.22 | 471.07 | 470.96 | 150.0 | 12 | 1.00 | 102.410 | 0.010 | 0.47 | 0.0432 |
| CO-3902 | MH-3909 | MH-3908 | 475.16 | 473.52 | 473.11 | 150.0 | 29 | 1.25 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3890 | MH-3897 | MH-3898 | 476.72 | 475.17 | 474.83 | 150.0 | 23 | 1.20 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3893 | MH-3900 | MH-3901 | 476.75 | 475.53 | 475.21 | 150.0 | 22 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3894 | MH-3901 | MH-3902 | 476.36 | 475.21 | 474.89 | 150.0 | 30 | 1.08 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3895 | MH-3902 | MH-3898 | 476.20 | 474.89 | 474.39 | 150.0 | 36 | 1.30 | 71.481 | 0.010 | 0.49 | 0.0324 |
| CO-3891 | MH-3898 | MH-3899 | 475.98 | 474.39 | 473.90 | 150.0 | 34 | 1.22 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-3892 | MH-3899 | MH-3896 | 475.05 | 473.78 | 473.44 | 150.0 | 24 | 1.06 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4168 | MH-4152 | MH-4149 | 475.03 | 473.88 | 473.84 | 150.0 | 19 | 1.02 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4162 | MH-4147 | MH-4148 | 475.88 | 474.44 | 474.24 | 150.0 | 14 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4163 | MH-4148 | MH-4149 | 475.39 | 474.17 | 473.89 | 150.0 | 20 | 1.03 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4164 | MH-4149 | MH-4150 | 475.04 | 473.84 | 473.79 | 150.0 | 9 | 1.05 | 158.202 | 0.010 | 0.41 | 0.0432 |
| CO-4167 | MH-4150 | MH-4151 | 474.99 | 473.79 | 473.52 | 150.0 | 19 | 1.03 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4158 | MH-4144 | MH-4143 | 474.86 | 473.71 | 473.54 | 150.0 | 15 | 1.03 | 88.951 | 0.010 | 0.32 | 0.0108 |
| CO-4155 | MH-4140 | MH-4141 | 476.27 | 474.88 | 474.67 | 150.0 | 15 | 1.12 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4156 | MH-4141 | MH-4142 | 475.82 | 474.09 | 473.85 | 150.0 | 16 | 1.29 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4157 | MH-4142 | MH-4143 | 475.00 | 473.76 | 473.60 | 150.0 | 11 | 1.05 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4159 | MH-4143 | MH-4145 | 474.75 | 473.54 | 473.32 | 150.0 | 16 | 1.03 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4160 | MH-4145 | MH-4146 | 474.47 | 473.32 | 473.26 | 150.0 | 12 | 1.13 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4161 | MH-4146 | MH-3895 | 474.67 | 473.26 | 473.23 | 150.0 | 8 | 1.25 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-3884 | MH-3891 | MH-3892 | 477.38 | 476.05 | 475.77 | 150.0 | 19 | 1.09 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3885 | MH-3892 | MH-3893 | 476.92 | 475.24 | 474.81 | 150.0 | 30 | 1.27 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3886 | MH-3893 | MH-3894 | 475.96 | 474.34 | 473.90 | 150.0 | 30 | 1.24 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3887 | MH-3894 | MH-3890 | 475.05 | 473.90 | 473.50 | 150.0 | 31 | 1.00 | 77.174 | 0.010 | 0.52 | 0.0432 |
| CO-3879 | MH-3885 | MH-3886 | 477.97 | 476.82 | 476.40 | 150.0 | 30 | 1.00 | 72.490 | 0.010 | 0.35 | 0.0108 |
| CO-3880 | MH-3886 | MH-3887 | 477.55 | 476.10 | 475.66 | 150.0 | 30 | 1.15 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3881 | MH-3887 | MH-3888 | 476.81 | 474.58 | 474.05 | 150.0 | 37 | 1.54 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-3882 | MH-3888 | MH-3889 | 475.20 | 473.68 | 473.11 | 150.0 | 40 | 1.18 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-3883 | MH-3889 | MH-3890 | 474.26 | 473.11 | 473.00 | 150.0 | 23 | 1.25 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-3888 | MH-3890 | MH-3895 | 474.65 | 473.00 | 472.93 | 150.0 | 22 | 1.52 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4165 | MH-3895 | MH-4151 | 474.63 | 472.93 | 472.89 | 150.0 | 20 | 1.59 | 500.000 | 0.010 | 0.42 | 0.1946 |
| CO-4166 | MH-4151 | MH-3896 | 474.67 | 472.89 | 472.85 | 150.0 | 21 | 1.61 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-3896 | MH-3896 | MH-3903 | 474.59 | 472.85 | 472.80 | 150.0 | 27 | 1.65 | 500.000 | 0.010 | 0.48 | 0.3351 |
| CO-3897 | MH-3903 | MH-3904 | 474.67 | 472.80 | 472.74 | 150.0 | 27 | 1.63 | 500.000 | 0.010 | 0.49 | 0.3459 |
| CO-3898 | MH-3904 | MH-3905 | 474.44 | 472.74 | 472.70 | 150.0 | 20 | 1.51 | 500.000 | 0.010 | 0.49 | 0.3567 |
| CO-3899 | MH-3906 | MH-3907 | 475.86 | 474.43 | 474.09 | 150.0 | 24 | 1.14 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3900 | MH-3907 | MH-3905 | 475.24 | 473.66 | 473.17 | 150.0 | 34 | 1.21 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3901 | MH-3905 | MH-3908 | 474.32 | 472.70 | 472.65 | 150.0 | 26 | 1.47 | 500.000 | 0.010 | 0.50 | 0.3891 |
| CO-3903 | MH-3908 | MH-3910 | 474.26 | 472.65 | 472.50 | 150.0 | 42 | 1.23 | 268.876 | 0.010 | 0.64 | 0.4108 |
| CO-3904 | MH-3911 | MH-3910 | 474.29 | 472.83 | 472.50 | 150.0 | 23 | 1.15 | 70.000 | 0.010 | 0.35 | 0.0108 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3905 | MH-3910 | MH-3912 | 473.65 | 472.50 | 472.37 | 150.0 | 28 | 1.00 | 226.202 | 0.010 | 0.69 | 0.4324 |
| CO-3915 | MH-3923 | MH-3921 | 472.55 | 471.40 | 470.95 | 150.0 | 34 | 1.71 | 77.184 | 0.010 | 0.34 | 0.0108 |
| CO-3912 | MH-3920 | MH-3919 | 472.70 | 471.55 | 471.49 | 150.0 | 30 | 1.39 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3908 | MH-3916 | MH-3915 | 472.66 | 471.51 | 471.45 | 150.0 | 30 | 1.43 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3907 | MH-3914 | MH-3915 | 473.31 | 472.16 | 472.13 | 150.0 | 14 | 1.09 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3909 | MH-3915 | MH-3917 | 473.46 | 471.45 | 471.21 | 150.0 | 30 | 1.96 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3910 | MH-3918 | MH-3917 | 472.90 | 471.75 | 471.69 | 150.0 | 31 | 1.29 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3911 | MH-3917 | MH-3919 | 473.42 | 471.21 | 471.07 | 150.0 | 29 | 2.13 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-3913 | MH-3919 | MH-3921 | 473.41 | 471.07 | 470.95 | 150.0 | 31 | 2.30 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-3916 | MH-3921 | MH-3912 | 473.52 | 470.95 | 470.84 | 150.0 | 36 | 2.47 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-3917 | MH-3912 | MH-3924 | 473.52 | 470.84 | 470.79 | 150.0 | 25 | 2.43 | 500.000 | 0.010 | 0.54 | 0.5405 |
| CO-3918 | MH-3924 | MH-3925 | 473.27 | 470.79 | 470.75 | 150.0 | 19 | 2.20 | 500.000 | 0.010 | 0.55 | 0.5513 |
| CO-3920 | MH-3925 | MH-3927 | 472.98 | 470.75 | 470.69 | 150.0 | 31 | 1.97 | 500.000 | 0.010 | 0.55 | 0.5621 |
| CO-3922 | MH-3927 | MH-3929 | 472.72 | 470.69 | 470.63 | 150.0 | 30 | 1.77 | 500.000 | 0.010 | 0.55 | 0.5729 |
| CO-4626 | MH-4558 | MH-4559 | 471.66 | 470.51 | 470.44 | 150.0 | 37 | 1.25 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4627 | MH-4559 | MH-3929 | 472.08 | 470.44 | 470.06 | 150.0 | 35 | 1.87 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3923 | MH-3929 | MH-3884 | 472.45 | 470.06 | 470.03 | 150.0 | 13 | 2.21 | 500.000 | 0.010 | 0.56 | 0.6053 |
| CO-3871 | MH-3877 | MH-3878 | 475.74 | 474.38 | 474.02 | 150.0 | 25 | 1.10 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3872 | MH-3878 | MH-3879 | 475.17 | 473.90 | 473.34 | 150.0 | 39 | 1.06 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3873 | MH-3879 | MH-3880 | 474.49 | 473.34 | 473.11 | 150.0 | 30 | 1.00 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3874 | MH-3880 | MH-3881 | 474.27 | 473.11 | 472.81 | 150.0 | 29 | 1.00 | 99.381 | 0.010 | 0.48 | 0.0432 |
| CO-3875 | MH-3881 | MH-3882 | 473.96 | 472.81 | 472.44 | 150.0 | 30 | 1.00 | 80.997 | 0.010 | 0.55 | 0.0540 |
| CO-3876 | MH-3882 | MH-3876 | 473.59 | 472.44 | 472.35 | 150.0 | 21 | 1.03 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-3869 | MH-3875 | MH-3874 | 474.52 | 473.11 | 472.79 | 150.0 | 23 | 1.13 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3863 | MH-3869 | MH-3868 | 476.43 | 475.28 | 475.22 | 150.0 | 27 | 1.00 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3855 | MH-3860 | MH-3861 | 477.77 | 476.62 | 476.45 | 150.0 | 23 | 1.00 | 139.868 | 0.010 | 0.28 | 0.0108 |
| CO-3856 | MH-3861 | MH-3862 | 477.60 | 476.45 | 476.16 | 150.0 | 27 | 1.06 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3857 | MH-3862 | MH-3863 | 477.43 | 476.16 | 475.92 | 150.0 | 30 | 1.15 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-3858 | MH-3863 | MH-3864 | 477.23 | 475.92 | 475.71 | 150.0 | 30 | 1.08 | 144.783 | 0.010 | 0.42 | 0.0432 |
| CO-3859 | MH-3864 | MH-3865 | 476.86 | 475.71 | 475.56 | 150.0 | 31 | 1.04 | 201.680 | 0.010 | 0.40 | 0.0540 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3860 | MH-3865 | MH-3866 | 476.78 | 475.56 | 475.15 | 150.0 | 32 | 1.04 | 79.218 | 0.010 | 0.58 | 0.0649 |
| CO-4171 | MH-4155 | MH-4156 | 475.98 | 474.83 | 474.75 | 150.0 | 15 | 1.01 | 203.085 | 0.010 | 0.24 | 0.0108 |
| CO-4172 | MH-4156 | MH-4157 | 475.93 | 474.75 | 474.50 | 150.0 | 18 | 1.01 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4173 | MH-4157 | MH-4154 | 475.65 | 474.50 | 474.37 | 150.0 | 16 | 1.02 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4177 | MH-4162 | MH-4161 | 475.28 | 474.12 | 473.93 | 150.0 | 14 | 1.00 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4175 | MH-4159 | MH-4160 | 475.07 | 473.92 | 473.90 | 150.0 | 11 | 1.08 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4176 | MH-4160 | MH-4161 | 475.22 | 473.90 | 473.74 | 150.0 | 15 | 1.18 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4178 | MH-4161 | MH-4158 | 475.08 | 473.74 | 473.60 | 150.0 | 23 | 1.32 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4174 | MH-4154 | MH-4158 | 475.57 | 473.51 | 473.60 | 150.0 | 19 | 1.68 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4170 | MH-4153 | MH-4154 | 475.71 | 473.47 | 473.51 | 150.0 | 12 | 2.00 | 325.866 | 0.010 | 0.40 | 0.0973 |
| CO-4169 | MH-3866 | MH-4153 | 476.30 | 473.44 | 473.47 | 150.0 | 12 | 2.40 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-3861 | MH-3866 | MH-3867 | 476.30 | 473.44 | 473.39 | 150.0 | 24 | 2.59 | 500.000 | 0.010 | 0.41 | 0.1838 |
| CO-3862 | MH-3867 | MH-3868 | 475.99 | 473.39 | 473.33 | 150.0 | 30 | 2.68 | 500.000 | 0.010 | 0.42 | 0.1946 |
| CO-3864 | MH-3868 | MH-3870 | 476.38 | 473.33 | 473.27 | 150.0 | 30 | 2.41 | 500.000 | 0.010 | 0.43 | 0.2162 |
| CO-3865 | MH-3870 | MH-3871 | 475.34 | 473.27 | 473.21 | 150.0 | 30 | 1.75 | 500.000 | 0.010 | 0.44 | 0.2270 |
| CO-3866 | MH-3871 | MH-3872 | 474.94 | 473.21 | 473.15 | 150.0 | 30 | 1.36 | 500.000 | 0.010 | 0.44 | 0.2378 |
| CO-3867 | MH-3872 | MH-3873 | 474.43 | 473.15 | 472.80 | 150.0 | 30 | 1.07 | 86.993 | 0.010 | 0.84 | 0.2486 |
| CO-3868 | MH-3873 | MH-3874 | 473.95 | 472.80 | 472.77 | 150.0 | 17 | 1.01 | 500.000 | 0.010 | 0.45 | 0.2594 |
| CO-3870 | MH-3874 | MH-3876 | 473.94 | 472.77 | 472.40 | 150.0 | 26 | 1.01 | 70.579 | 0.010 | 0.94 | 0.2810 |
| CO-3877 | MH-3876 | MH-3883 | 473.55 | 472.35 | 472.01 | 150.0 | 24 | 1.03 | 70.234 | 0.010 | 1.00 | 0.3567 |
| CO-3878 | MH-3883 | MH-3884 | 473.16 | 471.57 | 471.21 | 150.0 | 25 | 1.22 | 70.000 | 0.010 | 1.02 | 0.3675 |
| CO-3924 | MH-3884 | MH-3930 | 472.36 | 470.03 | 469.95 | 150.0 | 14 | 2.09 | 170.000 | 0.010 | 0.94 | 0.9836 |
| CO-3929 | MH-3930 | MH-3935 | 472.11 | 469.95 | 469.83 | 150.0 | 20 | 1.94 | 170.000 | 0.010 | 0.95 | 1.0377 |
| CO-3936 | MH-3935 | MH-3942 | 471.86 | 469.83 | 469.77 | 150.0 | 12 | 1.84 | 170.000 | 0.010 | 0.96 | 1.1134 |
| CO-3941 | MH-3942 | MH-3947 | 471.73 | 469.77 | 469.67 | 150.0 | 16 | 1.80 | 170.000 | 0.010 | 0.97 | 1.1242 |
| CO-3943 | MH-3950 | MH-3951 | 473.34 | 472.05 | 471.71 | 150.0 | 24 | 1.07 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3944 | MH-3951 | MH-3949 | 472.86 | 471.53 | 471.26 | 150.0 | 18 | 1.09 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3945 | MH-3952 | MH-3949 | 472.03 | 470.88 | 470.84 | 150.0 | 22 | 1.21 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-3942 | MH-3948 | MH-3949 | 472.70 | 471.49 | 471.26 | 150.0 | 16 | 1.03 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-3946 | MH-3949 | MH-3953 | 472.41 | 470.84 | 470.75 | 150.0 | 16 | 1.29 | 201.680 | 0.010 | 0.40 | 0.0540 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3947 | MH-3953 | MH-3954 | 472.05 | 470.75 | 470.69 | 150.0 | 15 | 1.12 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-3948 | MH-3954 | MH-3947 | 471.93 | 470.69 | 470.47 | 150.0 | 20 | 1.05 | 87.691 | 0.010 | 0.59 | 0.0757 |
| CO-3949 | MH-3947 | MH-3955 | 471.62 | 469.67 | 469.58 | 150.0 | 16 | 1.71 | 170.000 | 0.010 | 0.97 | 1.2106 |
| CO-3951 | MH-3955 | MH-3957 | 471.35 | 469.58 | 469.50 | 150.0 | 12 | 1.63 | 170.000 | 0.010 | 0.98 | 1.2214 |
| CO-3954 | MH-3957 | MH-3960 | 471.28 | 469.50 | 469.40 | 150.0 | 17 | 1.63 | 170.000 | 0.010 | 0.98 | 1.2755 |
| CO-3955 | MH-3960 | MH-3092 | 471.18 | 469.40 | 469.26 | 150.0 | 25 | 1.69 | 170.000 | 0.010 | 0.98 | 1.2863 |
| CO-3093 | MH-3092 | MH-3093 | 471.16 | 469.06 | 469.03 | 350.0 | 11 | 1.72 | 500.000 | 0.011 | 0.90 | 5.6491 |
| CO-3100 | MH-3093 | MH-3100 | 471.06 | 467.75 | 467.73 | 350.0 | 12 | 2.94 | 500.000 | 0.011 | 0.90 | 5.7463 |
| CO-4181 | MH-4166 | MH-4165 | 472.05 | 470.80 | 470.47 | 150.0 | 23 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4179 | MH-4163 | MH-4164 | 472.23 | 470.90 | 470.60 | 150.0 | 21 | 1.09 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4180 | MH-4164 | MH-4165 | 471.75 | 470.60 | 470.43 | 150.0 | 16 | 1.02 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4182 | MH-4165 | MH-3946 | 471.62 | 470.43 | 470.16 | 150.0 | 29 | 1.02 | 111.415 | 0.010 | 0.46 | 0.0432 |
| CO-4729 | MH-3946 | MH-4647 | 471.31 | 470.16 | 470.49 | 150.0 | 23 | 1.04 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4183 | MH-3946 | MH-4167 | 471.31 | 470.16 | 470.00 | 150.0 | 37 | 1.00 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4184 | MH-4167 | MH-4168 | 471.16 | 470.00 | 469.85 | 150.0 | 22 | 1.00 | 142.748 | 0.010 | 0.50 | 0.0757 |
| CO-4185 | MH-4168 | MH-3100 | 471.00 | 469.85 | 469.75 | 150.0 | 31 | 1.05 | 294.717 | 0.010 | 0.40 | 0.0865 |
| CO-3101 | MH-3100 | MH-3101 | 471.00 | 467.73 | 467.66 | 350.0 | 32 | 2.91 | 500.000 | 0.011 | 0.90 | 5.8436 |
| CO-3102 | MH-3101 | MH-3102 | 470.91 | 467.66 | 467.60 | 350.0 | 30 | 2.79 | 500.000 | 0.011 | 0.90 | 5.8544 |
| CO-4221 | MH-3102 | MH-4205 | 470.63 | 467.60 | 467.58 | 350.0 | 12 | 2.63 | 500.000 | 0.011 | 0.90 | 5.8652 |
| CO-3850 | MH-3854 | MH-3855 | 471.48 | 470.33 | 470.19 | 150.0 | 41 | 1.00 | 311.328 | 0.010 | 0.21 | 0.0108 |
| CO-3851 | MH-3855 | MH-3856 | 471.34 | 470.19 | 469.86 | 150.0 | 31 | 1.22 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-3852 | MH-3856 | MH-3857 | 471.44 | 469.86 | 469.70 | 150.0 | 21 | 1.36 | 128.342 | 0.010 | 0.40 | 0.0324 |
| CO-4554 | MH-4487 | MH-4488 | 472.04 | 470.63 | 470.36 | 150.0 | 19 | 1.13 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4555 | MH-4488 | MH-3857 | 471.51 | 470.21 | 469.99 | 150.0 | 15 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-3853 | MH-3857 | MH-3858 | 471.14 | 469.70 | 469.53 | 150.0 | 39 | 1.46 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-3854 | MH-3858 | MH-3859 | 471.32 | 469.53 | 469.44 | 150.0 | 23 | 1.80 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-4613 | MH-4547 | MH-4548 | 474.22 | 472.83 | 472.40 | 150.0 | 30 | 1.12 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4614 | MH-4548 | MH-4549 | 473.55 | 472.28 | 471.86 | 150.0 | 29 | 1.06 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4615 | MH-4549 | MH-4550 | 473.01 | 471.86 | 471.40 | 150.0 | 34 | 1.00 | 74.397 | 0.010 | 0.48 | 0.0324 |
| CO-4616 | MH-4550 | MH-4551 | 472.55 | 471.15 | 470.66 | 150.0 | 35 | 1.12 | 70.000 | 0.010 | 0.54 | 0.0432 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4617 | MH-4551 | MH-4552 | 471.81 | 470.66 | 470.50 | 150.0 | 32 | 1.11 | 201.680 | 0.010 | 0.40 | 0.0540 |
| CO-4618 | MH-4552 | MH-4553 | 471.86 | 470.50 | 470.39 | 150.0 | 25 | 1.37 | 232.037 | 0.010 | 0.40 | 0.0649 |
| CO-4619 | MH-4553 | MH-4554 | 472.07 | 470.39 | 470.26 | 150.0 | 34 | 1.34 | 262.798 | 0.010 | 0.40 | 0.0757 |
| CO-4620 | MH-4554 | MH-4555 | 471.55 | 470.26 | 470.10 | 150.0 | 28 | 1.07 | 178.677 | 0.010 | 0.48 | 0.0865 |
| CO-4621 | MH-4555 | MH-4556 | 471.25 | 470.10 | 469.90 | 150.0 | 17 | 1.00 | 86.744 | 0.010 | 0.64 | 0.0973 |
| CO-4622 | MH-4556 | MH-4557 | 471.05 | 469.90 | 469.81 | 150.0 | 31 | 1.28 | 355.865 | 0.010 | 0.40 | 0.1081 |
| CO-4623 | MH-4557 | MH-4546 | 471.52 | 469.81 | 469.73 | 150.0 | 31 | 1.98 | 382.338 | 0.010 | 0.40 | 0.1189 |
| CO-4756 | MH-4668 | MH-4669 | 474.29 | 473.14 | 472.92 | 150.0 | 19 | 1.00 | 87.284 | 0.010 | 0.32 | 0.0105 |
| CO-4757 | MH-4669 | MH-4655 | 474.07 | 472.68 | 472.29 | 150.0 | 27 | 1.12 | 70.000 | 0.010 | 0.43 | 0.0210 |
| CO-4741 | MH-4653 | MH-4654 | 472.67 | 471.52 | 471.48 | 150.0 | 20 | 1.16 | 500.000 | 0.010 | 0.18 | 0.0105 |
| CO-4742 | MH-4654 | MH-4655 | 472.95 | 471.48 | 471.20 | 150.0 | 26 | 1.71 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4746 | MH-4661 | MH-4662 | 477.60 | 476.29 | 475.84 | 150.0 | 31 | 1.08 | 70.000 | 0.010 | 0.35 | 0.0105 |
| CO-4747 | MH-4662 | MH-4663 | 476.99 | 475.84 | 475.60 | 150.0 | 22 | 1.04 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4748 | MH-4663 | MH-4664 | 476.83 | 474.32 | 473.85 | 150.0 | 33 | 1.68 | 70.000 | 0.010 | 0.49 | 0.0315 |
| CO-4749 | MH-4664 | MH-4665 | 475.00 | 473.85 | 473.52 | 150.0 | 39 | 1.00 | 117.302 | 0.010 | 0.45 | 0.0420 |
| CO-4750 | MH-4665 | MH-4666 | 474.67 | 472.83 | 472.30 | 150.0 | 37 | 1.35 | 70.000 | 0.010 | 0.57 | 0.0525 |
| CO-4751 | MH-4666 | MH-4660 | 473.45 | 472.30 | 472.17 | 150.0 | 30 | 1.08 | 226.583 | 0.010 | 0.40 | 0.0631 |
| CO-4745 | MH-4659 | MH-4660 | 472.95 | 471.80 | 471.75 | 150.0 | 27 | 1.29 | 500.000 | 0.010 | 0.18 | 0.0105 |
| CO-4762 | MH-4674 | MH-4675 | 475.53 | 473.72 | 473.40 | 150.0 | 22 | 1.33 | 70.000 | 0.010 | 0.35 | 0.0105 |
| CO-4763 | MH-4675 | MH-4676 | 474.55 | 473.17 | 472.90 | 150.0 | 19 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0210 |
| CO-4764 | MH-4676 | MH-4660 | 474.05 | 472.58 | 472.32 | 150.0 | 18 | 1.16 | 70.000 | 0.010 | 0.49 | 0.0315 |
| CO-4752 | MH-4660 | MH-4667 | 473.47 | 471.75 | 471.67 | 150.0 | 28 | 1.65 | 372.501 | 0.010 | 0.40 | 0.1156 |
| CO-4760 | MH-4672 | MH-4673 | 474.72 | 473.10 | 472.70 | 150.0 | 28 | 1.24 | 70.000 | 0.010 | 0.35 | 0.0105 |
| CO-4761 | MH-4673 | MH-4667 | 473.85 | 472.67 | 472.39 | 150.0 | 20 | 1.02 | 70.000 | 0.010 | 0.43 | 0.0210 |
| CO-4753 | MH-4667 | MH-4658 | 473.54 | 471.67 | 471.60 | 150.0 | 32 | 1.88 | 458.171 | 0.010 | 0.40 | 0.1471 |
| CO-4743 | MH-4656 | MH-4657 | 471.99 | 470.84 | 470.77 | 150.0 | 34 | 1.46 | 500.000 | 0.010 | 0.18 | 0.0105 |
| CO-4744 | MH-4657 | MH-4658 | 472.85 | 470.77 | 470.50 | 150.0 | 24 | 2.53 | 90.582 | 0.010 | 0.40 | 0.0210 |
| CO-4758 | MH-4670 | MH-4671 | 474.51 | 473.25 | 472.90 | 150.0 | 25 | 1.05 | 70.000 | 0.010 | 0.35 | 0.0105 |
| CO-4759 | MH-4671 | MH-4658 | 474.05 | 472.90 | 472.63 | 150.0 | 22 | 1.00 | 82.409 | 0.010 | 0.41 | 0.0210 |
| CO-4754 | MH-4658 | MH-4655 | 473.78 | 470.50 | 470.44 | 150.0 | 30 | 2.99 | 500.000 | 0.010 | 0.42 | 0.1997 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4755 | MH-4655 | MH-4544 | 473.44 | 470.44 | 470.36 | 150.0 | 41 | 2.91 | 500.000 | 0.010 | 0.45 | 0.2522 |
| CO-4598 | MH-4534 | MH-4535 | 475.57 | 474.42 | 474.19 | 150.0 | 20 | 1.00 | 86.542 | 0.010 | 0.33 | 0.0108 |
| CO-4599 | MH-4535 | MH-4536 | 475.34 | 474.03 | 473.79 | 150.0 | 17 | 1.08 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4586 | MH-4520 | MH-4521 | 476.94 | 475.79 | 475.52 | 150.0 | 26 | 1.00 | 94.665 | 0.010 | 0.32 | 0.0108 |
| CO-4587 | MH-4521 | MH-4522 | 476.67 | 475.30 | 474.87 | 150.0 | 30 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4588 | MH-4522 | MH-4523 | 476.02 | 474.78 | 474.37 | 150.0 | 29 | 1.04 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4604 | MH-4523 | MH-4527 | 475.52 | 474.27 | 474.03 | 150.0 | 17 | 1.05 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4589 | MH-4524 | MH-4525 | 476.49 | 475.34 | 474.92 | 150.0 | 30 | 1.06 | 72.381 | 0.010 | 0.35 | 0.0108 |
| CO-4590 | MH-4525 | MH-4526 | 476.20 | 474.92 | 474.47 | 150.0 | 31 | 1.06 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4591 | MH-4526 | MH-4527 | 475.62 | 474.28 | 474.03 | 150.0 | 17 | 1.10 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4605 | MH-4527 | MH-4536 | 475.18 | 474.03 | 473.79 | 150.0 | 30 | 1.00 | 123.226 | 0.010 | 0.54 | 0.0865 |
| CO-4606 | MH-4536 | MH-4539 | 474.94 | 473.79 | 473.61 | 150.0 | 22 | 1.01 | 115.691 | 0.010 | 0.61 | 0.1189 |
| CO-4600 | MH-4537 | MH-4538 | 475.04 | 473.89 | 473.86 | 150.0 | 17 | 1.01 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4601 | MH-4538 | MH-4539 | 475.02 | 473.86 | 473.61 | 150.0 | 21 | 1.01 | 83.759 | 0.010 | 0.41 | 0.0216 |
| CO-4607 | MH-4539 | MH-4542 | 474.77 | 473.61 | 473.24 | 150.0 | 25 | 1.01 | 70.000 | 0.010 | 0.79 | 0.1513 |
| CO-4602 | MH-4540 | MH-4541 | 474.52 | 473.37 | 473.31 | 150.0 | 20 | 1.00 | 295.112 | 0.010 | 0.21 | 0.0108 |
| CO-4603 | MH-4541 | MH-4542 | 474.46 | 473.31 | 473.09 | 150.0 | 20 | 1.08 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4608 | MH-4542 | MH-4515 | 474.39 | 473.09 | 472.79 | 150.0 | 34 | 1.08 | 111.761 | 0.010 | 0.70 | 0.1838 |
| CO-4594 | MH-4532 | MH-4533 | 474.83 | 473.68 | 473.35 | 150.0 | 38 | 1.02 | 116.356 | 0.010 | 0.30 | 0.0108 |
| CO-4592 | MH-4528 | MH-4529 | 475.88 | 474.73 | 474.21 | 150.0 | 41 | 1.12 | 78.289 | 0.010 | 0.34 | 0.0108 |
| CO-4595 | MH-4529 | MH-4531 | 475.60 | 474.21 | 473.91 | 150.0 | 21 | 1.12 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4593 | MH-4530 | MH-4531 | 475.40 | 474.25 | 473.76 | 150.0 | 39 | 1.07 | 79.952 | 0.010 | 0.34 | 0.0108 |
| CO-4596 | MH-4531 | MH-4533 | 475.06 | 473.76 | 473.38 | 150.0 | 27 | 1.07 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4597 | MH-4533 | MH-4514 | 474.53 | 473.35 | 472.89 | 150.0 | 32 | 1.02 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4582 | MH-4516 | MH-4517 | 476.87 | 475.29 | 474.80 | 150.0 | 34 | 1.21 | 70.000 | 0.010 | 0.35 | 0.0108 |
| CO-4583 | MH-4517 | MH-4518 | 475.95 | 474.58 | 474.11 | 150.0 | 33 | 1.11 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4584 | MH-4518 | MH-4519 | 475.26 | 473.74 | 473.31 | 150.0 | 30 | 1.19 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4585 | MH-4519 | MH-4512 | 474.46 | 473.31 | 473.18 | 150.0 | 21 | 1.02 | 165.321 | 0.010 | 0.40 | 0.0432 |
| CO-4569 | MH-4506 | MH-4507 | 476.46 | 475.31 | 474.98 | 150.0 | 30 | 1.00 | 91.023 | 0.010 | 0.32 | 0.0108 |
| CO-4570 | MH-4507 | MH-4508 | 476.13 | 474.98 | 474.72 | 150.0 | 25 | 1.00 | 92.493 | 0.010 | 0.40 | 0.0216 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4564 | MH-4499 | MH-4498 | 478.13 | 476.98 | 476.86 | 150.0 | 10 | 1.00 | 83.754 | 0.010 | 0.33 | 0.0108 |
| CO-4562 | MH-4496 | MH-4497 | 478.29 | 477.14 | 477.08 | 150.0 | 31 | 1.05 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4563 | MH-4497 | MH-4498 | 478.32 | 477.08 | 476.78 | 150.0 | 28 | 1.09 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4573 | MH-4498 | MH-4502 | 478.01 | 476.62 | 476.19 | 150.0 | 30 | 1.12 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4565 | MH-4500 | MH-4501 | 477.61 | 476.46 | 476.40 | 150.0 | 30 | 1.13 | 500.000 | 0.010 | 0.18 | 0.0108 |
| CO-4566 | MH-4501 | MH-4502 | 477.80 | 476.40 | 476.09 | 150.0 | 28 | 1.18 | 92.493 | 0.010 | 0.40 | 0.0216 |
| CO-4574 | MH-4502 | MH-4505 | 477.34 | 475.87 | 475.42 | 150.0 | 31 | 1.16 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4567 | MH-4503 | MH-4504 | 477.08 | 475.93 | 475.76 | 150.0 | 28 | 1.00 | 162.603 | 0.010 | 0.26 | 0.0108 |
| CO-4568 | MH-4504 | MH-4505 | 476.91 | 475.76 | 475.42 | 150.0 | 29 | 1.00 | 86.148 | 0.010 | 0.41 | 0.0216 |
| CO-4575 | MH-4505 | MH-4508 | 476.57 | 475.14 | 474.73 | 150.0 | 29 | 1.14 | 70.000 | 0.010 | 0.71 | 0.1081 |
| CO-4576 | MH-4508 | MH-4510 | 475.88 | 474.56 | 474.12 | 150.0 | 31 | 1.08 | 70.000 | 0.010 | 0.77 | 0.1405 |
| CO-4571 | MH-4509 | MH-4510 | 475.85 | 474.70 | 474.12 | 150.0 | 49 | 1.00 | 84.650 | 0.010 | 0.33 | 0.0108 |
| CO-4577 | MH-4510 | MH-4511 | 475.27 | 473.90 | 473.29 | 150.0 | 42 | 1.11 | 70.000 | 0.010 | 0.80 | 0.1621 |
| CO-4556 | MH-4489 | MH-4490 | 478.53 | 477.38 | 477.16 | 150.0 | 17 | 1.00 | 77.338 | 0.010 | 0.34 | 0.0108 |
| CO-4557 | MH-4490 | MH-4491 | 478.31 | 477.09 | 476.64 | 150.0 | 32 | 1.03 | 70.000 | 0.010 | 0.43 | 0.0216 |
| CO-4558 | MH-4491 | MH-4492 | 477.79 | 476.40 | 475.98 | 150.0 | 29 | 1.12 | 70.000 | 0.010 | 0.49 | 0.0324 |
| CO-4559 | MH-4492 | MH-4493 | 477.13 | 475.89 | 475.41 | 150.0 | 34 | 1.05 | 70.000 | 0.010 | 0.54 | 0.0432 |
| CO-4560 | MH-4493 | MH-4494 | 476.56 | 475.33 | 474.91 | 150.0 | 30 | 1.04 | 70.000 | 0.010 | 0.58 | 0.0540 |
| CO-4561 | MH-4494 | MH-4495 | 476.06 | 474.78 | 474.22 | 150.0 | 39 | 1.07 | 70.000 | 0.010 | 0.61 | 0.0649 |
| CO-4572 | MH-4495 | MH-4511 | 475.37 | 473.99 | 473.29 | 150.0 | 49 | 1.11 | 70.000 | 0.010 | 0.64 | 0.0757 |
| CO-4578 | MH-4511 | MH-4512 | 474.44 | 473.29 | 473.18 | 150.0 | 14 | 1.02 | 119.041 | 0.010 | 0.75 | 0.2486 |
| CO-4579 | MH-4512 | MH-4513 | 474.37 | 473.18 | 472.98 | 150.0 | 27 | 1.02 | 130.972 | 0.010 | 0.77 | 0.3027 |
| CO-4580 | MH-4513 | MH-4514 | 474.13 | 472.98 | 472.89 | 150.0 | 17 | 1.00 | 198.293 | 0.010 | 0.67 | 0.3135 |
| CO-4581 | MH-4514 | MH-4515 | 474.04 | 472.89 | 472.79 | 150.0 | 42 | 1.00 | 421.408 | 0.010 | 0.54 | 0.3891 |
| CO-4609 | MH-4515 | MH-4543 | 473.94 | 472.79 | 472.72 | 150.0 | 34 | 1.02 | 500.000 | 0.010 | 0.55 | 0.5837 |
| CO-4610 | MH-4543 | MH-4544 | 473.91 | 472.72 | 472.34 | 150.0 | 31 | 1.02 | 82.657 | 0.010 | 1.09 | 0.5945 |
| CO-4611 | MH-4544 | MH-4545 | 473.49 | 470.36 | 470.18 | 150.0 | 31 | 2.81 | 170.000 | 0.010 | 0.92 | 0.8575 |
| CO-4612 | MH-4545 | MH-4546 | 472.97 | 470.18 | 470.01 | 150.0 | 29 | 2.38 | 170.000 | 0.010 | 0.92 | 0.8684 |
| CO-4624 | MH-4546 | MH-3859 | 472.29 | 469.71 | 469.42 | 170.0 | 37 | 2.18 | 126.466 | 0.010 | 1.07 | 0.9981 |
| CO-3997 | MH-3106 | MH-3859 | 471.29 | 469.35 | 469.42 | 170.0 | 12 | 1.86 | 170.000 | 0.010 | 0.97 | 1.0845 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3106 | MH-3105 | MH-3106 | 470.95 | 469.22 | 469.35 | 170.0 | 23 | 1.66 | 170.000 | 0.010 | 0.98 | 1.0953 |
| CO-3105 | MH-3104 | MH-3105 | 470.54 | 469.03 | 469.22 | 170.0 | 32 | 1.45 | 170.000 | 0.010 | 0.98 | 1.1062 |
| CO-3104 | MH-3103 | MH-3104 | 470.53 | 468.86 | 469.03 | 170.0 | 29 | 1.42 | 170.000 | 0.010 | 0.98 | 1.1170 |
| CO-4222 | MH-3103 | MH-4205 | 470.53 | 468.76 | 468.86 | 170.0 | 17 | 1.54 | 170.000 | 0.010 | 0.98 | 1.1278 |
| CO-4800 | MH-4205 | OF-3 | 470.50 | 467.33 | 467.28 | 600.0 | 24 | 1.90 | 500.000 | 0.011 | 1.26 | 21.3830 |

Hydraulic Model Inventory: Zone IX Part V 210517.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part V) |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 16-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 186 | Taps | 0 |
| -Circle | 186 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 186 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|-------------------|---------|
| Circle - 150.0 mm | 4,539 m | Circle - 250.0 mm | 354 m |
| Circle - 200.0 mm | 162 m | Total Length | 5,055 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6754 | MH-6747 | MH-6748 | 472.23 | 471.08 | 470.88 | 150.0 | 23 | 1.00 | 113.290 | 0.010 | 0.30 | 0.01 |
| CO-6755 | MH-6748 | MH-6749 | 472.03 | 470.52 | 470.04 | 150.0 | 29 | 1.18 | 60.000 | 0.010 | 0.47 | 0.02 |
| CO-6616 | MH-6616 | MH-6614 | 473.95 | 472.72 | 472.33 | 150.0 | 23 | 1.04 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6613 | MH-6612 | MH-6613 | 473.00 | 471.85 | 471.73 | 150.0 | 25 | 1.27 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6614 | MH-6613 | MH-6614 | 473.42 | 471.73 | 471.66 | 150.0 | 25 | 1.61 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6625 | MH-6624 | MH-6625 | 472.70 | 471.55 | 471.41 | 150.0 | 29 | 1.11 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6626 | MH-6625 | MH-6621 | 472.79 | 471.41 | 471.33 | 150.0 | 29 | 1.19 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6621 | MH-6620 | MH-6622 | 472.00 | 470.85 | 470.73 | 150.0 | 23 | 1.25 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6622 | MH-6622 | MH-6621 | 472.39 | 470.73 | 470.56 | 150.0 | 25 | 1.71 | 143.805 | 0.010 | 0.35 | 0.02 |
| CO-6631 | MH-6629 | MH-6630 | 472.29 | 471.14 | 471.00 | 150.0 | 28 | 1.10 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6632 | MH-6630 | MH-6627 | 472.35 | 471.00 | 470.64 | 150.0 | 26 | 1.32 | 73.212 | 0.010 | 0.44 | 0.02 |
| CO-6628 | MH-6626 | MH-6628 | 471.98 | 470.83 | 470.71 | 150.0 | 25 | 1.09 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6629 | MH-6628 | MH-6627 | 472.05 | 470.71 | 470.64 | 150.0 | 23 | 1.31 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6633 | MH-6621 | MH-6627 | 472.62 | 470.56 | 470.64 | 150.0 | 30 | 1.67 | 350.000 | 0.010 | 0.34 | 0.06 |
| CO-6623 | MH-6614 | MH-6621 | 473.48 | 470.47 | 470.56 | 150.0 | 30 | 2.38 | 350.000 | 0.010 | 0.41 | 0.12 |
| CO-6617 | MH-6614 | MH-6617 | 473.48 | 470.47 | 470.40 | 150.0 | 27 | 2.86 | 350.000 | 0.010 | 0.45 | 0.16 |
| CO-6618 | MH-6617 | MH-6618 | 473.42 | 470.40 | 470.10 | 150.0 | 23 | 2.88 | 79.449 | 0.010 | 0.78 | 0.17 |
| CO-6619 | MH-6618 | MH-6619 | 473.14 | 470.10 | 469.73 | 150.0 | 22 | 1.94 | 60.000 | 0.010 | 0.88 | 0.19 |
| CO-6581 | MH-6579 | MH-6580 | 477.00 | 475.85 | 475.73 | 150.0 | 24 | 1.06 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6582 | MH-6580 | MH-6578 | 476.99 | 475.73 | 475.32 | 150.0 | 25 | 1.06 | 62.560 | 0.010 | 0.46 | 0.02 |
| CO-6580 | MH-6577 | MH-6578 | 476.60 | 475.45 | 475.32 | 150.0 | 27 | 1.00 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6588 | MH-6586 | MH-6587 | 475.55 | 474.40 | 474.29 | 150.0 | 22 | 1.20 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6589 | MH-6587 | MH-6585 | 475.85 | 474.29 | 474.22 | 150.0 | 23 | 1.62 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6585 | MH-6583 | MH-6584 | 476.71 | 475.56 | 475.43 | 150.0 | 25 | 1.13 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6586 | MH-6584 | MH-6585 | 476.84 | 475.43 | 475.05 | 150.0 | 23 | 1.13 | 61.648 | 0.010 | 0.46 | 0.02 |
| CO-6590 | MH-6578 | MH-6585 | 476.47 | 474.14 | 474.22 | 150.0 | 30 | 2.01 | 350.000 | 0.010 | 0.34 | 0.06 |
| CO-6583 | MH-6578 | MH-6581 | 476.47 | 474.14 | 474.05 | 150.0 | 32 | 1.85 | 350.000 | 0.010 | 0.40 | 0.10 |
| CO-6584 | MH-6581 | MH-6582 | 475.71 | 474.05 | 473.95 | 150.0 | 35 | 1.34 | 350.000 | 0.010 | 0.41 | 0.12 |
| CO-6639 | MH-6582 | MH-6635 | 475.25 | 473.95 | 473.89 | 150.0 | 21 | 1.12 | 350.000 | 0.010 | 0.42 | 0.13 |
| CO-6640 | MH-6635 | MH-6636 | 475.13 | 473.89 | 473.77 | 150.0 | 24 | 1.05 | 205.408 | 0.010 | 0.52 | 0.14 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6641 | MH-6636 | MH-6592 | 474.92 | 473.77 | 473.63 | 150.0 | 17 | 1.00 | 119.792 | 0.010 | 0.65 | 0.15 |
| CO-6591 | MH-6588 | MH-6589 | 476.22 | 475.07 | 474.94 | 150.0 | 26 | 1.11 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6592 | MH-6589 | MH-6590 | 476.32 | 474.94 | 474.87 | 150.0 | 23 | 1.14 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6598 | MH-6596 | MH-6597 | 474.54 | 473.39 | 473.27 | 150.0 | 25 | 1.28 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6599 | MH-6597 | MH-6595 | 474.98 | 473.27 | 473.21 | 150.0 | 23 | 1.73 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6595 | MH-6593 | MH-6594 | 475.51 | 474.36 | 474.20 | 150.0 | 31 | 1.02 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6596 | MH-6594 | MH-6595 | 475.39 | 474.20 | 474.11 | 150.0 | 19 | 1.02 | 211.323 | 0.010 | 0.30 | 0.02 |
| CO-6600 | MH-6590 | MH-6595 | 476.07 | 473.12 | 473.21 | 150.0 | 31 | 2.36 | 350.000 | 0.010 | 0.34 | 0.06 |
| CO-6593 | MH-6590 | MH-6591 | 476.07 | 473.12 | 473.03 | 150.0 | 31 | 2.54 | 350.000 | 0.010 | 0.39 | 0.09 |
| CO-6594 | MH-6591 | MH-6592 | 475.45 | 473.03 | 472.94 | 150.0 | 31 | 1.98 | 350.000 | 0.010 | 0.40 | 0.10 |
| CO-6642 | MH-6592 | MH-6637 | 474.78 | 472.94 | 472.87 | 150.0 | 23 | 1.62 | 350.000 | 0.010 | 0.52 | 0.27 |
| CO-6643 | MH-6637 | MH-6638 | 474.57 | 472.87 | 472.80 | 150.0 | 26 | 1.35 | 350.000 | 0.010 | 0.53 | 0.28 |
| CO-6644 | MH-6638 | MH-6639 | 474.10 | 472.80 | 472.53 | 150.0 | 25 | 1.16 | 93.799 | 0.010 | 0.86 | 0.29 |
| CO-6645 | MH-6639 | MH-6762 | 473.84 | 472.53 | 472.25 | 150.0 | 16 | 1.08 | 60.000 | 0.010 | 1.01 | 0.30 |
| CO-6615 | MH-6615 | MH-6609 | 474.81 | 473.39 | 472.99 | 150.0 | 24 | 1.14 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6608 | MH-6607 | MH-6608 | 473.71 | 472.56 | 472.41 | 150.0 | 31 | 1.30 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6609 | MH-6608 | MH-6609 | 474.16 | 472.41 | 472.36 | 150.0 | 18 | 1.62 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6610 | MH-6609 | MH-6610 | 474.14 | 472.36 | 472.27 | 150.0 | 31 | 1.65 | 350.000 | 0.010 | 0.31 | 0.05 |
| CO-6611 | MH-6610 | MH-6606 | 474.09 | 472.27 | 472.20 | 150.0 | 22 | 1.60 | 350.000 | 0.010 | 0.34 | 0.06 |
| CO-6603 | MH-6602 | MH-6601 | 475.18 | 474.03 | 473.86 | 150.0 | 24 | 1.00 | 142.022 | 0.010 | 0.28 | 0.01 |
| CO-6601 | MH-6599 | MH-6600 | 474.83 | 473.68 | 473.54 | 150.0 | 28 | 1.19 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6602 | MH-6600 | MH-6601 | 475.07 | 473.54 | 473.48 | 150.0 | 21 | 1.38 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6604 | MH-6601 | MH-6603 | 475.01 | 473.48 | 473.40 | 150.0 | 28 | 1.20 | 350.000 | 0.010 | 0.31 | 0.05 |
| CO-6605 | MH-6603 | MH-6604 | 474.58 | 473.40 | 473.12 | 150.0 | 23 | 1.01 | 78.938 | 0.010 | 0.57 | 0.06 |
| CO-6606 | MH-6604 | MH-6605 | 474.27 | 472.96 | 472.71 | 150.0 | 15 | 1.08 | 60.000 | 0.010 | 0.66 | 0.07 |
| CO-6607 | MH-6605 | MH-6606 | 473.86 | 472.71 | 472.66 | 150.0 | 17 | 1.04 | 350.000 | 0.010 | 0.37 | 0.08 |
| CO-6612 | MH-6606 | MH-6762 | 473.89 | 472.20 | 472.16 | 150.0 | 16 | 1.31 | 350.000 | 0.010 | 0.44 | 0.15 |
| CO-6767 | MH-6762 | MH-6619 | 473.40 | 470.30 | 469.73 | 150.0 | 34 | 1.98 | 60.000 | 0.010 | 1.14 | 0.47 |
| CO-6768 | MH-6619 | MH-6764 | 470.88 | 469.73 | 469.65 | 150.0 | 29 | 1.81 | 350.000 | 0.010 | 0.65 | 0.66 |
| CO-6769 | MH-6764 | MH-6765 | 472.43 | 469.65 | 469.58 | 150.0 | 26 | 2.32 | 350.000 | 0.010 | 0.65 | 0.68 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6770 | MH-6765 | MH-6766 | 471.73 | 469.58 | 469.52 | 150.0 | 18 | 1.91 | 350.000 | 0.010 | 0.66 | 0.69 |
| CO-6771 | MH-6766 | MH-6749 | 471.49 | 469.52 | 469.44 | 150.0 | 30 | 1.71 | 350.000 | 0.010 | 0.66 | 0.70 |
| CO-6756 | MH-6749 | MH-6750 | 471.19 | 469.44 | 469.36 | 150.0 | 28 | 1.42 | 350.000 | 0.010 | 0.67 | 0.73 |
| CO-6757 | MH-6750 | MH-6751 | 470.74 | 469.36 | 469.15 | 150.0 | 24 | 1.11 | 116.297 | 0.010 | 1.02 | 0.74 |
| CO-6758 | MH-6751 | MH-6752 | 470.30 | 469.15 | 468.96 | 150.0 | 26 | 1.08 | 138.831 | 0.010 | 0.96 | 0.76 |
| CO-6759 | MH-6752 | MH-6753 | 470.27 | 468.96 | 468.44 | 150.0 | 31 | 1.08 | 60.000 | 0.010 | 1.32 | 0.77 |
| CO-6760 | MH-6753 | MH-6754 | 469.59 | 468.44 | 468.20 | 150.0 | 27 | 1.00 | 113.467 | 0.010 | 1.04 | 0.78 |
| CO-6761 | MH-6754 | MH-6755 | 469.35 | 468.20 | 468.03 | 150.0 | 29 | 1.00 | 164.941 | 0.010 | 0.91 | 0.79 |
| CO-6762 | MH-6755 | MH-6756 | 469.18 | 468.03 | 467.97 | 150.0 | 20 | 1.05 | 350.000 | 0.010 | 0.68 | 0.80 |
| CO-6763 | MH-6756 | MH-6740 | 469.23 | 467.97 | 467.86 | 150.0 | 38 | 1.08 | 350.000 | 0.010 | 0.68 | 0.81 |
| CO-6662 | MH-6654 | MH-6653 | 473.29 | 471.96 | 471.59 | 150.0 | 22 | 1.09 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6646 | MH-6640 | MH-6641 | 474.65 | 473.50 | 473.11 | 150.0 | 28 | 1.00 | 71.904 | 0.011 | 0.33 | 0.01 |
| CO-6652 | MH-6641 | MH-6645 | 474.26 | 473.11 | 473.01 | 150.0 | 30 | 1.12 | 305.534 | 0.011 | 0.25 | 0.02 |
| CO-6653 | MH-6645 | MH-6642 | 474.41 | 473.01 | 472.93 | 150.0 | 29 | 1.31 | 350.000 | 0.011 | 0.27 | 0.03 |
| CO-6634 | MH-6632 | MH-6633 | 475.26 | 474.11 | 473.84 | 150.0 | 30 | 1.00 | 114.682 | 0.010 | 0.30 | 0.01 |
| CO-6635 | MH-6633 | MH-6569 | 474.99 | 473.84 | 473.79 | 150.0 | 16 | 1.17 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6571 | MH-6567 | MH-6568 | 477.70 | 476.33 | 475.56 | 150.0 | 47 | 1.11 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6573 | MH-6568 | MH-6570 | 476.71 | 475.41 | 474.85 | 150.0 | 34 | 1.07 | 60.000 | 0.010 | 0.47 | 0.02 |
| CO-6574 | MH-6570 | MH-6569 | 476.00 | 474.71 | 474.13 | 150.0 | 35 | 1.07 | 60.000 | 0.010 | 0.53 | 0.03 |
| CO-6636 | MH-6569 | MH-6576 | 475.28 | 473.79 | 473.71 | 150.0 | 30 | 1.30 | 350.000 | 0.010 | 0.35 | 0.07 |
| CO-6576 | MH-6573 | MH-6574 | 477.30 | 476.15 | 475.68 | 150.0 | 29 | 1.00 | 62.431 | 0.010 | 0.38 | 0.01 |
| CO-6577 | MH-6574 | MH-6572 | 476.83 | 475.68 | 475.51 | 150.0 | 17 | 1.00 | 95.299 | 0.010 | 0.40 | 0.02 |
| CO-6575 | MH-6571 | MH-6572 | 476.73 | 475.58 | 475.33 | 150.0 | 27 | 1.09 | 108.455 | 0.010 | 0.31 | 0.01 |
| CO-6578 | MH-6572 | MH-6575 | 476.66 | 475.33 | 474.79 | 150.0 | 32 | 1.09 | 60.000 | 0.010 | 0.58 | 0.05 |
| CO-6579 | MH-6575 | MH-6576 | 475.94 | 474.56 | 473.97 | 150.0 | 35 | 1.11 | 60.000 | 0.010 | 0.62 | 0.06 |
| CO-6637 | MH-6576 | MH-6634 | 475.12 | 473.71 | 473.65 | 150.0 | 22 | 1.20 | 350.000 | 0.010 | 0.43 | 0.14 |
| CO-6647 | MH-6634 | MH-6642 | 474.94 | 473.65 | 473.30 | 150.0 | 24 | 1.07 | 69.159 | 0.010 | 0.78 | 0.15 |
| CO-6654 | MH-6642 | MH-6646 | 474.45 | 472.93 | 472.84 | 150.0 | 30 | 1.31 | 350.000 | 0.011 | 0.45 | 0.20 |
| CO-6655 | MH-6646 | MH-6647 | 474.24 | 472.84 | 472.71 | 150.0 | 28 | 1.13 | 211.046 | 0.011 | 0.54 | 0.21 |
| CO-6656 | MH-6647 | MH-6648 | 473.86 | 472.71 | 472.49 | 150.0 | 27 | 1.00 | 127.011 | 0.011 | 0.66 | 0.22 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6657 | MH-6648 | MH-6649 | 473.64 | 472.49 | 472.19 | 150.0 | 32 | 1.00 | 105.965 | 0.011 | 0.72 | 0.23 |
| CO-6660 | MH-6649 | MH-6652 | 473.34 | 472.19 | 471.83 | 150.0 | 25 | 1.02 | 69.631 | 0.011 | 0.84 | 0.24 |
| CO-6661 | MH-6652 | MH-6653 | 473.01 | 471.83 | 471.59 | 150.0 | 15 | 1.02 | 60.000 | 0.011 | 0.90 | 0.26 |
| CO-6751 | MH-6653 | MH-6745 | 472.74 | 471.59 | 471.43 | 150.0 | 27 | 1.00 | 165.953 | 0.011 | 0.64 | 0.28 |
| CO-6752 | MH-6745 | MH-6746 | 472.58 | 471.43 | 471.16 | 150.0 | 19 | 1.05 | 71.314 | 0.011 | 0.88 | 0.29 |
| CO-6753 | MH-6746 | MH-6711 | 472.40 | 471.16 | 470.53 | 150.0 | 37 | 1.05 | 60.000 | 0.011 | 0.95 | 0.30 |
| CO-6715 | MH-6710 | MH-6711 | 472.05 | 470.90 | 470.53 | 150.0 | 33 | 1.00 | 88.842 | 0.010 | 0.33 | 0.01 |
| CO-6716 | MH-6711 | MH-6712 | 471.68 | 470.53 | 470.18 | 150.0 | 28 | 1.00 | 78.988 | 0.011 | 0.88 | 0.33 |
| CO-6717 | MH-6712 | MH-6713 | 471.33 | 470.18 | 469.81 | 150.0 | 30 | 1.00 | 81.702 | 0.011 | 0.87 | 0.34 |
| CO-6718 | MH-6713 | MH-6714 | 470.96 | 469.81 | 469.47 | 150.0 | 26 | 1.00 | 76.462 | 0.011 | 0.90 | 0.35 |
| CO-6786 | MH-6778 | MH-6718 | 470.51 | 469.36 | 469.17 | 150.0 | 24 | 1.15 | 127.141 | 0.010 | 0.25 | 0.01 |
| CO-6722 | MH-6718 | MH-6719 | 470.61 | 469.17 | 468.96 | 150.0 | 34 | 1.15 | 165.213 | 0.010 | 0.31 | 0.02 |
| CO-6736 | MH-6734 | MH-6735 | 470.25 | 469.10 | 468.96 | 150.0 | 27 | 1.01 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6737 | MH-6735 | MH-6733 | 470.14 | 468.96 | 468.55 | 150.0 | 31 | 1.01 | 75.093 | 0.010 | 0.44 | 0.02 |
| CO-6733 | MH-6731 | MH-6732 | 469.89 | 468.74 | 468.50 | 150.0 | 29 | 1.00 | 122.189 | 0.010 | 0.30 | 0.01 |
| CO-6734 | MH-6732 | MH-6730 | 469.65 | 468.50 | 468.37 | 150.0 | 26 | 1.00 | 205.292 | 0.010 | 0.31 | 0.02 |
| CO-6730 | MH-6728 | MH-6729 | 468.95 | 467.80 | 467.66 | 150.0 | 28 | 1.12 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6731 | MH-6729 | MH-6727 | 469.06 | 467.66 | 467.61 | 150.0 | 18 | 1.48 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6719 | MH-6715 | MH-6716 | 471.41 | 470.15 | 469.63 | 150.0 | 31 | 1.05 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6720 | MH-6716 | MH-6720 | 470.78 | 469.63 | 469.34 | 150.0 | 21 | 1.00 | 74.342 | 0.010 | 0.44 | 0.02 |
| CO-6723 | MH-6720 | MH-6721 | 470.49 | 469.34 | 469.08 | 150.0 | 30 | 1.00 | 112.312 | 0.010 | 0.43 | 0.03 |
| CO-6724 | MH-6722 | MH-6723 | 470.68 | 469.53 | 469.38 | 150.0 | 26 | 1.00 | 166.958 | 0.010 | 0.27 | 0.01 |
| CO-6725 | MH-6723 | MH-6721 | 470.53 | 469.38 | 469.08 | 150.0 | 26 | 1.00 | 85.854 | 0.010 | 0.42 | 0.02 |
| CO-6727 | MH-6724 | MH-6721 | 469.93 | 468.78 | 469.08 | 150.0 | 29 | 1.00 | 96.534 | 0.010 | 0.55 | 0.07 |
| CO-6726 | MH-6724 | MH-6706 | 469.93 | 468.39 | 468.78 | 150.0 | 31 | 1.00 | 79.531 | 0.010 | 0.62 | 0.08 |
| CO-6712 | MH-6707 | MH-6708 | 469.41 | 468.26 | 468.10 | 150.0 | 32 | 1.03 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6713 | MH-6708 | MH-6709 | 469.30 | 468.10 | 468.02 | 150.0 | 27 | 1.09 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6714 | MH-6709 | MH-6706 | 469.31 | 468.02 | 467.92 | 150.0 | 19 | 1.30 | 191.702 | 0.010 | 0.36 | 0.03 |
| CO-6703 | MH-6698 | MH-6699 | 472.69 | 471.54 | 471.39 | 150.0 | 31 | 1.00 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6704 | MH-6699 | MH-6700 | 472.54 | 471.39 | 471.11 | 150.0 | 32 | 1.00 | 116.610 | 0.010 | 0.38 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6705 | MH-6700 | MH-6701 | 472.26 | 471.11 | 470.98 | 150.0 | 10 | 1.00 | 77.533 | 0.010 | 0.49 | 0.03 |
| CO-6706 | MH-6701 | MH-6702 | 472.13 | 470.74 | 470.32 | 150.0 | 25 | 1.12 | 60.000 | 0.010 | 0.58 | 0.05 |
| CO-6707 | MH-6702 | MH-6697 | 471.47 | 470.04 | 469.55 | 150.0 | 29 | 1.14 | 60.000 | 0.010 | 0.62 | 0.06 |
| CO-6784 | MH-6776 | MH-6695 | 471.53 | 470.38 | 469.96 | 150.0 | 30 | 1.00 | 71.943 | 0.010 | 0.31 | 0.01 |
| CO-6701 | MH-6695 | MH-6696 | 471.11 | 469.96 | 469.71 | 150.0 | 25 | 1.00 | 98.271 | 0.010 | 0.37 | 0.02 |
| CO-6702 | MH-6696 | MH-6697 | 470.86 | 469.71 | 469.45 | 150.0 | 16 | 1.05 | 63.111 | 0.010 | 0.50 | 0.03 |
| CO-6708 | MH-6697 | MH-6703 | 470.70 | 469.45 | 468.95 | 150.0 | 30 | 1.05 | 60.000 | 0.010 | 0.73 | 0.10 |
| CO-6709 | MH-6703 | MH-6704 | 470.10 | 468.95 | 468.67 | 150.0 | 30 | 1.00 | 105.465 | 0.010 | 0.62 | 0.11 |
| CO-6787 | MH-6775 | MH-6779 | 473.17 | 472.02 | 472.25 | 150.0 | 14 | 1.05 | 60.000 | 0.010 | 0.32 | 0.01 |
| CO-6781 | MH-6775 | MH-6664 | 473.17 | 471.56 | 471.87 | 150.0 | 19 | 1.07 | 60.000 | 0.010 | 0.43 | 0.02 |
| CO-6669 | MH-6660 | MH-6661 | 473.96 | 472.81 | 472.28 | 150.0 | 33 | 1.00 | 61.176 | 0.010 | 0.38 | 0.01 |
| CO-6670 | MH-6661 | MH-6659 | 473.43 | 472.28 | 472.05 | 150.0 | 38 | 1.00 | 166.149 | 0.010 | 0.33 | 0.02 |
| CO-6671 | MH-6659 | MH-6662 | 473.20 | 472.05 | 471.88 | 150.0 | 32 | 1.00 | 185.784 | 0.010 | 0.36 | 0.03 |
| CO-6672 | MH-6662 | MH-6663 | 473.03 | 471.88 | 471.78 | 150.0 | 27 | 1.00 | 261.534 | 0.010 | 0.35 | 0.05 |
| CO-6673 | MH-6663 | MH-6664 | 472.93 | 471.78 | 471.56 | 150.0 | 20 | 1.00 | 91.090 | 0.010 | 0.54 | 0.06 |
| CO-6693 | MH-6664 | MH-6688 | 472.71 | 471.41 | 470.91 | 150.0 | 30 | 1.07 | 60.000 | 0.010 | 0.70 | 0.09 |
| CO-6694 | MH-6688 | MH-6675 | 472.06 | 470.79 | 470.45 | 150.0 | 20 | 1.06 | 60.000 | 0.010 | 0.73 | 0.10 |
| CO-6679 | MH-6671 | MH-6672 | 472.77 | 471.41 | 470.88 | 150.0 | 32 | 1.11 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6680 | MH-6672 | MH-6673 | 472.03 | 470.88 | 470.79 | 150.0 | 30 | 1.02 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6681 | MH-6673 | MH-6674 | 471.97 | 470.79 | 470.72 | 150.0 | 26 | 1.04 | 350.000 | 0.010 | 0.29 | 0.03 |
| CO-6682 | MH-6674 | MH-6675 | 471.92 | 470.72 | 470.45 | 150.0 | 23 | 1.02 | 88.812 | 0.010 | 0.51 | 0.05 |
| CO-6698 | MH-6675 | MH-6694 | 471.60 | 470.23 | 469.68 | 150.0 | 34 | 1.11 | 60.000 | 0.010 | 0.84 | 0.16 |
| CO-6699 | MH-6694 | MH-6691 | 470.83 | 469.68 | 469.50 | 150.0 | 26 | 1.00 | 149.096 | 0.010 | 0.62 | 0.17 |
| CO-6676 | MH-6667 | MH-6668 | 473.03 | 470.73 | 470.27 | 150.0 | 28 | 1.57 | 60.000 | 0.010 | 0.38 | 0.01 |
| CO-6677 | MH-6668 | MH-6669 | 471.42 | 470.27 | 469.94 | 150.0 | 26 | 1.03 | 80.145 | 0.010 | 0.43 | 0.02 |
| CO-6678 | MH-6669 | MH-6691 | 471.15 | 469.94 | 469.50 | 150.0 | 26 | 1.03 | 60.000 | 0.010 | 0.53 | 0.03 |
| CO-6688 | MH-6678 | MH-6682 | 470.27 | 469.12 | 468.94 | 150.0 | 17 | 1.00 | 96.118 | 0.010 | 0.32 | 0.01 |
| CO-6689 | MH-6682 | MH-6683 | 470.09 | 468.94 | 468.83 | 150.0 | 37 | 1.35 | 350.000 | 0.010 | 0.25 | 0.02 |
| CO-6695 | MH-6691 | MH-6683 | 470.65 | 468.78 | 468.83 | 150.0 | 19 | 1.71 | 350.000 | 0.010 | 0.29 | 0.03 |
| CO-6696 | MH-6691 | MH-6692 | 470.65 | 468.78 | 468.68 | 150.0 | 35 | 1.53 | 350.000 | 0.010 | 0.51 | 0.25 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6697 | MH-6692 | MH-6704 | 470.18 | 468.68 | 468.10 | 150.0 | 40 | 1.46 | 68.150 | 0.010 | 0.93 | 0.26 |
| CO-6793 | MH-6677 | MH-6781 | 469.91 | 468.76 | 469.07 | 150.0 | 31 | 1.00 | 98.418 | 0.010 | 0.27 | 0.01 |
| CO-6683 | MH-6676 | MH-6677 | 469.72 | 468.57 | 468.76 | 150.0 | 30 | 1.00 | 158.560 | 0.010 | 0.31 | 0.02 |
| CO-6789 | MH-6676 | MH-6680 | 469.72 | 468.57 | 468.26 | 150.0 | 19 | 1.06 | 60.926 | 0.010 | 0.51 | 0.03 |
| CO-6685 | MH-6679 | MH-6680 | 469.55 | 468.40 | 468.26 | 150.0 | 28 | 1.06 | 199.452 | 0.010 | 0.25 | 0.01 |
| CO-6791 | MH-6681 | MH-6780 | 469.92 | 468.72 | 468.90 | 150.0 | 23 | 1.02 | 127.141 | 0.010 | 0.25 | 0.01 |
| CO-6686 | MH-6680 | MH-6681 | 469.53 | 468.26 | 468.72 | 150.0 | 37 | 1.08 | 81.093 | 0.010 | 0.39 | 0.02 |
| CO-6790 | MH-6680 | MH-6686 | 469.53 | 468.26 | 468.15 | 150.0 | 38 | 1.30 | 350.000 | 0.010 | 0.36 | 0.07 |
| CO-6690 | MH-6684 | MH-6685 | 470.56 | 469.41 | 468.93 | 150.0 | 33 | 1.00 | 69.511 | 0.010 | 0.36 | 0.01 |
| CO-6691 | MH-6685 | MH-6686 | 470.08 | 468.93 | 468.63 | 150.0 | 32 | 1.00 | 103.853 | 0.010 | 0.39 | 0.02 |
| CO-6692 | MH-6686 | MH-6704 | 469.78 | 468.15 | 468.10 | 150.0 | 20 | 1.52 | 350.000 | 0.010 | 0.40 | 0.11 |
| CO-6710 | MH-6704 | MH-6705 | 469.82 | 468.10 | 467.99 | 150.0 | 38 | 1.52 | 350.000 | 0.010 | 0.61 | 0.49 |
| CO-6711 | MH-6705 | MH-6706 | 469.60 | 467.99 | 467.92 | 150.0 | 22 | 1.46 | 350.000 | 0.010 | 0.61 | 0.50 |
| CO-6728 | MH-6706 | MH-6726 | 469.54 | 467.92 | 467.83 | 150.0 | 32 | 1.38 | 350.000 | 0.010 | 0.65 | 0.63 |
| CO-6729 | MH-6726 | MH-6727 | 469.28 | 467.83 | 467.61 | 150.0 | 30 | 1.50 | 134.425 | 0.010 | 0.93 | 0.64 |
| CO-6732 | MH-6727 | MH-6730 | 469.47 | 467.61 | 467.52 | 150.0 | 30 | 1.78 | 350.000 | 0.010 | 0.66 | 0.68 |
| CO-6735 | MH-6730 | MH-6733 | 469.52 | 467.52 | 467.44 | 150.0 | 30 | 1.98 | 350.000 | 0.010 | 0.66 | 0.71 |
| CO-6738 | MH-6733 | MH-6719 | 469.70 | 467.44 | 467.35 | 150.0 | 31 | 2.36 | 350.000 | 0.010 | 0.67 | 0.75 |
| CO-6739 | MH-6719 | MH-6714 | 470.11 | 467.35 | 467.27 | 150.0 | 29 | 2.91 | 350.000 | 0.010 | 0.67 | 0.78 |
| CO-6740 | MH-6714 | MH-6736 | 470.62 | 467.22 | 467.13 | 200.0 | 31 | 3.09 | 350.000 | 0.011 | 0.70 | 1.14 |
| CO-6741 | MH-6736 | MH-6737 | 470.31 | 467.13 | 467.03 | 200.0 | 33 | 2.95 | 350.000 | 0.011 | 0.70 | 1.15 |
| CO-6742 | MH-6737 | MH-6738 | 470.16 | 467.03 | 466.94 | 200.0 | 33 | 2.81 | 350.000 | 0.011 | 0.70 | 1.16 |
| CO-6743 | MH-6738 | MH-6739 | 469.84 | 466.94 | 466.84 | 200.0 | 34 | 2.49 | 350.000 | 0.011 | 0.70 | 1.17 |
| CO-6744 | MH-6739 | MH-6740 | 469.32 | 466.84 | 466.75 | 200.0 | 32 | 2.19 | 350.000 | 0.011 | 0.71 | 1.19 |
| CO-6745 | MH-6740 | MH-6741 | 469.06 | 466.70 | 466.60 | 250.0 | 35 | 2.01 | 350.000 | 0.011 | 0.81 | 2.01 |
| CO-6746 | MH-6741 | MH-6742 | 468.75 | 466.60 | 466.51 | 250.0 | 33 | 1.75 | 350.000 | 0.011 | 0.81 | 2.02 |
| CO-6747 | MH-6742 | MH-6743 | 468.36 | 466.51 | 466.41 | 250.0 | 34 | 1.45 | 350.000 | 0.011 | 0.81 | 2.04 |
| CO-6750 | MH-6743 | MH-6744 | 467.96 | 466.41 | 466.34 | 250.0 | 25 | 1.20 | 350.000 | 0.011 | 0.81 | 2.05 |
| CO-6772 | MH-6744 | MH-6767 | 467.70 | 466.34 | 466.14 | 250.0 | 29 | 1.06 | 145.292 | 0.011 | 1.13 | 2.06 |
| CO-6773 | MH-6767 | MH-6768 | 467.39 | 466.14 | 465.89 | 250.0 | 23 | 1.00 | 93.354 | 0.011 | 1.33 | 2.07 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6774 | MH-6768 | MH-6769 | 467.14 | 465.89 | 465.62 | 250.0 | 32 | 1.00 | 117.268 | 0.011 | 1.22 | 2.08 |
| CO-6775 | MH-6769 | MH-6770 | 466.87 | 465.62 | 465.45 | 250.0 | 32 | 1.00 | 192.284 | 0.011 | 1.02 | 2.09 |
| CO-6776 | MH-6770 | MH-6771 | 466.70 | 465.45 | 465.29 | 250.0 | 33 | 1.00 | 200.758 | 0.011 | 1.01 | 2.11 |
| CO-6777 | MH-6771 | MH-6772 | 466.54 | 465.29 | 465.20 | 250.0 | 34 | 1.07 | 400.000 | 0.011 | 0.77 | 2.12 |
| CO-6778 | MH-6772 | MH-6773 | 466.60 | 465.20 | 465.13 | 250.0 | 27 | 1.51 | 400.000 | 0.011 | 0.77 | 2.13 |
| CO-6779 | MH-6773 | OF-2 | 467.26 | 465.13 | 465.09 | 250.0 | 17 | 1.62 | 400.000 | 0.011 | 0.78 | 2.14 |

Hydraulic Model Inventory: Zone IX Part VI R1.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part V) |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 16-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|----------------------------------|
| ID | 14372 |
| Label | Velocity |
| Notes | |
| Active Topology | <I> Base Active Topology |
| User Data Extensions | <I> Base User Data Extensions |
| Physical | <I> Base Physical |
| Boundary Condition | <I> Base Boundary Condition |
| Initial Settings | <I> Base Initial Settings |
| Hydrology | <I> Base Hydrology |
| Output | <I> Base Output |
| Infiltration and Inflow | <I> Base Infiltration and Inflow |
| Rainfall Runoff | <I> Base Rainfall Runoff |
| Water Quality | <I> Base Water Quality |
| Sanitary Loading | <I> Base |
| Headloss | <I> Base Headloss |
| Operational | <I> Base Operational |
| Design | <I> Base |
| System Flows | <I> Base System Flows |
| SCADA | <I> Base SCADA |
| Energy Cost | <I> Base Energy Cost |
| Solver Calculation Options | <I> Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 987 | Taps | 0 |
| -Circle | 987 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 987 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|-------|
| Circle - 150.0 mm | 21,844 m | Circle - 300.0 mm | 848 m |
| Circle - 170.0 mm | 914 m | Circle - 350.0 mm | 609 m |
| Circle - 200.0 mm | 503 m | Circle - 400.0 mm | 823 m |

Hydraulic Model Inventory: Zone IX Part VI R1.stsw

| Circle Inventory | | | |
|-------------------|---------|--------------|----------|
| Circle - 250.0 mm | 1,596 m | Total Length | 27,137 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6346 | MH-6357 | MH-6342 | 476.69 | 475.30 | 475.50 | 150.0 | 29 | 0.98 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6337 | MH-6349 | MH-6350 | 476.60 | 475.54 | 475.33 | 150.0 | 31 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6338 | MH-6350 | MH-6351 | 476.66 | 475.33 | 475.11 | 150.0 | 33 | 1.56 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6339 | MH-6351 | MH-6348 | 477.21 | 475.11 | 474.89 | 150.0 | 34 | 1.80 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6318 | MH-6328 | MH-6327 | 476.49 | 475.42 | 475.33 | 150.0 | 15 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6320 | MH-6330 | MH-6329 | 475.74 | 474.67 | 474.40 | 150.0 | 41 | 1.28 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6323 | MH-6333 | MH-6334 | 475.17 | 474.10 | 473.91 | 150.0 | 29 | 1.12 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6324 | MH-6334 | MH-6332 | 475.38 | 473.91 | 473.71 | 150.0 | 29 | 1.46 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6322 | MH-6331 | MH-6332 | 476.21 | 473.52 | 473.71 | 150.0 | 29 | 2.07 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6321 | MH-6329 | MH-6331 | 476.20 | 473.49 | 473.52 | 150.0 | 4 | 2.55 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6319 | MH-6327 | MH-6329 | 476.60 | 473.30 | 473.49 | 150.0 | 28 | 2.85 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6317 | MH-6343 | MH-6327 | 477.02 | 473.11 | 473.30 | 150.0 | 29 | 3.45 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-6332 | MH-6343 | MH-6344 | 477.02 | 473.11 | 472.93 | 150.0 | 27 | 3.94 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-6333 | MH-6344 | MH-6345 | 477.20 | 472.93 | 472.74 | 150.0 | 28 | 4.41 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-6334 | MH-6345 | MH-6346 | 477.60 | 472.74 | 472.56 | 150.0 | 28 | 4.79 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-6335 | MH-6346 | MH-6347 | 477.59 | 472.56 | 472.42 | 150.0 | 20 | 4.75 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6811 | MH-6800 | MH-6347 | 477.64 | 476.12 | 476.25 | 150.0 | 20 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6336 | MH-6347 | MH-6348 | 477.18 | 472.42 | 472.24 | 150.0 | 27 | 4.45 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-6343 | MH-6348 | MH-6355 | 476.69 | 472.24 | 472.04 | 150.0 | 30 | 4.28 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-6340 | MH-6352 | MH-6353 | 476.23 | 475.17 | 474.96 | 150.0 | 31 | 1.16 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6341 | MH-6353 | MH-6354 | 476.52 | 474.96 | 474.76 | 150.0 | 29 | 1.65 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6342 | MH-6354 | MH-6355 | 476.80 | 474.76 | 474.54 | 150.0 | 34 | 1.82 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6344 | MH-6355 | MH-6342 | 476.45 | 472.04 | 472.00 | 150.0 | 5 | 4.24 | 150.000 | 0.010 | 0.63 | 0.1830 |
| CO-6331 | MH-6342 | MH-6341 | 476.37 | 471.81 | 472.00 | 150.0 | 29 | 3.97 | 150.000 | 0.010 | 0.65 | 0.1997 |
| CO-6325 | MH-6335 | MH-6336 | 474.69 | 473.63 | 473.43 | 150.0 | 30 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6326 | MH-6336 | MH-6337 | 474.78 | 473.43 | 473.23 | 150.0 | 30 | 1.47 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6327 | MH-6337 | MH-6338 | 475.13 | 473.23 | 473.02 | 150.0 | 32 | 1.65 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6328 | MH-6338 | MH-6339 | 474.72 | 473.02 | 472.94 | 150.0 | 12 | 1.91 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6329 | MH-6339 | MH-6340 | 475.34 | 472.94 | 472.89 | 150.0 | 7 | 2.42 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6330 | MH-6340 | MH-6341 | 475.63 | 472.89 | 472.69 | 150.0 | 30 | 2.72 | 150.000 | 0.010 | 0.43 | 0.0499 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6510 | MH-6513 | MH-6514 | 475.51 | 474.45 | 474.28 | 150.0 | 26 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6511 | MH-6514 | MH-6515 | 475.69 | 474.28 | 474.09 | 150.0 | 29 | 1.44 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6512 | MH-6515 | MH-6516 | 475.86 | 474.09 | 473.92 | 150.0 | 26 | 1.65 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6513 | MH-6516 | MH-6341 | 475.75 | 473.92 | 473.78 | 150.0 | 21 | 1.72 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6923 | MH-6341 | MH-6907 | 475.69 | 471.81 | 471.66 | 150.0 | 23 | 3.87 | 150.000 | 0.010 | 0.72 | 0.2912 |
| CO-6924 | MH-6907 | MH-6520 | 475.82 | 471.66 | 471.51 | 150.0 | 22 | 4.16 | 150.000 | 0.010 | 0.73 | 0.2992 |
| CO-6443 | MH-6449 | MH-6450 | 477.82 | 476.27 | 476.06 | 150.0 | 32 | 1.16 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6444 | MH-6450 | MH-6451 | 477.12 | 476.06 | 475.83 | 150.0 | 35 | 0.92 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6445 | MH-6451 | MH-6452 | 476.90 | 475.83 | 475.61 | 150.0 | 33 | 1.03 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6446 | MH-6452 | MH-6448 | 476.90 | 475.61 | 475.34 | 150.0 | 40 | 1.03 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6433 | MH-6439 | MH-6440 | 478.99 | 477.28 | 477.07 | 150.0 | 31 | 1.24 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6434 | MH-6440 | MH-6441 | 478.13 | 476.67 | 476.48 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6435 | MH-6441 | MH-6442 | 477.54 | 476.17 | 475.97 | 150.0 | 30 | 1.07 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6436 | MH-6442 | MH-6438 | 477.03 | 475.97 | 475.76 | 150.0 | 31 | 1.04 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6227 | MH-6233 | MH-6234 | 481.32 | 480.26 | 480.01 | 150.0 | 37 | 1.24 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6228 | MH-6234 | MH-6235 | 481.72 | 480.01 | 479.79 | 150.0 | 34 | 1.80 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6229 | MH-6235 | MH-6045 | 481.98 | 479.79 | 479.63 | 150.0 | 23 | 2.29 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6046 | MH-6050 | MH-6051 | 482.69 | 481.63 | 481.43 | 150.0 | 30 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6047 | MH-6051 | MH-6052 | 482.82 | 481.43 | 481.23 | 150.0 | 30 | 1.25 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6048 | MH-6052 | MH-6053 | 482.63 | 481.23 | 481.08 | 150.0 | 23 | 1.37 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6049 | MH-6054 | MH-6055 | 483.17 | 482.10 | 481.91 | 150.0 | 29 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6050 | MH-6055 | MH-6056 | 482.98 | 481.91 | 481.72 | 150.0 | 28 | 0.96 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6051 | MH-6056 | MH-6057 | 482.88 | 481.72 | 481.61 | 150.0 | 18 | 0.96 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6052 | MH-6058 | MH-6059 | 483.52 | 482.28 | 482.07 | 150.0 | 31 | 1.00 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6053 | MH-6059 | MH-6060 | 483.14 | 481.79 | 481.58 | 150.0 | 31 | 1.06 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6054 | MH-6061 | MH-6062 | 483.50 | 482.19 | 481.98 | 150.0 | 31 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6055 | MH-6062 | MH-6063 | 483.05 | 481.71 | 481.55 | 150.0 | 24 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6061 | MH-6065 | MH-6064 | 482.50 | 481.35 | 481.26 | 150.0 | 12 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6060 | MH-6063 | MH-6064 | 482.61 | 481.08 | 481.26 | 150.0 | 28 | 1.15 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6059 | MH-6060 | MH-6063 | 482.65 | 480.87 | 481.08 | 150.0 | 30 | 1.50 | 150.000 | 0.010 | 0.41 | 0.0416 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6058 | MH-6057 | MH-6060 | 482.68 | 480.69 | 480.87 | 150.0 | 28 | 1.73 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-6057 | MH-6053 | MH-6057 | 482.72 | 480.49 | 480.69 | 150.0 | 29 | 1.96 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6056 | MH-6053 | MH-6045 | 482.72 | 480.31 | 480.49 | 150.0 | 28 | 1.97 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-6043 | MH-6046 | MH-6047 | 482.19 | 481.12 | 480.97 | 150.0 | 23 | 0.97 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6044 | MH-6047 | MH-6048 | 482.15 | 480.97 | 480.75 | 150.0 | 33 | 1.09 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6045 | MH-6048 | MH-6045 | 482.06 | 480.75 | 480.49 | 150.0 | 40 | 1.42 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6042 | MH-6045 | MH-6044 | 482.32 | 479.35 | 479.63 | 150.0 | 42 | 2.47 | 150.000 | 0.010 | 0.64 | 0.1914 |
| CO-5999 | MH-6008 | MH-6009 | 482.18 | 480.85 | 480.68 | 150.0 | 26 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6000 | MH-6009 | MH-6010 | 481.75 | 480.68 | 480.47 | 150.0 | 32 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6001 | MH-6010 | MH-5986 | 481.85 | 480.47 | 480.20 | 150.0 | 40 | 1.37 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6028 | MH-6033 | MH-5996 | 482.63 | 481.29 | 481.15 | 150.0 | 21 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5988 | MH-5997 | MH-5998 | 482.32 | 481.16 | 481.37 | 150.0 | 33 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5987 | MH-5996 | MH-5997 | 482.21 | 480.97 | 481.16 | 150.0 | 28 | 1.06 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5986 | MH-5996 | MH-5988 | 482.21 | 480.72 | 480.97 | 150.0 | 37 | 1.38 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6033 | MH-6037 | MH-6029 | 483.09 | 481.75 | 481.62 | 150.0 | 19 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6016 | MH-6026 | MH-6027 | 482.79 | 481.73 | 481.56 | 150.0 | 25 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6017 | MH-6027 | MH-6028 | 482.72 | 481.56 | 481.42 | 150.0 | 20 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6018 | MH-6028 | MH-6029 | 482.73 | 481.42 | 481.28 | 150.0 | 21 | 1.21 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6034 | MH-6029 | MH-6038 | 482.69 | 481.28 | 481.09 | 150.0 | 29 | 1.46 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6035 | MH-6038 | MH-5990 | 482.91 | 481.09 | 480.96 | 150.0 | 19 | 1.76 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6013 | MH-6022 | MH-6023 | 483.18 | 482.12 | 481.92 | 150.0 | 30 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6014 | MH-6023 | MH-6024 | 483.13 | 481.92 | 481.76 | 150.0 | 23 | 1.14 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6029 | MH-6024 | MH-6035 | 483.13 | 481.76 | 481.67 | 150.0 | 14 | 1.28 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6030 | MH-6035 | MH-6021 | 483.16 | 481.67 | 481.63 | 150.0 | 6 | 1.31 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6024 | MH-6031 | MH-6021 | 483.44 | 482.13 | 481.99 | 150.0 | 21 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6031 | MH-6021 | MH-6036 | 483.05 | 481.63 | 481.50 | 150.0 | 19 | 1.34 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6032 | MH-6036 | MH-5991 | 483.07 | 481.50 | 481.29 | 150.0 | 32 | 1.59 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-6009 | MH-6018 | MH-6019 | 483.43 | 482.37 | 482.19 | 150.0 | 27 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6010 | MH-6019 | MH-6020 | 483.51 | 482.19 | 482.00 | 150.0 | 28 | 1.30 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6011 | MH-6020 | MH-6016 | 483.58 | 482.00 | 481.89 | 150.0 | 16 | 1.44 | 150.000 | 0.010 | 0.35 | 0.0250 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6005 | MH-6015 | MH-6030 | 484.05 | 482.99 | 482.76 | 150.0 | 34 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6002 | MH-6011 | MH-6012 | 484.15 | 483.08 | 482.90 | 150.0 | 27 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6003 | MH-6012 | MH-6013 | 484.28 | 482.90 | 482.75 | 150.0 | 23 | 1.34 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6004 | MH-6013 | MH-6030 | 484.35 | 482.75 | 482.62 | 150.0 | 19 | 1.44 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6022 | MH-6030 | MH-6017 | 484.18 | 482.62 | 482.49 | 150.0 | 19 | 1.39 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6008 | MH-6017 | MH-6016 | 484.01 | 482.49 | 482.31 | 150.0 | 27 | 1.20 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6036 | MH-6016 | MH-6039 | 483.49 | 481.89 | 481.69 | 150.0 | 30 | 1.53 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-6037 | MH-6039 | MH-5992 | 483.45 | 481.69 | 481.49 | 150.0 | 30 | 1.78 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5985 | MH-5993 | MH-5994 | 483.56 | 482.30 | 482.49 | 150.0 | 29 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5984 | MH-5993 | MH-5992 | 483.56 | 482.24 | 482.30 | 150.0 | 8 | 1.14 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5983 | MH-5992 | MH-5991 | 483.57 | 481.32 | 481.49 | 150.0 | 26 | 1.84 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-5982 | MH-5991 | MH-5990 | 483.21 | 481.13 | 481.29 | 150.0 | 24 | 1.73 | 150.000 | 0.010 | 0.63 | 0.1830 |
| CO-5981 | MH-5990 | MH-5989 | 482.96 | 480.91 | 480.96 | 150.0 | 7 | 1.81 | 150.000 | 0.010 | 0.68 | 0.2413 |
| CO-5980 | MH-5989 | MH-5988 | 482.82 | 480.79 | 480.91 | 150.0 | 19 | 1.67 | 150.000 | 0.010 | 0.69 | 0.2496 |
| CO-5979 | MH-5988 | MH-5987 | 482.53 | 480.64 | 480.72 | 150.0 | 12 | 1.54 | 150.000 | 0.010 | 0.72 | 0.2912 |
| CO-5978 | MH-5987 | MH-5986 | 482.21 | 480.55 | 480.64 | 150.0 | 13 | 1.29 | 150.000 | 0.010 | 0.73 | 0.2995 |
| CO-5977 | MH-5986 | MH-5985 | 481.86 | 480.00 | 480.20 | 150.0 | 29 | 1.54 | 150.000 | 0.010 | 0.75 | 0.3328 |
| CO-6926 | MH-6908 | MH-6909 | 485.31 | 484.11 | 483.96 | 150.0 | 22 | 0.98 | 150.000 | 0.010 | 0.29 | 0.0130 |
| CO-6928 | MH-6909 | MH-6910 | 485.02 | 483.82 | 483.67 | 150.0 | 23 | 0.99 | 150.000 | 0.010 | 0.35 | 0.0259 |
| CO-6930 | MH-6910 | MH-6911 | 484.73 | 483.51 | 483.34 | 150.0 | 26 | 0.99 | 150.000 | 0.010 | 0.40 | 0.0389 |
| CO-6932 | MH-6911 | MH-6912 | 484.40 | 483.21 | 483.07 | 150.0 | 21 | 0.98 | 150.000 | 0.010 | 0.44 | 0.0518 |
| CO-6934 | MH-6912 | MH-6913 | 484.13 | 482.91 | 482.74 | 150.0 | 26 | 0.99 | 150.000 | 0.010 | 0.46 | 0.0648 |
| CO-6936 | MH-6913 | MH-6914 | 483.80 | 482.57 | 482.40 | 150.0 | 26 | 1.00 | 150.000 | 0.010 | 0.49 | 0.0778 |
| CO-6938 | MH-6914 | MH-6915 | 483.46 | 482.21 | 482.01 | 150.0 | 30 | 1.01 | 150.000 | 0.010 | 0.52 | 0.0907 |
| CO-6940 | MH-6915 | MH-6916 | 483.07 | 481.86 | 481.70 | 150.0 | 23 | 0.99 | 150.000 | 0.010 | 0.54 | 0.1037 |
| CO-6942 | MH-6916 | MH-6917 | 482.77 | 481.57 | 481.43 | 150.0 | 21 | 0.98 | 150.000 | 0.010 | 0.55 | 0.1166 |
| CO-6944 | MH-6917 | MH-6918 | 482.50 | 481.27 | 481.10 | 150.0 | 26 | 1.00 | 150.000 | 0.010 | 0.57 | 0.1296 |
| CO-6945 | MH-6918 | MH-5981 | 482.16 | 480.99 | 480.88 | 150.0 | 17 | 0.97 | 150.000 | 0.010 | 0.59 | 0.1426 |
| CO-5990 | MH-5999 | MH-6000 | 482.16 | 481.09 | 480.89 | 150.0 | 30 | 0.98 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5991 | MH-6000 | MH-6001 | 482.09 | 480.89 | 480.70 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.31 | 0.0166 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5992 | MH-6001 | MH-6002 | 482.02 | 480.70 | 480.50 | 150.0 | 29 | 1.27 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5993 | MH-6002 | MH-5772 | 482.01 | 480.50 | 480.31 | 150.0 | 29 | 1.42 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5994 | MH-6003 | MH-6004 | 483.25 | 482.18 | 482.08 | 150.0 | 16 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5995 | MH-6004 | MH-6005 | 483.14 | 482.05 | 481.84 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5996 | MH-6005 | MH-6006 | 482.91 | 481.84 | 481.68 | 150.0 | 24 | 1.01 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5997 | MH-6006 | MH-6007 | 482.94 | 481.68 | 481.45 | 150.0 | 35 | 1.13 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5998 | MH-6007 | MH-5770 | 482.75 | 481.45 | 481.30 | 150.0 | 23 | 1.15 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5747 | MH-5764 | MH-5736 | 485.45 | 484.36 | 484.30 | 150.0 | 9 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5722 | MH-5733 | MH-5734 | 485.81 | 483.84 | 483.65 | 150.0 | 29 | 1.37 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5723 | MH-5734 | MH-5735 | 484.71 | 483.65 | 483.46 | 150.0 | 28 | 1.11 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5724 | MH-5735 | MH-5736 | 484.92 | 483.46 | 483.26 | 150.0 | 30 | 1.63 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5748 | MH-5736 | MH-5765 | 485.36 | 483.26 | 483.19 | 150.0 | 10 | 1.94 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5749 | MH-5765 | MH-5740 | 485.27 | 483.19 | 483.13 | 150.0 | 9 | 1.98 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5710 | MH-5720 | MH-5721 | 485.42 | 484.35 | 484.14 | 150.0 | 31 | 1.27 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5711 | MH-5721 | MH-5722 | 485.93 | 484.14 | 483.90 | 150.0 | 37 | 1.40 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5726 | MH-5722 | MH-5739 | 485.22 | 483.90 | 483.74 | 150.0 | 24 | 1.18 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5727 | MH-5739 | MH-5740 | 485.08 | 483.74 | 483.50 | 150.0 | 36 | 1.44 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5750 | MH-5740 | MH-5766 | 485.32 | 483.13 | 483.01 | 150.0 | 19 | 2.14 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5751 | MH-5766 | MH-5743 | 485.39 | 483.01 | 482.98 | 150.0 | 4 | 2.22 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-5728 | MH-5741 | MH-5742 | 485.53 | 484.46 | 484.26 | 150.0 | 30 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5729 | MH-5742 | MH-5743 | 485.42 | 484.26 | 484.10 | 150.0 | 24 | 1.04 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5752 | MH-5743 | MH-5767 | 485.33 | 482.98 | 482.88 | 150.0 | 15 | 2.09 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-5753 | MH-5767 | MH-5768 | 485.01 | 482.88 | 482.79 | 150.0 | 14 | 1.93 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-5730 | MH-5744 | MH-5745 | 485.05 | 483.92 | 483.69 | 150.0 | 35 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5731 | MH-5745 | MH-5768 | 484.75 | 483.69 | 483.56 | 150.0 | 19 | 1.01 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5755 | MH-5768 | MH-5749 | 484.82 | 482.79 | 482.61 | 150.0 | 27 | 1.89 | 150.000 | 0.010 | 0.60 | 0.1581 |
| CO-5732 | MH-5747 | MH-5748 | 484.38 | 483.31 | 483.12 | 150.0 | 29 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5733 | MH-5748 | MH-5749 | 484.47 | 483.12 | 482.96 | 150.0 | 24 | 1.38 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5756 | MH-5749 | MH-5751 | 484.66 | 482.61 | 482.37 | 150.0 | 35 | 1.75 | 150.000 | 0.010 | 0.63 | 0.1830 |
| CO-5712 | MH-5723 | MH-5724 | 485.27 | 484.21 | 484.09 | 150.0 | 17 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5670 | MH-5677 | MH-5678 | 485.43 | 484.21 | 483.91 | 150.0 | 44 | 1.00 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5671 | MH-5678 | MH-5679 | 484.98 | 483.90 | 483.67 | 150.0 | 35 | 0.92 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5672 | MH-5679 | MH-5680 | 484.73 | 483.67 | 483.44 | 150.0 | 34 | 0.99 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5673 | MH-5680 | MH-5681 | 484.67 | 483.44 | 483.21 | 150.0 | 35 | 1.21 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5674 | MH-5681 | MH-5682 | 484.71 | 483.21 | 483.08 | 150.0 | 19 | 1.49 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5675 | MH-5682 | MH-5683 | 484.87 | 483.08 | 482.82 | 150.0 | 39 | 1.94 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5676 | MH-5683 | MH-5684 | 485.22 | 482.82 | 482.56 | 150.0 | 39 | 2.39 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-5677 | MH-5684 | MH-5685 | 485.24 | 482.56 | 482.33 | 150.0 | 34 | 2.99 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5678 | MH-5685 | MH-5724 | 485.92 | 482.33 | 482.06 | 150.0 | 40 | 3.34 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-5713 | MH-5724 | MH-5695 | 485.46 | 482.06 | 481.84 | 150.0 | 34 | 3.05 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5680 | MH-5689 | MH-5690 | 484.00 | 482.94 | 482.75 | 150.0 | 28 | 1.03 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5681 | MH-5690 | MH-5688 | 484.04 | 482.75 | 482.55 | 150.0 | 29 | 1.43 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5679 | MH-5687 | MH-5688 | 484.83 | 483.55 | 483.36 | 150.0 | 29 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5682 | MH-5688 | MH-5691 | 484.42 | 482.55 | 482.33 | 150.0 | 33 | 2.07 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5683 | MH-5691 | MH-5692 | 484.91 | 482.33 | 482.13 | 150.0 | 30 | 2.57 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5684 | MH-5692 | MH-5693 | 485.00 | 482.13 | 481.93 | 150.0 | 30 | 2.89 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5685 | MH-5693 | MH-5694 | 485.15 | 481.93 | 481.73 | 150.0 | 31 | 3.16 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-5686 | MH-5694 | MH-5695 | 485.12 | 481.73 | 481.54 | 150.0 | 28 | 3.20 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5714 | MH-5695 | MH-5726 | 484.84 | 481.54 | 481.35 | 150.0 | 28 | 2.93 | 150.000 | 0.010 | 0.62 | 0.1664 |
| CO-5693 | MH-5703 | MH-5702 | 484.74 | 483.60 | 483.52 | 150.0 | 13 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5688 | MH-5698 | MH-5699 | 483.50 | 482.44 | 482.22 | 150.0 | 33 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5689 | MH-5699 | MH-5697 | 483.62 | 482.22 | 482.04 | 150.0 | 27 | 1.58 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5687 | MH-5696 | MH-5697 | 484.40 | 483.20 | 483.03 | 150.0 | 25 | 0.98 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5690 | MH-5697 | MH-5700 | 484.09 | 482.04 | 481.81 | 150.0 | 35 | 2.17 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5691 | MH-5700 | MH-5701 | 484.40 | 481.81 | 481.62 | 150.0 | 28 | 2.60 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5692 | MH-5701 | MH-5702 | 484.54 | 481.62 | 481.49 | 150.0 | 20 | 2.85 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5694 | MH-5702 | MH-5704 | 484.58 | 481.49 | 481.28 | 150.0 | 32 | 2.96 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5695 | MH-5704 | MH-5726 | 484.40 | 481.28 | 481.02 | 150.0 | 39 | 3.01 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-5715 | MH-5726 | MH-5719 | 484.22 | 481.02 | 480.81 | 150.0 | 31 | 2.81 | 150.000 | 0.010 | 0.69 | 0.2496 |
| CO-5704 | MH-5716 | MH-5715 | 484.51 | 483.29 | 483.21 | 150.0 | 12 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5702 | MH-5713 | MH-5714 | 484.28 | 483.22 | 483.04 | 150.0 | 27 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5703 | MH-5714 | MH-5715 | 484.38 | 483.04 | 482.94 | 150.0 | 16 | 1.18 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5705 | MH-5715 | MH-5712 | 484.27 | 482.92 | 482.83 | 150.0 | 14 | 1.06 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5697 | MH-5708 | MH-5709 | 483.17 | 482.10 | 481.84 | 150.0 | 39 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5698 | MH-5709 | MH-5707 | 483.24 | 481.84 | 481.61 | 150.0 | 34 | 1.47 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5696 | MH-5706 | MH-5707 | 484.01 | 482.58 | 482.39 | 150.0 | 28 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5699 | MH-5707 | MH-5710 | 483.46 | 481.61 | 481.36 | 150.0 | 38 | 2.00 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5700 | MH-5710 | MH-5711 | 483.81 | 481.36 | 481.17 | 150.0 | 28 | 2.40 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5701 | MH-5711 | MH-5712 | 483.81 | 481.17 | 481.06 | 150.0 | 17 | 2.59 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5706 | MH-5712 | MH-5717 | 483.90 | 481.06 | 480.86 | 150.0 | 30 | 2.76 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5707 | MH-5717 | MH-5718 | 483.84 | 480.86 | 480.70 | 150.0 | 24 | 2.80 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-5708 | MH-5718 | MH-5719 | 483.61 | 480.70 | 480.60 | 150.0 | 15 | 2.78 | 150.000 | 0.010 | 0.54 | 0.1082 |
| CO-5734 | MH-5719 | MH-5750 | 483.54 | 480.60 | 480.43 | 150.0 | 26 | 3.12 | 150.000 | 0.010 | 0.77 | 0.3661 |
| CO-5735 | MH-5750 | MH-5751 | 484.03 | 480.43 | 480.21 | 150.0 | 32 | 3.61 | 150.000 | 0.010 | 0.77 | 0.3744 |
| CO-5757 | MH-5751 | MH-5769 | 484.12 | 480.21 | 479.98 | 150.0 | 35 | 3.43 | 150.000 | 0.010 | 0.87 | 0.5657 |
| CO-5758 | MH-5769 | MH-5770 | 483.24 | 479.98 | 479.76 | 150.0 | 34 | 2.91 | 150.000 | 0.010 | 0.87 | 0.5741 |
| CO-5759 | MH-5770 | MH-5771 | 482.61 | 479.76 | 479.56 | 150.0 | 30 | 2.61 | 150.000 | 0.010 | 0.89 | 0.6240 |
| CO-5760 | MH-5771 | MH-5772 | 482.23 | 479.56 | 479.38 | 150.0 | 27 | 2.46 | 150.000 | 0.010 | 0.89 | 0.6323 |
| CO-5761 | MH-5772 | MH-5773 | 481.93 | 479.38 | 479.17 | 150.0 | 31 | 2.20 | 150.000 | 0.010 | 0.91 | 0.6739 |
| CO-5762 | MH-5773 | MH-5977 | 481.32 | 479.17 | 478.95 | 150.0 | 32 | 2.16 | 150.000 | 0.010 | 0.91 | 0.6822 |
| CO-6913 | MH-6901 | MH-6902 | 487.19 | 485.92 | 485.72 | 150.0 | 31 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6914 | MH-6902 | MH-5752 | 486.78 | 485.47 | 485.28 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6909 | MH-6897 | MH-6898 | 486.50 | 485.24 | 485.02 | 150.0 | 34 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6910 | MH-6898 | MH-6837 | 486.08 | 484.41 | 484.21 | 150.0 | 30 | 1.22 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6907 | MH-6895 | MH-6896 | 484.61 | 483.55 | 483.36 | 150.0 | 28 | 1.13 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6908 | MH-6896 | MH-6837 | 484.86 | 483.36 | 483.24 | 150.0 | 17 | 1.62 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6905 | MH-6893 | MH-6894 | 486.82 | 485.07 | 484.85 | 150.0 | 33 | 1.26 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6906 | MH-6894 | MH-6836 | 485.91 | 484.49 | 484.31 | 150.0 | 28 | 1.09 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6903 | MH-6891 | MH-6892 | 484.48 | 483.42 | 483.28 | 150.0 | 21 | 1.21 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6904 | MH-6892 | MH-6836 | 484.94 | 483.28 | 483.11 | 150.0 | 25 | 1.81 | 150.000 | 0.010 | 0.31 | 0.0160 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6901 | MH-6889 | MH-6890 | 486.69 | 485.24 | 485.02 | 150.0 | 34 | 1.11 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6902 | MH-6890 | MH-6835 | 486.08 | 484.65 | 484.46 | 150.0 | 29 | 1.10 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6897 | MH-6885 | MH-6886 | 487.01 | 485.25 | 485.02 | 150.0 | 34 | 1.26 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6898 | MH-6886 | MH-6834 | 486.08 | 484.86 | 484.68 | 150.0 | 27 | 0.99 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6895 | MH-6883 | MH-6884 | 484.76 | 483.70 | 483.53 | 150.0 | 24 | 1.37 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6896 | MH-6884 | MH-6834 | 485.50 | 483.53 | 483.38 | 150.0 | 22 | 2.01 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6891 | MH-6879 | MH-6880 | 485.30 | 484.24 | 484.09 | 150.0 | 21 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6892 | MH-6880 | MH-6833 | 485.53 | 484.09 | 483.95 | 150.0 | 22 | 1.58 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6887 | MH-6875 | MH-6876 | 485.18 | 484.12 | 483.93 | 150.0 | 27 | 1.30 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6888 | MH-6876 | MH-6832 | 485.78 | 483.93 | 483.77 | 150.0 | 24 | 1.95 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6889 | MH-6877 | MH-6878 | 486.99 | 485.40 | 485.21 | 150.0 | 30 | 1.17 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6890 | MH-6878 | MH-6832 | 486.27 | 485.21 | 484.99 | 150.0 | 32 | 0.95 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6883 | MH-6871 | MH-6872 | 485.49 | 484.43 | 484.25 | 150.0 | 27 | 1.26 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6884 | MH-6872 | MH-6831 | 486.01 | 484.25 | 484.09 | 150.0 | 24 | 1.88 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6879 | MH-6867 | MH-6868 | 485.47 | 484.41 | 484.23 | 150.0 | 27 | 1.37 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6880 | MH-6868 | MH-6830 | 486.21 | 484.23 | 484.06 | 150.0 | 26 | 2.04 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6881 | MH-6869 | MH-6870 | 487.56 | 486.17 | 485.97 | 150.0 | 30 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6882 | MH-6870 | MH-6830 | 487.03 | 485.57 | 485.39 | 150.0 | 27 | 1.11 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6921 | MH-6906 | MH-6829 | 486.68 | 485.56 | 485.48 | 150.0 | 13 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6877 | MH-6865 | MH-6866 | 487.75 | 485.91 | 485.72 | 150.0 | 29 | 1.30 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6878 | MH-6866 | MH-6829 | 486.78 | 485.66 | 485.48 | 150.0 | 28 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6875 | MH-6863 | MH-6864 | 485.41 | 484.35 | 484.14 | 150.0 | 30 | 1.26 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6876 | MH-6864 | MH-6829 | 485.90 | 484.14 | 483.99 | 150.0 | 23 | 2.00 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6840 | MH-6829 | MH-6830 | 486.54 | 483.99 | 483.86 | 150.0 | 20 | 2.42 | 150.000 | 0.010 | 0.43 | 0.0481 |
| CO-6841 | MH-6830 | MH-6831 | 486.45 | 483.86 | 483.73 | 150.0 | 20 | 2.47 | 150.000 | 0.010 | 0.51 | 0.0882 |
| CO-6885 | MH-6873 | MH-6874 | 487.29 | 486.02 | 485.82 | 150.0 | 30 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6886 | MH-6874 | MH-6831 | 486.88 | 485.52 | 485.32 | 150.0 | 30 | 1.06 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6842 | MH-6831 | MH-6832 | 486.38 | 483.73 | 483.59 | 150.0 | 20 | 2.45 | 150.000 | 0.010 | 0.57 | 0.1283 |
| CO-6843 | MH-6832 | MH-6833 | 486.13 | 483.59 | 483.47 | 150.0 | 19 | 2.36 | 150.000 | 0.010 | 0.62 | 0.1684 |
| CO-6893 | MH-6881 | MH-6882 | 486.92 | 485.40 | 485.19 | 150.0 | 32 | 1.14 | 150.000 | 0.010 | 0.25 | 0.0080 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6894 | MH-6882 | MH-6833 | 486.25 | 485.10 | 484.90 | 150.0 | 30 | 0.96 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6844 | MH-6833 | MH-6834 | 485.96 | 483.47 | 483.33 | 150.0 | 21 | 2.30 | 150.000 | 0.010 | 0.66 | 0.2085 |
| CO-6845 | MH-6834 | MH-6835 | 485.74 | 483.33 | 483.21 | 150.0 | 18 | 2.21 | 150.000 | 0.010 | 0.69 | 0.2486 |
| CO-6899 | MH-6887 | MH-6888 | 484.45 | 483.39 | 483.20 | 150.0 | 27 | 1.33 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6900 | MH-6888 | MH-6835 | 485.11 | 483.20 | 483.07 | 150.0 | 20 | 2.03 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6846 | MH-6835 | MH-6836 | 485.52 | 483.07 | 482.94 | 150.0 | 20 | 2.29 | 150.000 | 0.010 | 0.72 | 0.2887 |
| CO-6847 | MH-6836 | MH-6837 | 485.37 | 482.94 | 482.82 | 150.0 | 19 | 2.29 | 150.000 | 0.010 | 0.75 | 0.3288 |
| CO-6848 | MH-6837 | MH-6838 | 485.27 | 482.82 | 482.69 | 150.0 | 20 | 2.47 | 150.000 | 0.010 | 0.77 | 0.3689 |
| CO-6911 | MH-6899 | MH-6900 | 486.42 | 485.13 | 484.92 | 150.0 | 32 | 1.03 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6912 | MH-6900 | MH-6838 | 485.98 | 484.62 | 484.42 | 150.0 | 31 | 1.06 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6851 | MH-6838 | MH-5752 | 485.48 | 482.69 | 482.49 | 150.0 | 30 | 3.17 | 150.000 | 0.010 | 0.79 | 0.3930 |
| CO-5736 | MH-5752 | MH-5753 | 486.34 | 482.49 | 482.27 | 150.0 | 34 | 3.52 | 150.000 | 0.010 | 0.80 | 0.4173 |
| CO-5737 | MH-5753 | MH-5754 | 485.76 | 482.27 | 482.01 | 150.0 | 38 | 3.07 | 150.000 | 0.010 | 0.80 | 0.4256 |
| CO-5738 | MH-5754 | MH-5755 | 484.95 | 482.01 | 481.76 | 150.0 | 37 | 2.60 | 150.000 | 0.010 | 0.81 | 0.4340 |
| CO-5739 | MH-5755 | MH-5756 | 484.32 | 481.76 | 481.49 | 150.0 | 41 | 2.11 | 150.000 | 0.010 | 0.81 | 0.4423 |
| CO-5740 | MH-5756 | MH-5757 | 483.46 | 481.49 | 481.22 | 150.0 | 41 | 1.58 | 150.000 | 0.010 | 0.82 | 0.4506 |
| CO-5741 | MH-5757 | MH-5758 | 482.70 | 481.22 | 480.96 | 150.0 | 38 | 1.13 | 150.000 | 0.010 | 0.82 | 0.4589 |
| CO-5742 | MH-5758 | MH-5759 | 482.03 | 480.71 | 480.47 | 150.0 | 37 | 1.04 | 150.000 | 0.010 | 0.82 | 0.4672 |
| CO-5743 | MH-5759 | MH-5760 | 481.53 | 480.47 | 480.19 | 150.0 | 41 | 1.06 | 150.000 | 0.010 | 0.83 | 0.4756 |
| CO-5744 | MH-5760 | MH-5761 | 481.56 | 480.19 | 479.97 | 150.0 | 34 | 1.37 | 150.000 | 0.010 | 0.83 | 0.4839 |
| CO-5745 | MH-5761 | MH-5762 | 481.64 | 479.97 | 479.73 | 150.0 | 36 | 1.54 | 150.000 | 0.010 | 0.84 | 0.4922 |
| CO-5746 | MH-5762 | MH-5977 | 481.43 | 479.73 | 479.60 | 150.0 | 19 | 1.62 | 150.000 | 0.010 | 0.84 | 0.5005 |
| CO-5969 | MH-5977 | MH-5978 | 481.43 | 478.90 | 478.83 | 200.0 | 36 | 2.47 | 475.000 | 0.011 | 0.63 | 1.1911 |
| CO-5970 | MH-5978 | MH-5979 | 481.64 | 478.83 | 478.77 | 200.0 | 27 | 2.66 | 475.000 | 0.011 | 0.63 | 1.1994 |
| CO-5971 | MH-5979 | MH-5980 | 481.69 | 478.77 | 478.70 | 200.0 | 34 | 2.82 | 475.000 | 0.011 | 0.63 | 1.2077 |
| CO-5972 | MH-5980 | MH-5981 | 481.81 | 478.70 | 478.63 | 200.0 | 33 | 3.01 | 475.000 | 0.011 | 0.63 | 1.2160 |
| CO-5973 | MH-5981 | MH-5982 | 481.94 | 478.63 | 478.57 | 200.0 | 32 | 3.05 | 475.000 | 0.011 | 0.64 | 1.3669 |
| CO-5974 | MH-5982 | MH-5983 | 481.75 | 478.57 | 478.51 | 200.0 | 26 | 2.91 | 475.000 | 0.011 | 0.64 | 1.3752 |
| CO-5975 | MH-5983 | MH-5984 | 481.55 | 478.51 | 478.45 | 200.0 | 28 | 2.93 | 475.000 | 0.011 | 0.64 | 1.3835 |
| CO-5976 | MH-5984 | MH-5985 | 481.68 | 478.45 | 478.43 | 200.0 | 10 | 3.06 | 475.000 | 0.011 | 0.64 | 1.3918 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6038 | MH-5985 | MH-6041 | 481.73 | 478.38 | 478.30 | 250.0 | 37 | 3.15 | 475.000 | 0.011 | 0.69 | 1.7330 |
| CO-6039 | MH-6041 | MH-6042 | 481.77 | 478.30 | 478.24 | 250.0 | 31 | 3.28 | 475.000 | 0.011 | 0.69 | 1.7413 |
| CO-6040 | MH-6042 | MH-6043 | 481.84 | 478.24 | 478.17 | 250.0 | 31 | 3.37 | 475.000 | 0.011 | 0.69 | 1.7496 |
| CO-6041 | MH-6043 | MH-6044 | 481.82 | 478.17 | 478.14 | 250.0 | 16 | 3.45 | 475.000 | 0.011 | 0.69 | 1.7579 |
| CO-6208 | MH-6044 | MH-6214 | 481.90 | 478.14 | 478.06 | 250.0 | 37 | 3.54 | 475.000 | 0.011 | 0.71 | 1.9576 |
| CO-6209 | MH-6214 | MH-6215 | 481.89 | 478.06 | 478.00 | 250.0 | 31 | 3.56 | 475.000 | 0.011 | 0.71 | 1.9659 |
| CO-6210 | MH-6215 | MH-6216 | 481.79 | 478.00 | 477.92 | 250.0 | 34 | 3.36 | 475.000 | 0.011 | 0.71 | 1.9742 |
| CO-6211 | MH-6216 | MH-6217 | 481.36 | 477.92 | 477.86 | 250.0 | 31 | 2.98 | 475.000 | 0.011 | 0.71 | 1.9825 |
| CO-6212 | MH-6217 | MH-6218 | 480.89 | 477.86 | 477.80 | 250.0 | 30 | 2.80 | 475.000 | 0.011 | 0.71 | 1.9909 |
| CO-6213 | MH-6218 | MH-6219 | 480.87 | 477.80 | 477.73 | 250.0 | 31 | 2.38 | 475.000 | 0.011 | 0.71 | 1.9992 |
| CO-6214 | MH-6219 | MH-6432 | 479.92 | 477.73 | 477.65 | 250.0 | 39 | 1.58 | 475.000 | 0.011 | 0.71 | 2.0075 |
| CO-6427 | MH-6432 | MH-6433 | 479.12 | 477.65 | 477.31 | 250.0 | 35 | 1.18 | 103.149 | 0.011 | 1.27 | 2.0158 |
| CO-6428 | MH-6433 | MH-6434 | 478.70 | 477.31 | 476.92 | 250.0 | 31 | 1.07 | 80.000 | 0.011 | 1.40 | 2.0241 |
| CO-6429 | MH-6434 | MH-6435 | 478.17 | 476.81 | 476.43 | 250.0 | 30 | 1.05 | 80.000 | 0.011 | 1.40 | 2.0325 |
| CO-6430 | MH-6435 | MH-6436 | 477.68 | 476.38 | 476.12 | 250.0 | 20 | 1.03 | 80.000 | 0.011 | 1.40 | 2.0408 |
| CO-6431 | MH-6436 | MH-6437 | 477.37 | 476.12 | 475.97 | 250.0 | 16 | 1.00 | 101.775 | 0.011 | 1.28 | 2.0491 |
| CO-6432 | MH-6437 | MH-6438 | 477.22 | 475.97 | 475.66 | 250.0 | 27 | 1.08 | 88.510 | 0.011 | 1.35 | 2.0574 |
| CO-6437 | MH-6438 | MH-6443 | 477.08 | 475.66 | 475.60 | 250.0 | 30 | 1.21 | 475.000 | 0.011 | 0.72 | 2.0990 |
| CO-6438 | MH-6443 | MH-6444 | 477.10 | 475.60 | 475.54 | 250.0 | 30 | 1.15 | 475.000 | 0.011 | 0.72 | 2.1073 |
| CO-6439 | MH-6444 | MH-6445 | 476.84 | 475.54 | 475.47 | 250.0 | 29 | 1.03 | 459.945 | 0.011 | 0.73 | 2.1157 |
| CO-6440 | MH-6445 | MH-6446 | 476.72 | 475.47 | 475.41 | 250.0 | 30 | 1.26 | 475.000 | 0.011 | 0.72 | 2.1240 |
| CO-6441 | MH-6446 | MH-6447 | 477.17 | 475.41 | 475.25 | 250.0 | 25 | 1.26 | 157.487 | 0.011 | 1.11 | 2.1323 |
| CO-6442 | MH-6447 | MH-6448 | 476.50 | 475.25 | 475.16 | 250.0 | 23 | 1.00 | 267.125 | 0.011 | 0.91 | 2.1406 |
| CO-6447 | MH-6448 | MH-6453 | 476.41 | 475.16 | 475.10 | 250.0 | 30 | 1.44 | 475.000 | 0.011 | 0.73 | 2.1822 |
| CO-6448 | MH-6453 | MH-6454 | 477.23 | 475.10 | 475.04 | 250.0 | 30 | 2.32 | 475.000 | 0.011 | 0.73 | 2.1905 |
| CO-6449 | MH-6454 | MH-6455 | 478.05 | 475.04 | 474.96 | 250.0 | 34 | 3.25 | 475.000 | 0.011 | 0.73 | 2.1989 |
| CO-6464 | MH-6471 | MH-6472 | 479.07 | 478.01 | 477.81 | 150.0 | 29 | 0.98 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6465 | MH-6472 | MH-6473 | 479.00 | 477.81 | 477.54 | 150.0 | 41 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6466 | MH-6473 | MH-6474 | 478.81 | 477.54 | 477.33 | 150.0 | 31 | 1.16 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6467 | MH-6474 | MH-6475 | 478.67 | 477.33 | 477.12 | 150.0 | 32 | 1.12 | 150.000 | 0.010 | 0.38 | 0.0333 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6468 | MH-6475 | MH-6455 | 478.32 | 477.12 | 476.96 | 150.0 | 23 | 1.45 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6495 | MH-6455 | MH-6482 | 478.96 | 474.96 | 474.88 | 250.0 | 40 | 4.15 | 475.000 | 0.011 | 0.73 | 2.2488 |
| CO-6469 | MH-6476 | MH-6477 | 479.45 | 478.38 | 478.18 | 150.0 | 30 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6470 | MH-6477 | MH-6478 | 479.40 | 478.18 | 477.98 | 150.0 | 31 | 1.13 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6471 | MH-6478 | MH-6479 | 479.33 | 477.98 | 477.77 | 150.0 | 31 | 1.30 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6472 | MH-6479 | MH-6480 | 479.33 | 477.77 | 477.57 | 150.0 | 30 | 1.47 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6473 | MH-6480 | MH-6481 | 479.26 | 477.57 | 477.37 | 150.0 | 31 | 1.75 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6474 | MH-6481 | MH-6482 | 479.48 | 477.37 | 477.27 | 150.0 | 14 | 2.11 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6496 | MH-6482 | MH-6489 | 479.69 | 474.88 | 474.81 | 250.0 | 31 | 4.79 | 475.000 | 0.011 | 0.73 | 2.3070 |
| CO-6475 | MH-6483 | MH-6484 | 480.04 | 478.97 | 478.77 | 150.0 | 30 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6476 | MH-6484 | MH-6485 | 480.10 | 478.77 | 478.57 | 150.0 | 30 | 1.33 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6477 | MH-6485 | MH-6486 | 480.21 | 478.57 | 478.36 | 150.0 | 32 | 1.54 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6478 | MH-6486 | MH-6487 | 480.10 | 478.36 | 478.16 | 150.0 | 29 | 1.62 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6479 | MH-6487 | MH-6488 | 479.95 | 478.16 | 477.96 | 150.0 | 30 | 1.65 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6480 | MH-6488 | MH-6489 | 479.77 | 477.96 | 477.81 | 150.0 | 23 | 1.89 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6498 | MH-6489 | MH-6496 | 480.09 | 474.81 | 474.75 | 250.0 | 30 | 5.25 | 475.000 | 0.011 | 0.74 | 2.3652 |
| CO-6960 | MH-6924 | MH-5821 | 484.35 | 483.29 | 483.18 | 150.0 | 16 | 0.93 | 150.000 | 0.010 | 0.31 | 0.0162 |
| CO-5812 | MH-5822 | MH-5812 | 485.38 | 484.31 | 484.24 | 150.0 | 11 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5813 | MH-5812 | MH-5823 | 485.50 | 484.18 | 483.96 | 150.0 | 32 | 1.04 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5815 | MH-5823 | MH-5821 | 485.03 | 483.47 | 483.22 | 150.0 | 37 | 1.16 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5820 | MH-5821 | MH-5828 | 484.28 | 483.18 | 482.96 | 150.0 | 34 | 1.25 | 150.000 | 0.010 | 0.43 | 0.0495 |
| CO-6949 | MH-6919 | MH-5826 | 485.22 | 484.16 | 483.99 | 150.0 | 25 | 1.05 | 150.000 | 0.010 | 0.29 | 0.0130 |
| CO-5818 | MH-5826 | MH-5827 | 485.33 | 483.99 | 483.80 | 150.0 | 29 | 1.08 | 150.000 | 0.010 | 0.33 | 0.0213 |
| CO-5819 | MH-5827 | MH-5828 | 484.92 | 483.76 | 483.60 | 150.0 | 23 | 0.96 | 150.000 | 0.010 | 0.37 | 0.0296 |
| CO-5821 | MH-5828 | MH-5829 | 484.67 | 482.96 | 482.79 | 150.0 | 25 | 1.68 | 150.000 | 0.010 | 0.51 | 0.0874 |
| CO-5826 | MH-5833 | MH-5829 | 484.83 | 482.63 | 482.79 | 150.0 | 23 | 1.92 | 150.000 | 0.010 | 0.52 | 0.0957 |
| CO-5825 | MH-5832 | MH-5833 | 484.76 | 482.47 | 482.63 | 150.0 | 24 | 2.09 | 150.000 | 0.010 | 0.54 | 0.1040 |
| CO-6958 | MH-5832 | MH-6923 | 484.76 | 482.24 | 482.47 | 150.0 | 34 | 2.30 | 150.000 | 0.010 | 0.55 | 0.1124 |
| CO-5801 | MH-5810 | MH-5811 | 485.62 | 484.50 | 484.70 | 150.0 | 30 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5800 | MH-5798 | MH-5810 | 485.59 | 484.26 | 484.50 | 150.0 | 36 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-5770 | MH-5780 | MH-5781 | 485.40 | 484.34 | 484.13 | 150.0 | 31 | 1.16 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5771 | MH-5781 | MH-5782 | 485.68 | 484.13 | 483.90 | 150.0 | 34 | 1.50 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5803 | MH-5813 | MH-5814 | 485.56 | 484.43 | 484.22 | 150.0 | 33 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5805 | MH-5814 | MH-5799 | 485.28 | 484.22 | 483.99 | 150.0 | 33 | 1.16 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5806 | MH-5816 | MH-5817 | 485.21 | 484.15 | 483.95 | 150.0 | 30 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5807 | MH-5817 | MH-5800 | 485.23 | 483.95 | 483.71 | 150.0 | 35 | 1.31 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5768 | MH-5777 | MH-5778 | 485.68 | 484.62 | 484.41 | 150.0 | 31 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5769 | MH-5778 | MH-5779 | 485.69 | 484.31 | 484.07 | 150.0 | 36 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5809 | MH-5818 | MH-5819 | 484.75 | 483.66 | 483.86 | 150.0 | 30 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5808 | MH-5779 | MH-5818 | 485.13 | 483.46 | 483.66 | 150.0 | 30 | 1.23 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5792 | MH-5800 | MH-5779 | 485.36 | 483.31 | 483.46 | 150.0 | 23 | 1.71 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5791 | MH-5799 | MH-5800 | 485.56 | 483.16 | 483.31 | 150.0 | 23 | 2.08 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5790 | MH-5782 | MH-5799 | 485.66 | 483.08 | 483.16 | 150.0 | 12 | 2.34 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5789 | MH-5798 | MH-5782 | 485.59 | 483.01 | 483.08 | 150.0 | 10 | 2.43 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-5788 | MH-5798 | MH-5785 | 485.59 | 482.88 | 483.01 | 150.0 | 19 | 2.36 | 150.000 | 0.010 | 0.59 | 0.1414 |
| CO-5772 | MH-5783 | MH-5784 | 485.34 | 484.23 | 484.03 | 150.0 | 30 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5773 | MH-5784 | MH-5785 | 485.10 | 484.03 | 483.78 | 150.0 | 37 | 1.15 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5787 | MH-5785 | MH-5797 | 485.32 | 482.86 | 482.88 | 150.0 | 4 | 2.32 | 150.000 | 0.010 | 0.62 | 0.1664 |
| CO-5793 | MH-5801 | MH-5802 | 485.18 | 484.12 | 483.98 | 150.0 | 22 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5794 | MH-5802 | MH-5788 | 485.06 | 483.98 | 483.80 | 150.0 | 27 | 1.10 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5782 | MH-5795 | MH-5794 | 484.06 | 483.00 | 482.91 | 150.0 | 14 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5780 | MH-5792 | MH-5793 | 484.33 | 483.27 | 483.06 | 150.0 | 30 | 1.02 | 150.000 | 0.010 | 0.34 | 0.0229 |
| CO-5781 | MH-5793 | MH-5794 | 484.35 | 483.06 | 482.84 | 150.0 | 34 | 1.16 | 150.000 | 0.010 | 0.37 | 0.0312 |
| CO-5784 | MH-5794 | MH-5790 | 484.18 | 482.84 | 482.64 | 150.0 | 29 | 1.53 | 150.000 | 0.010 | 0.43 | 0.0479 |
| CO-6962 | MH-6925 | MH-5789 | 484.66 | 483.60 | 483.44 | 150.0 | 23 | 0.99 | 150.000 | 0.010 | 0.30 | 0.0146 |
| CO-5777 | MH-5789 | MH-5790 | 484.66 | 483.44 | 483.20 | 150.0 | 36 | 1.19 | 150.000 | 0.010 | 0.34 | 0.0229 |
| CO-5785 | MH-5790 | MH-5788 | 484.66 | 482.64 | 482.43 | 150.0 | 32 | 2.25 | 150.000 | 0.010 | 0.49 | 0.0791 |
| CO-5774 | MH-5786 | MH-5787 | 484.81 | 483.73 | 483.56 | 150.0 | 26 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5775 | MH-5787 | MH-5788 | 484.62 | 483.56 | 483.30 | 150.0 | 39 | 1.35 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5786 | MH-5788 | MH-5797 | 485.23 | 482.43 | 482.28 | 150.0 | 22 | 2.78 | 150.000 | 0.010 | 0.56 | 0.1207 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5795 | MH-5797 | MH-5804 | 485.35 | 482.28 | 482.10 | 150.0 | 28 | 3.00 | 150.000 | 0.010 | 0.72 | 0.2954 |
| CO-5796 | MH-5804 | MH-5805 | 485.33 | 482.10 | 481.89 | 150.0 | 30 | 3.23 | 150.000 | 0.010 | 0.73 | 0.3037 |
| CO-5797 | MH-5805 | MH-5806 | 485.41 | 481.89 | 481.81 | 150.0 | 12 | 3.52 | 150.000 | 0.010 | 0.74 | 0.3120 |
| CO-5798 | MH-5806 | MH-5807 | 485.63 | 481.81 | 481.77 | 150.0 | 7 | 3.73 | 150.000 | 0.010 | 0.74 | 0.3203 |
| CO-5799 | MH-5807 | MH-5808 | 485.72 | 481.77 | 481.60 | 150.0 | 26 | 3.69 | 150.000 | 0.010 | 0.75 | 0.3287 |
| CO-5816 | MH-5808 | MH-5825 | 485.33 | 481.60 | 481.39 | 150.0 | 30 | 3.62 | 150.000 | 0.010 | 0.75 | 0.3370 |
| CO-5822 | MH-5825 | MH-6923 | 485.20 | 481.39 | 481.19 | 150.0 | 31 | 3.59 | 150.000 | 0.010 | 0.76 | 0.3453 |
| CO-5829 | MH-6923 | MH-5835 | 484.85 | 481.19 | 480.99 | 150.0 | 29 | 3.36 | 150.000 | 0.010 | 0.82 | 0.4577 |
| CO-5830 | MH-5835 | MH-5836 | 484.35 | 480.99 | 480.75 | 150.0 | 37 | 3.38 | 150.000 | 0.010 | 0.82 | 0.4660 |
| CO-5831 | MH-5836 | MH-5837 | 484.47 | 480.75 | 480.58 | 150.0 | 26 | 3.70 | 150.000 | 0.010 | 0.83 | 0.4743 |
| CO-5833 | MH-5837 | MH-5839 | 484.55 | 480.58 | 480.39 | 150.0 | 28 | 3.89 | 150.000 | 0.010 | 0.83 | 0.4826 |
| CO-6118 | MH-5839 | MH-6125 | 484.49 | 480.39 | 480.26 | 150.0 | 19 | 4.00 | 150.000 | 0.010 | 0.84 | 0.4909 |
| CO-6117 | MH-6124 | MH-6125 | 484.25 | 483.19 | 483.14 | 150.0 | 6 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6119 | MH-6125 | MH-6126 | 484.45 | 480.26 | 480.04 | 150.0 | 33 | 3.95 | 150.000 | 0.010 | 0.84 | 0.5076 |
| CO-6120 | MH-6126 | MH-6127 | 484.04 | 480.04 | 479.83 | 150.0 | 32 | 3.90 | 150.000 | 0.010 | 0.85 | 0.5159 |
| CO-6121 | MH-6127 | MH-6128 | 483.92 | 479.83 | 479.63 | 150.0 | 30 | 3.83 | 150.000 | 0.010 | 0.85 | 0.5242 |
| CO-6122 | MH-6128 | MH-6129 | 483.50 | 479.63 | 479.47 | 150.0 | 24 | 3.78 | 150.000 | 0.010 | 0.85 | 0.5325 |
| CO-6123 | MH-6129 | MH-6366 | 483.45 | 479.47 | 479.24 | 150.0 | 35 | 3.69 | 150.000 | 0.010 | 0.86 | 0.5409 |
| CO-6104 | MH-6115 | MH-6116 | 482.93 | 481.54 | 481.38 | 150.0 | 23 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6105 | MH-6116 | MH-6117 | 482.45 | 481.38 | 481.17 | 150.0 | 31 | 1.21 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6106 | MH-6117 | MH-6118 | 482.84 | 481.17 | 481.02 | 150.0 | 23 | 1.70 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6107 | MH-6118 | MH-6102 | 483.06 | 481.02 | 480.87 | 150.0 | 23 | 2.05 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6099 | MH-6109 | MH-6110 | 483.61 | 482.19 | 482.04 | 150.0 | 23 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6100 | MH-6110 | MH-6111 | 483.10 | 482.04 | 481.84 | 150.0 | 30 | 1.10 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6101 | MH-6111 | MH-6112 | 483.28 | 481.84 | 481.64 | 150.0 | 30 | 1.60 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6102 | MH-6112 | MH-6101 | 483.70 | 481.64 | 481.52 | 150.0 | 18 | 2.11 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6094 | MH-6104 | MH-6105 | 484.00 | 482.78 | 482.69 | 150.0 | 13 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6095 | MH-6105 | MH-6106 | 483.75 | 482.69 | 482.51 | 150.0 | 28 | 1.01 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6096 | MH-6106 | MH-6107 | 483.76 | 482.51 | 482.31 | 150.0 | 30 | 1.31 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6098 | MH-6107 | MH-6100 | 483.97 | 482.31 | 482.15 | 150.0 | 23 | 1.63 | 150.000 | 0.010 | 0.38 | 0.0333 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6076 | MH-6083 | MH-6084 | 483.62 | 482.56 | 482.35 | 150.0 | 31 | 1.15 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6073 | MH-6078 | MH-6079 | 484.79 | 483.29 | 483.06 | 150.0 | 34 | 1.13 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6074 | MH-6079 | MH-6084 | 484.13 | 482.95 | 482.81 | 150.0 | 22 | 0.97 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6077 | MH-6084 | MH-6077 | 483.87 | 482.35 | 482.19 | 150.0 | 24 | 1.35 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6069 | MH-6073 | MH-6074 | 485.21 | 484.14 | 483.96 | 150.0 | 27 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6070 | MH-6074 | MH-6075 | 485.05 | 483.96 | 483.76 | 150.0 | 31 | 0.97 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6071 | MH-6075 | MH-6076 | 484.90 | 483.56 | 483.35 | 150.0 | 31 | 1.05 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6072 | MH-6076 | MH-6077 | 484.42 | 482.87 | 482.61 | 150.0 | 39 | 1.16 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6078 | MH-6077 | MH-6085 | 483.67 | 482.19 | 482.05 | 150.0 | 21 | 1.45 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-6079 | MH-6085 | MH-6086 | 483.77 | 482.05 | 481.90 | 150.0 | 22 | 1.79 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-6087 | MH-6086 | MH-6097 | 484.06 | 481.90 | 481.67 | 150.0 | 34 | 2.05 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-6088 | MH-6097 | MH-6098 | 483.92 | 481.67 | 481.50 | 150.0 | 26 | 2.29 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6089 | MH-6098 | MH-6099 | 484.14 | 481.50 | 481.36 | 150.0 | 20 | 2.57 | 150.000 | 0.010 | 0.54 | 0.1082 |
| CO-6090 | MH-6099 | MH-6100 | 484.16 | 481.36 | 481.26 | 150.0 | 15 | 2.63 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-6091 | MH-6100 | MH-6101 | 484.04 | 481.26 | 481.07 | 150.0 | 29 | 2.69 | 150.000 | 0.010 | 0.60 | 0.1581 |
| CO-6092 | MH-6101 | MH-6102 | 483.97 | 481.07 | 480.88 | 150.0 | 28 | 2.47 | 150.000 | 0.010 | 0.65 | 0.1997 |
| CO-6116 | MH-6102 | MH-6366 | 483.22 | 480.87 | 480.68 | 150.0 | 28 | 2.16 | 150.000 | 0.010 | 0.68 | 0.2413 |
| CO-6075 | MH-6081 | MH-6082 | 483.60 | 482.29 | 482.08 | 150.0 | 32 | 1.03 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6108 | MH-6082 | MH-6089 | 483.15 | 482.06 | 481.83 | 150.0 | 34 | 0.93 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6080 | MH-6087 | MH-6088 | 483.78 | 482.20 | 482.02 | 150.0 | 28 | 1.17 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6081 | MH-6088 | MH-6089 | 483.08 | 481.95 | 481.83 | 150.0 | 17 | 0.95 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6109 | MH-6089 | MH-6092 | 482.90 | 481.83 | 481.67 | 150.0 | 24 | 0.96 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6082 | MH-6090 | MH-6091 | 483.55 | 482.06 | 481.88 | 150.0 | 27 | 1.13 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6083 | MH-6091 | MH-6092 | 482.94 | 481.88 | 481.70 | 150.0 | 26 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6110 | MH-6092 | MH-6096 | 482.82 | 481.59 | 481.40 | 150.0 | 28 | 1.00 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-6084 | MH-6093 | MH-6094 | 483.74 | 482.59 | 482.42 | 150.0 | 25 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6085 | MH-6094 | MH-6095 | 483.49 | 481.66 | 481.49 | 150.0 | 25 | 1.30 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6086 | MH-6095 | MH-6096 | 482.55 | 481.49 | 481.37 | 150.0 | 18 | 0.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6111 | MH-6096 | MH-6119 | 482.46 | 481.37 | 481.32 | 150.0 | 8 | 0.94 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6112 | MH-6119 | MH-6120 | 482.40 | 481.32 | 481.23 | 150.0 | 14 | 1.05 | 150.000 | 0.010 | 0.54 | 0.1082 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6113 | MH-6120 | MH-6121 | 482.55 | 481.23 | 481.13 | 150.0 | 15 | 1.26 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-6114 | MH-6121 | MH-6122 | 482.62 | 481.13 | 480.92 | 150.0 | 31 | 1.48 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-6115 | MH-6122 | MH-6366 | 482.70 | 480.92 | 480.72 | 150.0 | 30 | 1.85 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-6358 | MH-6366 | MH-6367 | 482.94 | 479.22 | 479.15 | 170.0 | 32 | 3.47 | 475.000 | 0.010 | 0.63 | 0.9236 |
| CO-6359 | MH-6367 | MH-6368 | 482.69 | 479.15 | 479.08 | 170.0 | 33 | 3.27 | 475.000 | 0.010 | 0.63 | 0.9319 |
| CO-6360 | MH-6368 | MH-6369 | 482.41 | 479.08 | 479.01 | 170.0 | 33 | 3.04 | 475.000 | 0.010 | 0.63 | 0.9402 |
| CO-6362 | MH-6369 | MH-6370 | 482.10 | 479.01 | 478.96 | 170.0 | 22 | 2.83 | 475.000 | 0.010 | 0.63 | 0.9485 |
| CO-6363 | MH-6370 | MH-6253 | 481.87 | 478.96 | 478.92 | 170.0 | 21 | 2.65 | 475.000 | 0.010 | 0.63 | 0.9568 |
| CO-6352 | MH-6361 | MH-6362 | 482.47 | 481.24 | 481.05 | 150.0 | 29 | 1.00 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6353 | MH-6362 | MH-6363 | 482.11 | 481.05 | 480.83 | 150.0 | 32 | 0.95 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6354 | MH-6363 | MH-6364 | 481.97 | 480.83 | 480.61 | 150.0 | 32 | 0.95 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6356 | MH-6364 | MH-6365 | 481.68 | 480.56 | 480.41 | 150.0 | 23 | 0.94 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6357 | MH-6365 | MH-6252 | 481.47 | 480.31 | 480.13 | 150.0 | 27 | 0.97 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6416 | MH-6421 | MH-6422 | 479.70 | 478.64 | 478.37 | 150.0 | 40 | 1.30 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6417 | MH-6422 | MH-6250 | 480.22 | 478.37 | 478.22 | 150.0 | 23 | 1.90 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6283 | MH-6291 | MH-6292 | 482.53 | 480.87 | 480.63 | 150.0 | 36 | 1.21 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6282 | MH-6289 | MH-6072 | 482.32 | 480.48 | 480.19 | 150.0 | 43 | 1.30 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6801 | MH-6795 | MH-6066 | 482.21 | 480.71 | 480.49 | 150.0 | 33 | 1.13 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6064 | MH-6069 | MH-6068 | 482.15 | 480.90 | 480.76 | 150.0 | 20 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6063 | MH-6067 | MH-6068 | 481.86 | 480.80 | 480.61 | 150.0 | 29 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6065 | MH-6068 | MH-6066 | 481.83 | 480.61 | 480.41 | 150.0 | 29 | 1.03 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6066 | MH-6066 | MH-6070 | 481.56 | 480.30 | 480.09 | 150.0 | 33 | 1.01 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6067 | MH-6070 | MH-6071 | 481.15 | 480.09 | 479.88 | 150.0 | 32 | 1.03 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6068 | MH-6071 | MH-6072 | 481.17 | 479.88 | 479.73 | 150.0 | 22 | 1.26 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-6284 | MH-6292 | MH-6072 | 481.70 | 479.55 | 479.73 | 150.0 | 27 | 1.69 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-6348 | MH-6292 | MH-6358 | 481.70 | 479.55 | 479.33 | 150.0 | 32 | 1.83 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-6349 | MH-6358 | MH-6359 | 481.15 | 479.33 | 479.12 | 150.0 | 32 | 1.65 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6350 | MH-6359 | MH-6360 | 480.91 | 479.12 | 478.90 | 150.0 | 33 | 1.69 | 150.000 | 0.010 | 0.54 | 0.1082 |
| CO-6351 | MH-6360 | MH-6250 | 480.80 | 478.90 | 478.76 | 150.0 | 21 | 1.66 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-6276 | MH-6283 | MH-6284 | 481.14 | 479.74 | 479.54 | 150.0 | 31 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6277 | MH-6284 | MH-6285 | 480.60 | 479.53 | 479.33 | 150.0 | 30 | 0.92 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6278 | MH-6285 | MH-6286 | 480.39 | 479.33 | 479.13 | 150.0 | 30 | 1.00 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6279 | MH-6286 | MH-6249 | 480.35 | 479.13 | 478.98 | 150.0 | 21 | 1.09 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6274 | MH-6281 | MH-6282 | 480.07 | 479.01 | 478.80 | 150.0 | 31 | 0.97 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6275 | MH-6282 | MH-6248 | 479.98 | 478.80 | 478.62 | 150.0 | 27 | 1.09 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6272 | MH-6279 | MH-6280 | 479.80 | 478.65 | 478.46 | 150.0 | 29 | 0.96 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6273 | MH-6280 | MH-6247 | 479.53 | 478.32 | 478.23 | 150.0 | 14 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6270 | MH-6277 | MH-6278 | 479.50 | 478.44 | 478.24 | 150.0 | 30 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6271 | MH-6278 | MH-6246 | 479.30 | 478.19 | 478.00 | 150.0 | 29 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6268 | MH-6275 | MH-6276 | 479.73 | 478.29 | 478.07 | 150.0 | 32 | 1.11 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6269 | MH-6276 | MH-6245 | 479.14 | 478.06 | 477.90 | 150.0 | 24 | 0.92 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6262 | MH-6269 | MH-6270 | 481.44 | 480.16 | 480.10 | 150.0 | 9 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6263 | MH-6270 | MH-6271 | 481.16 | 479.66 | 479.53 | 150.0 | 20 | 1.13 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6264 | MH-6271 | MH-6272 | 480.59 | 479.06 | 478.86 | 150.0 | 30 | 1.15 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6266 | MH-6272 | MH-6274 | 479.92 | 478.47 | 478.27 | 150.0 | 30 | 1.11 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6267 | MH-6274 | MH-6244 | 479.34 | 478.04 | 477.91 | 150.0 | 19 | 1.03 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6256 | MH-6263 | MH-6264 | 481.65 | 479.82 | 479.60 | 150.0 | 32 | 1.30 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6257 | MH-6264 | MH-6265 | 480.67 | 479.24 | 479.04 | 150.0 | 30 | 1.10 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6258 | MH-6265 | MH-6266 | 480.11 | 478.51 | 478.32 | 150.0 | 29 | 1.18 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6259 | MH-6266 | MH-6243 | 479.39 | 478.28 | 478.17 | 150.0 | 16 | 0.94 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6260 | MH-6267 | MH-6268 | 480.60 | 479.12 | 478.92 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6261 | MH-6268 | MH-6242 | 479.98 | 478.77 | 478.56 | 150.0 | 31 | 0.99 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6254 | MH-6261 | MH-6262 | 480.77 | 479.33 | 479.13 | 150.0 | 30 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6255 | MH-6262 | MH-6241 | 480.20 | 478.99 | 478.79 | 150.0 | 30 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6249 | MH-6256 | MH-6257 | 482.73 | 481.35 | 481.16 | 150.0 | 28 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6250 | MH-6257 | MH-6258 | 482.22 | 480.75 | 480.54 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6251 | MH-6258 | MH-6259 | 481.61 | 480.14 | 479.95 | 150.0 | 28 | 1.11 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6252 | MH-6259 | MH-6260 | 481.02 | 479.65 | 479.45 | 150.0 | 30 | 1.07 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6253 | MH-6260 | MH-6240 | 480.51 | 479.20 | 478.97 | 150.0 | 33 | 1.04 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6247 | MH-6254 | MH-6255 | 481.33 | 479.80 | 479.60 | 150.0 | 30 | 1.15 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6248 | MH-6255 | MH-6239 | 480.66 | 479.28 | 479.07 | 150.0 | 30 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6230 | MH-6236 | MH-6237 | 481.56 | 479.94 | 479.73 | 150.0 | 31 | 1.19 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6231 | MH-6237 | MH-6238 | 480.79 | 479.41 | 479.19 | 150.0 | 34 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6232 | MH-6238 | MH-6239 | 480.25 | 479.19 | 479.04 | 150.0 | 21 | 0.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6233 | MH-6239 | MH-6240 | 480.14 | 479.04 | 478.90 | 150.0 | 21 | 0.97 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6234 | MH-6240 | MH-6241 | 480.04 | 478.90 | 478.76 | 150.0 | 22 | 0.96 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6235 | MH-6241 | MH-6242 | 479.85 | 478.70 | 478.56 | 150.0 | 21 | 0.96 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-6236 | MH-6242 | MH-6243 | 479.63 | 478.31 | 478.17 | 150.0 | 21 | 1.04 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-6237 | MH-6243 | MH-6244 | 479.24 | 478.06 | 477.91 | 150.0 | 22 | 0.97 | 150.000 | 0.010 | 0.64 | 0.1914 |
| CO-6238 | MH-6244 | MH-6245 | 478.98 | 477.91 | 477.78 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.68 | 0.2413 |
| CO-6239 | MH-6245 | MH-6246 | 478.96 | 477.78 | 477.66 | 150.0 | 18 | 1.15 | 150.000 | 0.010 | 0.70 | 0.2662 |
| CO-6240 | MH-6246 | MH-6247 | 479.07 | 477.66 | 477.53 | 150.0 | 19 | 1.43 | 150.000 | 0.010 | 0.72 | 0.2912 |
| CO-6241 | MH-6247 | MH-6248 | 479.29 | 477.53 | 477.41 | 150.0 | 18 | 1.98 | 150.000 | 0.010 | 0.74 | 0.3161 |
| CO-6242 | MH-6248 | MH-6249 | 479.92 | 477.41 | 477.29 | 150.0 | 18 | 2.58 | 150.000 | 0.010 | 0.76 | 0.3411 |
| CO-6243 | MH-6249 | MH-6250 | 480.24 | 477.29 | 477.17 | 150.0 | 19 | 2.98 | 150.000 | 0.010 | 0.78 | 0.3827 |
| CO-6244 | MH-6250 | MH-6251 | 480.47 | 477.17 | 477.11 | 150.0 | 9 | 3.27 | 150.000 | 0.010 | 0.85 | 0.5241 |
| CO-6245 | MH-6251 | MH-6252 | 480.63 | 477.11 | 476.92 | 150.0 | 28 | 3.75 | 150.000 | 0.010 | 0.85 | 0.5325 |
| CO-6246 | MH-6252 | MH-6253 | 481.19 | 476.92 | 476.72 | 150.0 | 30 | 4.45 | 150.000 | 0.010 | 0.87 | 0.5824 |
| CO-6515 | MH-6517 | MH-6253 | 481.58 | 480.51 | 480.27 | 150.0 | 36 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6424 | MH-6253 | MH-6430 | 481.65 | 476.67 | 476.60 | 200.0 | 37 | 4.52 | 475.000 | 0.010 | 0.71 | 1.5559 |
| CO-6425 | MH-6430 | MH-6431 | 481.05 | 476.60 | 476.54 | 200.0 | 28 | 4.10 | 475.000 | 0.010 | 0.71 | 1.5642 |
| CO-6426 | MH-6431 | MH-6387 | 480.68 | 476.54 | 476.50 | 200.0 | 18 | 3.93 | 475.000 | 0.010 | 0.71 | 1.5725 |
| CO-6421 | MH-6426 | MH-6427 | 481.06 | 479.69 | 479.51 | 150.0 | 27 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6422 | MH-6427 | MH-6428 | 480.57 | 479.38 | 479.17 | 150.0 | 32 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6423 | MH-6428 | MH-6386 | 480.23 | 479.10 | 478.98 | 150.0 | 18 | 0.95 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6418 | MH-6423 | MH-6424 | 480.54 | 479.36 | 479.20 | 150.0 | 24 | 0.97 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6419 | MH-6424 | MH-6425 | 480.26 | 478.93 | 478.74 | 150.0 | 30 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6420 | MH-6425 | MH-6385 | 479.80 | 478.58 | 478.41 | 150.0 | 24 | 0.99 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6413 | MH-6418 | MH-6419 | 480.11 | 478.75 | 478.53 | 150.0 | 32 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6414 | MH-6419 | MH-6420 | 479.60 | 478.45 | 478.24 | 150.0 | 31 | 0.96 | 150.000 | 0.010 | 0.31 | 0.0166 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6415 | MH-6420 | MH-6384 | 479.30 | 478.10 | 478.03 | 150.0 | 11 | 0.98 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6410 | MH-6415 | MH-6416 | 479.79 | 478.43 | 478.24 | 150.0 | 29 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6411 | MH-6416 | MH-6417 | 479.30 | 478.02 | 477.82 | 150.0 | 29 | 1.03 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6412 | MH-6417 | MH-6383 | 478.89 | 477.82 | 477.71 | 150.0 | 17 | 0.95 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6407 | MH-6412 | MH-6413 | 479.28 | 478.16 | 477.99 | 150.0 | 25 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6408 | MH-6413 | MH-6414 | 479.05 | 477.94 | 477.72 | 150.0 | 33 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6409 | MH-6414 | MH-6382 | 478.79 | 477.68 | 477.56 | 150.0 | 18 | 0.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6404 | MH-6409 | MH-6410 | 479.01 | 477.95 | 477.76 | 150.0 | 29 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6405 | MH-6410 | MH-6411 | 478.85 | 477.76 | 477.60 | 150.0 | 23 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6406 | MH-6411 | MH-6381 | 478.78 | 477.44 | 477.28 | 150.0 | 24 | 1.05 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6401 | MH-6406 | MH-6407 | 478.78 | 477.57 | 477.39 | 150.0 | 27 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6402 | MH-6407 | MH-6408 | 478.45 | 477.34 | 477.17 | 150.0 | 26 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6403 | MH-6408 | MH-6380 | 478.23 | 477.17 | 477.02 | 150.0 | 22 | 0.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6398 | MH-6403 | MH-6404 | 478.88 | 477.50 | 477.35 | 150.0 | 23 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6399 | MH-6404 | MH-6405 | 478.41 | 477.29 | 477.07 | 150.0 | 33 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6400 | MH-6405 | MH-6379 | 478.13 | 477.04 | 476.90 | 150.0 | 21 | 0.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6394 | MH-6400 | MH-6401 | 479.11 | 477.48 | 477.29 | 150.0 | 29 | 1.19 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6396 | MH-6401 | MH-6402 | 478.36 | 477.09 | 476.88 | 150.0 | 31 | 1.02 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6397 | MH-6402 | MH-6378 | 477.94 | 476.88 | 476.79 | 150.0 | 14 | 0.92 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6391 | MH-6397 | MH-6398 | 479.47 | 477.89 | 477.71 | 150.0 | 27 | 1.17 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6392 | MH-6398 | MH-6399 | 478.77 | 477.37 | 477.15 | 150.0 | 33 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6393 | MH-6399 | MH-6377 | 478.22 | 476.97 | 476.86 | 150.0 | 16 | 1.01 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6384 | MH-6391 | MH-6392 | 479.66 | 477.97 | 477.77 | 150.0 | 30 | 1.22 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6385 | MH-6392 | MH-6393 | 478.84 | 477.46 | 477.25 | 150.0 | 30 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6386 | MH-6393 | MH-6376 | 478.32 | 477.06 | 476.96 | 150.0 | 15 | 1.01 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6387 | MH-6394 | MH-6395 | 479.83 | 478.06 | 477.84 | 150.0 | 32 | 1.27 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6389 | MH-6395 | MH-6396 | 478.90 | 477.57 | 477.38 | 150.0 | 27 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6390 | MH-6396 | MH-6375 | 478.45 | 477.17 | 477.07 | 150.0 | 16 | 1.02 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6381 | MH-6388 | MH-6389 | 480.02 | 478.35 | 478.16 | 150.0 | 28 | 1.22 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6382 | MH-6389 | MH-6390 | 479.22 | 477.72 | 477.53 | 150.0 | 30 | 1.13 | 150.000 | 0.010 | 0.31 | 0.0166 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6383 | MH-6390 | MH-6374 | 478.59 | 477.35 | 477.22 | 150.0 | 20 | 1.00 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6364 | MH-6371 | MH-6372 | 480.10 | 478.31 | 478.10 | 150.0 | 30 | 1.28 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6365 | MH-6372 | MH-6373 | 479.17 | 477.78 | 477.59 | 150.0 | 29 | 1.08 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6366 | MH-6373 | MH-6232 | 478.65 | 477.53 | 477.41 | 150.0 | 19 | 0.94 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6221 | MH-6227 | MH-6228 | 481.49 | 479.98 | 479.77 | 150.0 | 31 | 1.14 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6222 | MH-6228 | MH-6229 | 480.84 | 479.52 | 479.31 | 150.0 | 31 | 1.04 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6223 | MH-6229 | MH-6230 | 480.38 | 478.62 | 478.42 | 150.0 | 31 | 1.26 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6224 | MH-6230 | MH-6231 | 479.48 | 478.04 | 477.85 | 150.0 | 29 | 1.10 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6225 | MH-6231 | MH-6226 | 478.91 | 477.84 | 477.69 | 150.0 | 22 | 0.92 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6216 | MH-6222 | MH-6223 | 481.28 | 479.85 | 479.65 | 150.0 | 30 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6217 | MH-6223 | MH-6224 | 480.71 | 479.37 | 479.15 | 150.0 | 32 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6218 | MH-6224 | MH-6225 | 480.22 | 478.59 | 478.37 | 150.0 | 33 | 1.20 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6219 | MH-6225 | MH-6221 | 479.43 | 478.32 | 478.05 | 150.0 | 40 | 0.94 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6814 | MH-6801 | MH-6221 | 479.12 | 478.06 | 477.93 | 150.0 | 20 | 0.98 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6220 | MH-6221 | MH-6226 | 479.12 | 477.82 | 477.69 | 150.0 | 19 | 1.03 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6226 | MH-6226 | MH-6232 | 478.76 | 477.54 | 477.41 | 150.0 | 21 | 0.99 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6367 | MH-6232 | MH-6374 | 478.47 | 477.37 | 477.22 | 150.0 | 22 | 0.93 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-6368 | MH-6374 | MH-6375 | 478.29 | 477.21 | 477.07 | 150.0 | 21 | 0.92 | 150.000 | 0.010 | 0.62 | 0.1664 |
| CO-6369 | MH-6375 | MH-6376 | 478.13 | 477.07 | 476.91 | 150.0 | 23 | 0.94 | 150.000 | 0.010 | 0.65 | 0.1997 |
| CO-6370 | MH-6376 | MH-6377 | 478.03 | 476.91 | 476.78 | 150.0 | 20 | 0.98 | 150.000 | 0.010 | 0.68 | 0.2330 |
| CO-6371 | MH-6377 | MH-6378 | 477.93 | 476.78 | 476.64 | 150.0 | 21 | 1.03 | 150.000 | 0.010 | 0.70 | 0.2662 |
| CO-6372 | MH-6378 | MH-6379 | 477.86 | 476.64 | 476.48 | 150.0 | 23 | 1.20 | 150.000 | 0.010 | 0.73 | 0.2995 |
| CO-6373 | MH-6379 | MH-6380 | 477.97 | 476.48 | 476.36 | 150.0 | 19 | 1.47 | 150.000 | 0.010 | 0.75 | 0.3328 |
| CO-6450 | MH-6456 | MH-6457 | 477.21 | 476.15 | 475.94 | 150.0 | 32 | 1.18 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6451 | MH-6457 | MH-6458 | 477.53 | 475.94 | 475.71 | 150.0 | 34 | 1.72 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6452 | MH-6458 | MH-6380 | 477.87 | 475.71 | 475.59 | 150.0 | 18 | 2.19 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6374 | MH-6380 | MH-6381 | 478.12 | 475.59 | 475.47 | 150.0 | 19 | 2.55 | 150.000 | 0.010 | 0.79 | 0.3910 |
| CO-6453 | MH-6459 | MH-6460 | 477.45 | 476.39 | 476.18 | 150.0 | 31 | 1.21 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6454 | MH-6460 | MH-6461 | 477.84 | 476.18 | 475.99 | 150.0 | 27 | 1.72 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6455 | MH-6461 | MH-6381 | 478.07 | 475.99 | 475.86 | 150.0 | 20 | 2.13 | 150.000 | 0.010 | 0.35 | 0.0250 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6375 | MH-6381 | MH-6382 | 478.35 | 475.47 | 475.35 | 150.0 | 18 | 2.93 | 150.000 | 0.010 | 0.82 | 0.4493 |
| CO-6456 | MH-6462 | MH-6463 | 478.10 | 477.03 | 476.81 | 150.0 | 34 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6457 | MH-6463 | MH-6464 | 478.18 | 476.81 | 476.63 | 150.0 | 27 | 1.44 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6458 | MH-6464 | MH-6382 | 478.44 | 476.63 | 476.49 | 150.0 | 21 | 1.82 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6376 | MH-6382 | MH-6383 | 478.63 | 475.35 | 475.23 | 150.0 | 18 | 3.30 | 150.000 | 0.010 | 0.84 | 0.5075 |
| CO-6459 | MH-6465 | MH-6383 | 478.46 | 477.40 | 477.13 | 150.0 | 40 | 1.24 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6377 | MH-6383 | MH-6384 | 478.85 | 475.23 | 475.12 | 150.0 | 17 | 3.65 | 150.000 | 0.010 | 0.86 | 0.5491 |
| CO-6378 | MH-6384 | MH-6385 | 479.09 | 475.12 | 474.90 | 150.0 | 32 | 4.12 | 150.000 | 0.010 | 0.87 | 0.5824 |
| CO-6379 | MH-6385 | MH-6386 | 479.48 | 474.90 | 474.71 | 150.0 | 29 | 4.80 | 150.000 | 0.010 | 0.89 | 0.6157 |
| CO-6380 | MH-6386 | MH-6387 | 480.04 | 474.71 | 474.51 | 150.0 | 30 | 5.57 | 150.000 | 0.010 | 0.90 | 0.6489 |
| CO-6481 | MH-6490 | MH-6387 | 480.87 | 479.80 | 479.54 | 150.0 | 39 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6482 | MH-6387 | MH-6491 | 480.61 | 474.41 | 474.35 | 250.0 | 29 | 5.91 | 475.000 | 0.010 | 0.79 | 2.2381 |
| CO-6483 | MH-6491 | MH-6492 | 480.47 | 474.35 | 474.28 | 250.0 | 32 | 5.91 | 475.000 | 0.010 | 0.79 | 2.2464 |
| CO-6484 | MH-6492 | MH-6493 | 480.47 | 474.28 | 474.21 | 250.0 | 31 | 6.03 | 475.000 | 0.010 | 0.79 | 2.2547 |
| CO-6485 | MH-6493 | MH-6494 | 480.57 | 474.21 | 474.14 | 250.0 | 32 | 6.02 | 475.000 | 0.010 | 0.79 | 2.2630 |
| CO-6486 | MH-6494 | MH-6495 | 480.33 | 474.14 | 474.08 | 250.0 | 31 | 5.92 | 475.000 | 0.010 | 0.79 | 2.2713 |
| CO-6487 | MH-6495 | MH-6496 | 480.23 | 474.08 | 474.01 | 250.0 | 30 | 6.05 | 475.000 | 0.010 | 0.79 | 2.2797 |
| CO-6499 | MH-6496 | MH-6504 | 480.47 | 473.91 | 473.85 | 350.0 | 29 | 6.26 | 475.000 | 0.011 | 0.88 | 4.6532 |
| CO-6488 | MH-6497 | MH-6498 | 480.88 | 479.82 | 479.61 | 150.0 | 31 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6489 | MH-6498 | MH-6499 | 480.75 | 479.61 | 479.41 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6490 | MH-6499 | MH-6500 | 480.65 | 479.41 | 479.19 | 150.0 | 32 | 1.21 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6491 | MH-6500 | MH-6501 | 480.68 | 479.19 | 478.98 | 150.0 | 32 | 1.42 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6492 | MH-6501 | MH-6502 | 480.64 | 478.98 | 478.77 | 150.0 | 32 | 1.57 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-6493 | MH-6502 | MH-6503 | 480.56 | 478.77 | 478.59 | 150.0 | 27 | 1.66 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6494 | MH-6503 | MH-6504 | 480.42 | 478.59 | 478.39 | 150.0 | 30 | 1.83 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-6500 | MH-6504 | MH-6505 | 480.52 | 473.85 | 473.79 | 350.0 | 30 | 6.26 | 475.000 | 0.011 | 0.89 | 4.7198 |
| CO-6501 | MH-6505 | MH-6506 | 480.35 | 473.79 | 473.72 | 350.0 | 32 | 6.08 | 475.000 | 0.011 | 0.89 | 4.7281 |
| CO-6502 | MH-6506 | MH-6507 | 480.02 | 473.72 | 473.66 | 350.0 | 31 | 5.77 | 475.000 | 0.011 | 0.89 | 4.7364 |
| CO-6503 | MH-6507 | MH-6508 | 479.61 | 473.66 | 473.59 | 350.0 | 31 | 5.40 | 475.000 | 0.011 | 0.89 | 4.7448 |
| CO-6504 | MH-6508 | MH-6509 | 479.15 | 473.59 | 473.52 | 350.0 | 34 | 5.01 | 475.000 | 0.011 | 0.89 | 4.7531 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6505 | MH-6509 | MH-6510 | 478.68 | 473.52 | 473.45 | 350.0 | 34 | 4.64 | 475.000 | 0.011 | 0.89 | 4.7614 |
| CO-6506 | MH-6510 | MH-6511 | 478.27 | 473.45 | 473.37 | 350.0 | 37 | 4.30 | 475.000 | 0.011 | 0.89 | 4.7697 |
| CO-6290 | MH-6296 | MH-6210 | 478.73 | 477.28 | 477.00 | 150.0 | 42 | 1.11 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6289 | MH-6295 | MH-6209 | 479.22 | 477.84 | 477.66 | 150.0 | 27 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6288 | MH-6294 | MH-6208 | 479.86 | 478.48 | 478.25 | 150.0 | 35 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6180 | MH-6188 | MH-6189 | 480.75 | 479.69 | 479.46 | 150.0 | 34 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6181 | MH-6189 | MH-6190 | 480.77 | 479.46 | 479.25 | 150.0 | 32 | 1.33 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6182 | MH-6190 | MH-6191 | 480.90 | 479.25 | 479.04 | 150.0 | 31 | 1.34 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6183 | MH-6191 | MH-6192 | 480.38 | 479.04 | 478.94 | 150.0 | 16 | 1.16 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6176 | MH-6184 | MH-6185 | 480.07 | 479.00 | 478.80 | 150.0 | 30 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6177 | MH-6185 | MH-6186 | 480.06 | 478.80 | 478.61 | 150.0 | 30 | 1.28 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6178 | MH-6186 | MH-6187 | 480.22 | 478.61 | 478.41 | 150.0 | 29 | 1.56 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6179 | MH-6187 | MH-6183 | 480.23 | 478.41 | 478.31 | 150.0 | 16 | 1.77 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6153 | MH-6160 | MH-6158 | 480.77 | 479.70 | 479.44 | 150.0 | 39 | 1.04 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6149 | MH-6156 | MH-6157 | 481.28 | 480.21 | 480.02 | 150.0 | 30 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6150 | MH-6157 | MH-6155 | 481.14 | 480.02 | 479.93 | 150.0 | 12 | 1.00 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6146 | MH-6153 | MH-6154 | 481.77 | 480.70 | 480.51 | 150.0 | 29 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6147 | MH-6154 | MH-6152 | 481.64 | 480.51 | 480.27 | 150.0 | 36 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6140 | MH-6147 | MH-6148 | 482.14 | 481.08 | 480.87 | 150.0 | 31 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6141 | MH-6148 | MH-6149 | 482.08 | 480.87 | 480.67 | 150.0 | 30 | 1.16 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6142 | MH-6149 | MH-6150 | 482.07 | 480.67 | 480.46 | 150.0 | 31 | 1.47 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6143 | MH-6150 | MH-6146 | 482.29 | 480.46 | 480.37 | 150.0 | 13 | 1.70 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6135 | MH-6142 | MH-6143 | 482.60 | 481.54 | 481.34 | 150.0 | 30 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6136 | MH-6143 | MH-6144 | 482.67 | 481.34 | 481.14 | 150.0 | 30 | 1.32 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6137 | MH-6144 | MH-6141 | 482.75 | 481.14 | 480.93 | 150.0 | 31 | 1.51 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6130 | MH-6137 | MH-6138 | 483.18 | 482.05 | 481.84 | 150.0 | 32 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6131 | MH-6138 | MH-6139 | 482.90 | 481.84 | 481.67 | 150.0 | 25 | 1.02 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6132 | MH-6139 | MH-6136 | 482.95 | 481.67 | 481.54 | 150.0 | 20 | 1.09 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6128 | MH-6135 | MH-6134 | 483.53 | 482.31 | 482.12 | 150.0 | 29 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6124 | MH-6130 | MH-6131 | 483.88 | 482.81 | 482.61 | 150.0 | 30 | 0.92 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6125 | MH-6131 | MH-6132 | 483.67 | 482.61 | 482.41 | 150.0 | 30 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6126 | MH-6132 | MH-6133 | 483.52 | 482.41 | 482.22 | 150.0 | 28 | 0.99 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6127 | MH-6133 | MH-6134 | 483.38 | 482.22 | 482.09 | 150.0 | 19 | 0.98 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6129 | MH-6134 | MH-6136 | 483.19 | 481.88 | 481.68 | 150.0 | 30 | 1.04 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6133 | MH-6136 | MH-6140 | 482.74 | 481.54 | 481.45 | 150.0 | 13 | 1.04 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-6134 | MH-6140 | MH-6141 | 482.63 | 481.45 | 481.38 | 150.0 | 11 | 1.07 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-6138 | MH-6141 | MH-6145 | 482.65 | 480.93 | 480.87 | 150.0 | 9 | 1.87 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-6139 | MH-6145 | MH-6146 | 483.19 | 480.87 | 480.79 | 150.0 | 12 | 1.74 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-6144 | MH-6146 | MH-6151 | 482.25 | 480.37 | 480.30 | 150.0 | 12 | 1.62 | 150.000 | 0.010 | 0.63 | 0.1747 |
| CO-6145 | MH-6151 | MH-6152 | 481.96 | 480.30 | 480.22 | 150.0 | 12 | 1.36 | 150.000 | 0.010 | 0.63 | 0.1830 |
| CO-6148 | MH-6152 | MH-6155 | 481.58 | 480.20 | 480.04 | 150.0 | 23 | 1.07 | 150.000 | 0.010 | 0.66 | 0.2080 |
| CO-6151 | MH-6155 | MH-6158 | 481.11 | 479.85 | 479.70 | 150.0 | 22 | 1.01 | 150.000 | 0.010 | 0.68 | 0.2330 |
| CO-6175 | MH-6158 | MH-6183 | 480.76 | 479.40 | 479.27 | 150.0 | 20 | 1.06 | 150.000 | 0.010 | 0.69 | 0.2496 |
| CO-6185 | MH-6183 | MH-6194 | 480.33 | 478.31 | 478.07 | 150.0 | 36 | 2.20 | 150.000 | 0.010 | 0.72 | 0.2912 |
| CO-6186 | MH-6194 | MH-6195 | 480.73 | 478.07 | 477.81 | 150.0 | 38 | 2.50 | 150.000 | 0.010 | 0.73 | 0.2995 |
| CO-6187 | MH-6195 | MH-6196 | 480.44 | 477.81 | 477.64 | 150.0 | 26 | 2.43 | 150.000 | 0.010 | 0.74 | 0.3078 |
| CO-6188 | MH-6196 | MH-6193 | 480.17 | 477.64 | 477.49 | 150.0 | 23 | 2.37 | 150.000 | 0.010 | 0.74 | 0.3161 |
| CO-6184 | MH-6192 | MH-6193 | 480.22 | 477.34 | 477.49 | 150.0 | 23 | 2.55 | 150.000 | 0.010 | 0.74 | 0.3245 |
| CO-6191 | MH-6192 | MH-6197 | 480.22 | 477.34 | 477.15 | 150.0 | 29 | 2.97 | 150.000 | 0.010 | 0.77 | 0.3661 |
| CO-6168 | MH-6175 | MH-6176 | 481.56 | 480.47 | 480.23 | 150.0 | 36 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6169 | MH-6176 | MH-6177 | 481.30 | 480.02 | 479.78 | 150.0 | 35 | 1.02 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6165 | MH-6172 | MH-6173 | 481.88 | 480.82 | 480.61 | 150.0 | 31 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6166 | MH-6173 | MH-6174 | 481.71 | 480.60 | 480.39 | 150.0 | 31 | 0.94 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6167 | MH-6174 | MH-6166 | 481.46 | 480.39 | 480.17 | 150.0 | 34 | 0.92 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6162 | MH-6169 | MH-6170 | 482.96 | 481.35 | 481.15 | 150.0 | 30 | 1.19 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6163 | MH-6170 | MH-6171 | 482.21 | 481.11 | 480.94 | 150.0 | 25 | 0.93 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6164 | MH-6171 | MH-6165 | 482.01 | 480.94 | 480.69 | 150.0 | 38 | 0.92 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6160 | MH-6167 | MH-6168 | 482.63 | 481.57 | 481.36 | 150.0 | 31 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6161 | MH-6168 | MH-6164 | 482.48 | 481.29 | 480.91 | 150.0 | 58 | 0.97 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6804 | MH-6796 | MH-6161 | 483.15 | 482.03 | 481.87 | 150.0 | 25 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6155 | MH-6161 | MH-6162 | 482.93 | 481.76 | 481.56 | 150.0 | 31 | 0.97 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6156 | MH-6162 | MH-6163 | 482.62 | 481.56 | 481.37 | 150.0 | 28 | 0.91 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6157 | MH-6163 | MH-6164 | 482.44 | 481.17 | 480.91 | 150.0 | 40 | 1.01 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6158 | MH-6164 | MH-6165 | 481.97 | 480.83 | 480.69 | 150.0 | 22 | 0.95 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-6159 | MH-6165 | MH-6166 | 481.75 | 480.35 | 480.18 | 150.0 | 25 | 1.08 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-6802 | MH-6166 | MH-6177 | 481.25 | 479.92 | 479.78 | 150.0 | 22 | 1.04 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-6189 | MH-6177 | MH-6197 | 480.84 | 479.51 | 479.43 | 150.0 | 12 | 1.05 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-6190 | MH-6197 | MH-6178 | 480.49 | 477.15 | 477.02 | 150.0 | 19 | 3.22 | 150.000 | 0.010 | 0.85 | 0.5241 |
| CO-6285 | MH-6178 | MH-6179 | 480.40 | 477.02 | 476.80 | 150.0 | 33 | 3.27 | 150.000 | 0.010 | 0.85 | 0.5325 |
| CO-6286 | MH-6179 | MH-6293 | 480.25 | 476.80 | 476.64 | 150.0 | 24 | 3.21 | 150.000 | 0.010 | 0.86 | 0.5408 |
| CO-6287 | MH-6293 | MH-6207 | 479.91 | 476.64 | 476.52 | 150.0 | 17 | 3.10 | 150.000 | 0.010 | 0.86 | 0.5491 |
| CO-6201 | MH-6206 | MH-6205 | 480.47 | 479.19 | 479.02 | 150.0 | 26 | 1.02 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6196 | MH-6201 | MH-6203 | 480.18 | 479.08 | 478.92 | 150.0 | 23 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6197 | MH-6203 | MH-6202 | 479.99 | 478.92 | 478.79 | 150.0 | 20 | 1.03 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6198 | MH-6202 | MH-6204 | 480.07 | 478.79 | 478.57 | 150.0 | 32 | 1.36 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6199 | MH-6204 | MH-6199 | 480.31 | 478.57 | 478.43 | 150.0 | 22 | 1.73 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-6193 | MH-6198 | MH-6200 | 480.71 | 479.65 | 479.52 | 150.0 | 19 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6194 | MH-6200 | MH-6199 | 480.62 | 479.52 | 479.39 | 150.0 | 20 | 0.93 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6200 | MH-6199 | MH-6205 | 480.45 | 478.43 | 478.28 | 150.0 | 23 | 1.77 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-6202 | MH-6205 | MH-6207 | 480.08 | 478.28 | 478.13 | 150.0 | 22 | 1.57 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-6203 | MH-6207 | MH-6208 | 479.76 | 476.52 | 476.37 | 150.0 | 23 | 2.94 | 150.000 | 0.010 | 0.89 | 0.6323 |
| CO-6204 | MH-6208 | MH-6209 | 479.31 | 476.37 | 476.22 | 150.0 | 23 | 2.57 | 150.000 | 0.010 | 0.90 | 0.6489 |
| CO-6205 | MH-6209 | MH-6210 | 478.72 | 476.22 | 476.07 | 150.0 | 23 | 2.10 | 150.000 | 0.010 | 0.90 | 0.6656 |
| CO-6206 | MH-6210 | MH-6211 | 478.06 | 476.07 | 475.93 | 150.0 | 21 | 1.58 | 150.000 | 0.010 | 0.91 | 0.6822 |
| CO-6207 | MH-6211 | MH-6212 | 477.41 | 475.93 | 475.77 | 150.0 | 24 | 1.27 | 150.000 | 0.010 | 0.91 | 0.6905 |
| CO-6309 | MH-6212 | MH-6317 | 477.14 | 475.77 | 475.56 | 150.0 | 31 | 1.24 | 150.000 | 0.010 | 0.92 | 0.6989 |
| CO-6310 | MH-6317 | MH-6315 | 476.98 | 475.56 | 475.34 | 150.0 | 33 | 1.75 | 150.000 | 0.010 | 0.92 | 0.7072 |
| CO-6306 | MH-6313 | MH-6314 | 477.37 | 476.31 | 476.10 | 150.0 | 30 | 0.99 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6307 | MH-6314 | MH-6312 | 477.31 | 476.10 | 475.89 | 150.0 | 31 | 1.43 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6303 | MH-6310 | MH-6311 | 477.94 | 476.87 | 476.67 | 150.0 | 31 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6304 | MH-6311 | MH-6309 | 477.92 | 476.67 | 476.46 | 150.0 | 31 | 1.37 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6300 | MH-6307 | MH-6308 | 478.65 | 477.58 | 477.38 | 150.0 | 31 | 0.95 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6301 | MH-6308 | MH-6306 | 478.50 | 477.38 | 477.19 | 150.0 | 27 | 1.16 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6297 | MH-6304 | MH-6305 | 479.25 | 478.14 | 477.95 | 150.0 | 29 | 0.94 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6298 | MH-6305 | MH-6303 | 479.01 | 477.95 | 477.73 | 150.0 | 33 | 1.11 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6294 | MH-6301 | MH-6302 | 479.75 | 478.66 | 478.47 | 150.0 | 27 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6295 | MH-6302 | MH-6300 | 479.54 | 478.47 | 478.23 | 150.0 | 36 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6291 | MH-6297 | MH-6298 | 480.04 | 478.98 | 478.80 | 150.0 | 27 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6292 | MH-6298 | MH-6299 | 480.17 | 478.80 | 478.56 | 150.0 | 35 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6293 | MH-6299 | MH-6300 | 479.63 | 478.51 | 478.36 | 150.0 | 22 | 0.94 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6296 | MH-6300 | MH-6303 | 479.43 | 478.23 | 478.09 | 150.0 | 22 | 0.99 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6299 | MH-6303 | MH-6306 | 479.17 | 477.73 | 477.57 | 150.0 | 24 | 1.14 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-6302 | MH-6306 | MH-6309 | 478.69 | 477.19 | 477.04 | 150.0 | 22 | 1.19 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-6305 | MH-6309 | MH-6312 | 478.23 | 476.46 | 476.32 | 150.0 | 20 | 1.50 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-6308 | MH-6312 | MH-6315 | 477.85 | 475.89 | 475.72 | 150.0 | 27 | 1.84 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-6311 | MH-6315 | MH-6320 | 477.73 | 475.32 | 475.25 | 170.0 | 34 | 2.15 | 475.000 | 0.010 | 0.62 | 0.8652 |
| CO-6312 | MH-6320 | MH-6321 | 477.49 | 475.25 | 475.19 | 170.0 | 29 | 2.24 | 475.000 | 0.010 | 0.62 | 0.8736 |
| CO-6313 | MH-6321 | MH-6322 | 477.78 | 475.19 | 475.13 | 170.0 | 29 | 2.51 | 475.000 | 0.010 | 0.62 | 0.8819 |
| CO-6314 | MH-6322 | MH-6323 | 477.89 | 475.13 | 475.08 | 170.0 | 25 | 2.68 | 475.000 | 0.010 | 0.62 | 0.8902 |
| CO-6315 | MH-6323 | MH-6324 | 478.01 | 475.08 | 475.01 | 170.0 | 31 | 2.80 | 475.000 | 0.010 | 0.62 | 0.8985 |
| CO-6316 | MH-6324 | MH-6325 | 478.01 | 475.01 | 474.97 | 170.0 | 20 | 2.75 | 475.000 | 0.010 | 0.62 | 0.9068 |
| CO-6508 | MH-6325 | MH-6512 | 477.81 | 474.97 | 474.93 | 170.0 | 19 | 2.51 | 475.000 | 0.010 | 0.63 | 0.9152 |
| CO-6509 | MH-6512 | MH-6511 | 477.45 | 474.93 | 474.88 | 170.0 | 24 | 2.57 | 475.000 | 0.010 | 0.63 | 0.9235 |
| CO-6516 | MH-6511 | MH-6518 | 477.84 | 473.37 | 473.30 | 350.0 | 32 | 3.95 | 475.000 | 0.011 | 0.92 | 5.7015 |
| CO-6517 | MH-6518 | MH-6519 | 477.44 | 473.30 | 473.24 | 350.0 | 29 | 3.62 | 475.000 | 0.011 | 0.92 | 5.7098 |
| CO-6518 | MH-6519 | MH-6356 | 477.04 | 473.24 | 473.19 | 350.0 | 25 | 3.24 | 475.000 | 0.011 | 0.92 | 5.7182 |
| CO-6519 | MH-6356 | MH-6520 | 476.57 | 473.19 | 473.12 | 350.0 | 32 | 2.76 | 475.000 | 0.011 | 0.92 | 5.7265 |
| CO-6520 | MH-6520 | MH-6521 | 475.95 | 471.31 | 471.25 | 350.0 | 30 | 4.02 | 475.000 | 0.011 | 0.93 | 6.0340 |
| CO-6521 | MH-6521 | MH-6522 | 475.34 | 471.25 | 471.18 | 350.0 | 33 | 3.32 | 475.000 | 0.011 | 0.93 | 6.0423 |
| CO-6522 | MH-6522 | MH-6523 | 474.43 | 471.18 | 471.11 | 350.0 | 33 | 2.49 | 475.000 | 0.011 | 0.93 | 6.0506 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6523 | MH-6523 | MH-6524 | 473.53 | 471.11 | 471.04 | 350.0 | 33 | 1.96 | 475.000 | 0.011 | 0.93 | 6.0590 |
| CO-5944 | MH-5950 | MH-5949 | 473.88 | 472.51 | 472.34 | 150.0 | 26 | 1.06 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5942 | MH-5948 | MH-5942 | 473.41 | 472.34 | 472.21 | 150.0 | 20 | 0.97 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5937 | MH-5941 | MH-5942 | 473.89 | 472.51 | 472.31 | 150.0 | 29 | 1.07 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5943 | MH-5942 | MH-5949 | 473.38 | 472.21 | 471.99 | 150.0 | 33 | 1.14 | 150.000 | 0.011 | 0.33 | 0.0250 |
| CO-5945 | MH-5949 | MH-5951 | 473.40 | 471.99 | 471.79 | 150.0 | 30 | 1.15 | 150.000 | 0.011 | 0.38 | 0.0416 |
| CO-5946 | MH-5951 | MH-5952 | 472.98 | 471.79 | 471.58 | 150.0 | 31 | 1.03 | 150.000 | 0.011 | 0.40 | 0.0499 |
| CO-5947 | MH-5952 | MH-5968 | 472.75 | 471.58 | 471.36 | 150.0 | 34 | 1.06 | 150.000 | 0.011 | 0.42 | 0.0582 |
| CO-5967 | MH-5975 | MH-5976 | 472.60 | 471.54 | 471.36 | 150.0 | 26 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5968 | MH-5976 | MH-5957 | 472.70 | 471.36 | 471.25 | 150.0 | 16 | 1.26 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5948 | MH-5954 | MH-5955 | 473.25 | 471.92 | 471.71 | 150.0 | 30 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5949 | MH-5955 | MH-5956 | 472.78 | 471.71 | 471.52 | 150.0 | 29 | 0.99 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5950 | MH-5956 | MH-5957 | 472.73 | 471.52 | 471.29 | 150.0 | 34 | 1.17 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5951 | MH-5968 | MH-5957 | 472.61 | 471.05 | 471.25 | 150.0 | 30 | 1.37 | 150.000 | 0.011 | 0.40 | 0.0499 |
| CO-5962 | MH-5968 | MH-5969 | 472.61 | 471.05 | 470.79 | 150.0 | 39 | 1.55 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-5963 | MH-5969 | MH-5970 | 472.63 | 470.79 | 470.57 | 150.0 | 33 | 1.76 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-5964 | MH-5970 | MH-5971 | 472.55 | 470.57 | 470.38 | 150.0 | 29 | 1.91 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-5965 | MH-5971 | MH-5972 | 472.52 | 470.38 | 470.24 | 150.0 | 20 | 2.20 | 150.000 | 0.010 | 0.59 | 0.1414 |
| CO-5966 | MH-5972 | MH-5973 | 472.80 | 470.24 | 470.09 | 150.0 | 23 | 2.70 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-6674 | MH-6665 | MH-6666 | 470.67 | 469.60 | 469.42 | 150.0 | 28 | 1.75 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6675 | MH-6666 | MH-6566 | 472.16 | 469.42 | 469.34 | 150.0 | 12 | 3.19 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5954 | MH-5958 | MH-5959 | 472.61 | 471.55 | 471.32 | 150.0 | 34 | 0.93 | 150.000 | 0.011 | 0.23 | 0.0083 |
| CO-5955 | MH-5959 | MH-5960 | 472.42 | 471.32 | 471.12 | 150.0 | 30 | 1.12 | 150.000 | 0.011 | 0.29 | 0.0166 |
| CO-5956 | MH-5960 | MH-5961 | 472.56 | 471.12 | 470.92 | 150.0 | 30 | 1.51 | 150.000 | 0.011 | 0.33 | 0.0250 |
| CO-5957 | MH-5961 | MH-5962 | 472.81 | 470.92 | 470.72 | 150.0 | 30 | 2.13 | 150.000 | 0.011 | 0.36 | 0.0333 |
| CO-6994 | MH-6941 | MH-6942 | 480.80 | 478.80 | 478.13 | 170.0 | 62 | 2.06 | 92.350 | 0.010 | 1.36 | 1.6604 |
| CO-6995 | MH-6942 | MH-5889 | 480.60 | 478.10 | 476.87 | 200.0 | 85 | 2.55 | 69.138 | 0.010 | 1.56 | 1.8368 |
| CO-6808 | MH-6798 | MH-5879 | 481.68 | 480.62 | 480.46 | 150.0 | 24 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5875 | MH-5879 | MH-5881 | 481.87 | 480.46 | 480.26 | 150.0 | 30 | 1.31 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5876 | MH-5881 | MH-5882 | 481.76 | 480.26 | 480.06 | 150.0 | 30 | 1.31 | 150.000 | 0.010 | 0.35 | 0.0250 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5877 | MH-5882 | MH-5883 | 481.47 | 480.06 | 479.87 | 150.0 | 28 | 1.13 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5878 | MH-5883 | MH-5884 | 481.02 | 479.49 | 479.24 | 150.0 | 38 | 1.15 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5879 | MH-5884 | MH-5885 | 480.30 | 479.04 | 478.83 | 150.0 | 31 | 1.02 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5880 | MH-5885 | MH-5886 | 479.89 | 478.76 | 478.56 | 150.0 | 29 | 0.95 | 150.000 | 0.010 | 0.45 | 0.0582 |
| CO-5881 | MH-5886 | MH-5887 | 479.63 | 478.56 | 478.36 | 150.0 | 30 | 1.03 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5882 | MH-5887 | MH-5888 | 479.65 | 478.36 | 478.17 | 150.0 | 29 | 1.29 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-5883 | MH-5888 | MH-5889 | 479.76 | 478.17 | 478.05 | 150.0 | 18 | 1.55 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-5884 | MH-5889 | MH-5890 | 479.87 | 476.87 | 476.71 | 300.0 | 31 | 2.65 | 200.000 | 0.011 | 0.98 | 1.9283 |
| CO-5885 | MH-5890 | MH-5891 | 479.62 | 476.66 | 476.60 | 300.0 | 32 | 2.57 | 475.000 | 0.011 | 0.71 | 1.9367 |
| CO-5886 | MH-5891 | MH-5892 | 479.38 | 476.60 | 476.53 | 300.0 | 31 | 2.44 | 475.000 | 0.011 | 0.71 | 1.9450 |
| CO-5887 | MH-5892 | MH-5893 | 479.23 | 476.53 | 476.47 | 300.0 | 29 | 2.49 | 475.000 | 0.011 | 0.71 | 1.9533 |
| CO-5888 | MH-5893 | MH-5894 | 479.34 | 476.47 | 476.41 | 300.0 | 28 | 2.57 | 475.000 | 0.011 | 0.72 | 1.9616 |
| CO-5889 | MH-5894 | MH-5895 | 479.28 | 476.41 | 476.35 | 300.0 | 30 | 2.55 | 475.000 | 0.011 | 0.72 | 1.9699 |
| CO-5890 | MH-5895 | MH-5896 | 479.18 | 476.35 | 476.28 | 300.0 | 29 | 2.45 | 475.000 | 0.011 | 0.72 | 1.9783 |
| CO-5891 | MH-5896 | MH-5897 | 478.95 | 476.28 | 476.22 | 300.0 | 32 | 2.29 | 475.000 | 0.011 | 0.72 | 1.9866 |
| CO-5892 | MH-5897 | MH-5898 | 478.73 | 476.22 | 476.16 | 300.0 | 30 | 2.15 | 475.000 | 0.011 | 0.72 | 1.9949 |
| CO-5929 | MH-5898 | MH-5934 | 478.54 | 476.16 | 476.09 | 300.0 | 30 | 2.02 | 475.000 | 0.011 | 0.72 | 2.0032 |
| CO-5930 | MH-5934 | MH-5935 | 478.35 | 476.09 | 476.02 | 300.0 | 32 | 1.85 | 475.000 | 0.011 | 0.72 | 2.0115 |
| CO-5931 | MH-5935 | MH-5936 | 478.06 | 476.02 | 475.96 | 300.0 | 30 | 1.76 | 475.000 | 0.011 | 0.72 | 2.0199 |
| CO-5932 | MH-5936 | MH-5937 | 478.05 | 475.96 | 475.90 | 300.0 | 29 | 1.71 | 475.000 | 0.011 | 0.72 | 2.0282 |
| CO-5933 | MH-5937 | MH-5938 | 477.83 | 475.90 | 475.83 | 300.0 | 33 | 1.59 | 475.000 | 0.011 | 0.72 | 2.0365 |
| CO-5934 | MH-5938 | MH-5939 | 477.69 | 475.83 | 475.76 | 300.0 | 33 | 1.62 | 475.000 | 0.011 | 0.72 | 2.0448 |
| CO-5935 | MH-5939 | MH-5940 | 477.75 | 475.76 | 475.70 | 300.0 | 31 | 1.76 | 475.000 | 0.011 | 0.72 | 2.0531 |
| CO-6555 | MH-5940 | MH-6554 | 477.82 | 475.70 | 475.63 | 300.0 | 30 | 1.57 | 475.000 | 0.011 | 0.72 | 2.0615 |
| CO-6556 | MH-6554 | MH-6555 | 477.25 | 475.63 | 475.26 | 300.0 | 30 | 1.21 | 80.923 | 0.011 | 1.38 | 2.0698 |
| CO-6557 | MH-6555 | MH-6556 | 476.67 | 475.26 | 474.91 | 300.0 | 28 | 1.03 | 80.000 | 0.011 | 1.39 | 2.0781 |
| CO-6558 | MH-6556 | MH-6557 | 476.16 | 474.65 | 474.20 | 300.0 | 36 | 1.08 | 80.000 | 0.011 | 1.39 | 2.0864 |
| CO-6559 | MH-6557 | MH-6558 | 475.45 | 474.00 | 473.62 | 300.0 | 30 | 1.05 | 80.000 | 0.011 | 1.39 | 2.0947 |
| CO-6561 | MH-6558 | MH-6560 | 474.87 | 473.43 | 473.14 | 300.0 | 23 | 1.05 | 80.000 | 0.011 | 1.39 | 2.1030 |
| CO-6562 | MH-6560 | MH-6559 | 474.39 | 473.07 | 472.79 | 300.0 | 23 | 0.98 | 80.000 | 0.011 | 1.39 | 2.1114 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6563 | MH-6559 | MH-6561 | 474.04 | 472.77 | 472.31 | 300.0 | 37 | 0.96 | 80.000 | 0.011 | 1.40 | 2.1197 |
| CO-6564 | MH-6561 | MH-6562 | 473.56 | 472.31 | 472.16 | 300.0 | 20 | 0.95 | 135.135 | 0.011 | 1.16 | 2.1280 |
| CO-6565 | MH-6562 | MH-6563 | 473.41 | 472.16 | 472.12 | 300.0 | 16 | 0.99 | 475.000 | 0.011 | 0.73 | 2.1363 |
| CO-6566 | MH-6563 | MH-6564 | 473.46 | 472.12 | 472.07 | 300.0 | 25 | 1.04 | 475.000 | 0.011 | 0.73 | 2.1446 |
| CO-6567 | MH-6564 | MH-6565 | 473.41 | 472.07 | 472.03 | 300.0 | 18 | 1.02 | 475.000 | 0.011 | 0.73 | 2.1530 |
| CO-6568 | MH-6565 | MH-5962 | 473.33 | 472.03 | 472.01 | 300.0 | 10 | 1.04 | 475.000 | 0.011 | 0.73 | 2.1613 |
| CO-6569 | MH-5962 | MH-6566 | 473.39 | 470.62 | 470.58 | 300.0 | 20 | 2.43 | 475.000 | 0.011 | 0.74 | 2.2029 |
| CO-6570 | MH-6566 | MH-5967 | 473.28 | 469.24 | 469.22 | 300.0 | 10 | 3.76 | 475.000 | 0.011 | 0.74 | 2.2278 |
| CO-5919 | MH-5926 | MH-5927 | 475.80 | 474.35 | 474.18 | 150.0 | 25 | 1.11 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5920 | MH-5927 | MH-5943 | 475.24 | 473.03 | 472.85 | 150.0 | 27 | 1.49 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-6809 | MH-6799 | MH-5928 | 475.31 | 473.73 | 473.87 | 150.0 | 21 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5921 | MH-5928 | MH-5925 | 474.80 | 473.24 | 473.41 | 150.0 | 26 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5918 | MH-5925 | MH-5943 | 474.31 | 472.85 | 473.06 | 150.0 | 30 | 1.01 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-6805 | MH-6797 | MH-5933 | 478.32 | 476.57 | 476.73 | 150.0 | 25 | 1.18 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5927 | MH-5933 | MH-5932 | 477.63 | 475.92 | 476.13 | 150.0 | 31 | 1.13 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5926 | MH-5932 | MH-5931 | 476.99 | 475.11 | 475.34 | 150.0 | 34 | 1.20 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5925 | MH-5931 | MH-5930 | 476.18 | 474.35 | 474.53 | 150.0 | 27 | 1.20 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5924 | MH-5930 | MH-5929 | 475.41 | 474.04 | 474.25 | 150.0 | 31 | 0.97 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5923 | MH-5929 | MH-5916 | 475.10 | 473.82 | 474.04 | 150.0 | 34 | 1.19 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-5908 | MH-5915 | MH-5916 | 475.94 | 474.52 | 474.37 | 150.0 | 23 | 1.09 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5909 | MH-5916 | MH-5914 | 475.44 | 473.63 | 473.82 | 150.0 | 28 | 1.79 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5905 | MH-5912 | MH-5913 | 476.71 | 475.38 | 475.20 | 150.0 | 28 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5906 | MH-5913 | MH-5914 | 476.26 | 474.93 | 474.83 | 150.0 | 15 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5907 | MH-5914 | MH-5922 | 475.89 | 473.43 | 473.63 | 150.0 | 30 | 2.28 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5904 | MH-5911 | MH-5922 | 476.75 | 475.15 | 474.97 | 150.0 | 28 | 1.18 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-6997 | MH-6943 | MH-6944 | 477.69 | 476.63 | 476.48 | 150.0 | 22 | 1.03 | 150.000 | 0.010 | 0.32 | 0.0190 |
| CO-6999 | MH-6944 | MH-6945 | 477.77 | 476.48 | 476.34 | 150.0 | 21 | 1.26 | 150.000 | 0.010 | 0.40 | 0.0380 |
| CO-7001 | MH-6945 | MH-6946 | 477.86 | 476.34 | 476.20 | 150.0 | 20 | 1.48 | 150.000 | 0.010 | 0.45 | 0.0570 |
| CO-7003 | MH-6946 | MH-6947 | 477.94 | 476.20 | 476.07 | 150.0 | 20 | 1.70 | 150.000 | 0.010 | 0.49 | 0.0760 |
| CO-7005 | MH-6947 | MH-6948 | 478.03 | 476.07 | 475.92 | 150.0 | 21 | 1.93 | 150.000 | 0.010 | 0.52 | 0.0950 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-7007 | MH-6948 | MH-6949 | 478.12 | 475.92 | 475.76 | 150.0 | 25 | 2.18 | 150.000 | 0.010 | 0.55 | 0.1140 |
| CO-7008 | MH-6949 | MH-5903 | 478.23 | 475.76 | 475.59 | 150.0 | 25 | 2.46 | 150.000 | 0.010 | 0.58 | 0.1330 |
| CO-5862 | MH-5869 | MH-5870 | 485.79 | 484.56 | 484.37 | 150.0 | 27 | 1.00 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5863 | MH-5870 | MH-5871 | 485.44 | 484.21 | 484.03 | 150.0 | 27 | 1.00 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5864 | MH-5871 | MH-5872 | 485.09 | 483.94 | 483.79 | 150.0 | 22 | 0.96 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5865 | MH-5872 | MH-5868 | 484.86 | 483.62 | 483.52 | 150.0 | 15 | 1.00 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5858 | MH-5864 | MH-5865 | 485.58 | 484.15 | 483.94 | 150.0 | 31 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5859 | MH-5865 | MH-5866 | 485.00 | 483.85 | 483.65 | 150.0 | 31 | 0.96 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5860 | MH-5866 | MH-5867 | 484.71 | 483.55 | 483.33 | 150.0 | 33 | 0.97 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5861 | MH-5867 | MH-5868 | 484.39 | 483.33 | 483.08 | 150.0 | 38 | 1.13 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5866 | MH-5868 | MH-5873 | 484.58 | 483.08 | 482.87 | 150.0 | 30 | 1.30 | 150.000 | 0.010 | 0.49 | 0.0749 |
| CO-5867 | MH-5873 | MH-5874 | 484.27 | 482.87 | 482.65 | 150.0 | 34 | 1.10 | 150.000 | 0.010 | 0.50 | 0.0832 |
| CO-5868 | MH-5874 | MH-5875 | 483.75 | 482.33 | 482.13 | 150.0 | 29 | 1.09 | 150.000 | 0.010 | 0.52 | 0.0915 |
| CO-5869 | MH-5875 | MH-5876 | 483.20 | 481.91 | 481.76 | 150.0 | 23 | 1.03 | 150.000 | 0.010 | 0.53 | 0.0998 |
| CO-5870 | MH-5876 | MH-5877 | 482.82 | 481.50 | 481.32 | 150.0 | 28 | 1.04 | 150.000 | 0.010 | 0.54 | 0.1082 |
| CO-5871 | MH-5877 | MH-5878 | 482.38 | 481.07 | 480.88 | 150.0 | 29 | 1.04 | 150.000 | 0.010 | 0.55 | 0.1165 |
| CO-5872 | MH-5878 | MH-5863 | 481.95 | 480.72 | 480.58 | 150.0 | 21 | 0.99 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-5837 | MH-5843 | MH-5844 | 484.60 | 483.35 | 483.16 | 150.0 | 30 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5838 | MH-5844 | MH-5845 | 484.22 | 482.88 | 482.67 | 150.0 | 32 | 1.05 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5839 | MH-5845 | MH-5846 | 483.74 | 482.26 | 482.05 | 150.0 | 31 | 1.12 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5840 | MH-5846 | MH-5847 | 483.12 | 481.96 | 481.77 | 150.0 | 29 | 0.96 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5841 | MH-5847 | MH-5848 | 482.83 | 481.77 | 481.53 | 150.0 | 35 | 0.94 | 150.000 | 0.010 | 0.41 | 0.0416 |
| CO-5842 | MH-5848 | MH-5842 | 482.64 | 481.53 | 481.31 | 150.0 | 33 | 1.11 | 150.000 | 0.010 | 0.43 | 0.0499 |
| CO-6963 | MH-6922 | MH-6926 | 485.60 | 484.42 | 484.21 | 150.0 | 32 | 0.97 | 150.000 | 0.010 | 0.33 | 0.0194 |
| CO-6965 | MH-6926 | MH-6927 | 485.27 | 484.14 | 484.01 | 150.0 | 20 | 0.95 | 150.000 | 0.010 | 0.40 | 0.0389 |
| CO-6967 | MH-6927 | MH-6928 | 485.07 | 483.92 | 483.76 | 150.0 | 24 | 0.96 | 150.000 | 0.010 | 0.45 | 0.0583 |
| CO-6969 | MH-6928 | MH-6929 | 484.83 | 483.69 | 483.55 | 150.0 | 21 | 0.95 | 150.000 | 0.010 | 0.49 | 0.0778 |
| CO-6970 | MH-6929 | MH-5820 | 484.61 | 483.47 | 483.33 | 150.0 | 22 | 0.95 | 150.000 | 0.010 | 0.53 | 0.0972 |
| CO-5716 | MH-5727 | MH-5728 | 485.66 | 484.56 | 484.31 | 150.0 | 38 | 0.93 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5717 | MH-5728 | MH-5729 | 485.37 | 484.31 | 484.12 | 150.0 | 28 | 1.07 | 150.000 | 0.010 | 0.31 | 0.0166 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5718 | MH-5729 | MH-5657 | 485.50 | 484.12 | 484.02 | 150.0 | 15 | 1.41 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5656 | MH-5665 | MH-5666 | 486.21 | 485.15 | 484.94 | 150.0 | 31 | 1.08 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5657 | MH-5666 | MH-5657 | 486.33 | 484.84 | 484.71 | 150.0 | 20 | 1.13 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5649 | MH-5655 | MH-5656 | 485.43 | 484.37 | 484.17 | 150.0 | 30 | 1.25 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5650 | MH-5656 | MH-5657 | 485.90 | 484.17 | 483.93 | 150.0 | 35 | 1.64 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5658 | MH-5657 | MH-5660 | 485.77 | 483.93 | 483.70 | 150.0 | 35 | 1.72 | 150.000 | 0.010 | 0.47 | 0.0666 |
| CO-5651 | MH-5658 | MH-5659 | 485.09 | 484.02 | 483.78 | 150.0 | 37 | 1.14 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5652 | MH-5659 | MH-5660 | 485.30 | 483.78 | 483.62 | 150.0 | 25 | 1.60 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5653 | MH-5661 | MH-5662 | 485.03 | 483.97 | 483.76 | 150.0 | 32 | 1.16 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5654 | MH-5662 | MH-5663 | 485.31 | 483.76 | 483.54 | 150.0 | 33 | 1.52 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5655 | MH-5663 | MH-5664 | 485.32 | 483.54 | 483.30 | 150.0 | 35 | 1.93 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5659 | MH-5660 | MH-5664 | 485.59 | 483.12 | 483.30 | 150.0 | 27 | 2.27 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5721 | MH-5732 | MH-5660 | 485.29 | 482.87 | 483.12 | 150.0 | 38 | 2.29 | 150.000 | 0.010 | 0.57 | 0.1248 |
| CO-5720 | MH-5731 | MH-5732 | 484.70 | 482.63 | 482.87 | 150.0 | 35 | 2.09 | 150.000 | 0.010 | 0.58 | 0.1331 |
| CO-5719 | MH-5730 | MH-5731 | 485.46 | 482.27 | 482.63 | 150.0 | 55 | 2.48 | 150.000 | 0.010 | 0.59 | 0.1414 |
| CO-5764 | MH-5730 | MH-5775 | 485.46 | 482.27 | 482.15 | 150.0 | 18 | 3.11 | 150.000 | 0.010 | 0.60 | 0.1498 |
| CO-5765 | MH-5775 | MH-5774 | 485.46 | 482.15 | 482.00 | 150.0 | 21 | 3.30 | 150.000 | 0.010 | 0.60 | 0.1581 |
| CO-5766 | MH-5774 | MH-5776 | 485.60 | 482.00 | 481.86 | 150.0 | 21 | 3.44 | 150.000 | 0.010 | 0.62 | 0.1664 |
| CO-5767 | MH-5776 | MH-5669 | 485.45 | 481.86 | 481.71 | 150.0 | 23 | 3.36 | 150.000 | 0.010 | 0.63 | 0.1747 |
| CO-6852 | MH-6840 | MH-6841 | 486.55 | 485.49 | 485.31 | 150.0 | 26 | 1.01 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6853 | MH-6841 | MH-6820 | 486.57 | 485.31 | 485.14 | 150.0 | 25 | 1.53 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6860 | MH-6847 | MH-6848 | 486.40 | 485.34 | 485.15 | 150.0 | 27 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6861 | MH-6848 | MH-6821 | 486.59 | 485.15 | 484.99 | 150.0 | 24 | 1.70 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6854 | MH-6842 | MH-6843 | 487.98 | 486.64 | 486.44 | 150.0 | 31 | 1.05 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6855 | MH-6843 | MH-6821 | 487.50 | 486.35 | 486.20 | 150.0 | 23 | 0.96 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6864 | MH-6852 | MH-6853 | 487.94 | 486.46 | 486.26 | 150.0 | 30 | 1.12 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6865 | MH-6853 | MH-6822 | 487.32 | 486.26 | 486.10 | 150.0 | 23 | 0.97 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6862 | MH-6850 | MH-6851 | 486.41 | 485.35 | 485.18 | 150.0 | 25 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6863 | MH-6851 | MH-6822 | 486.62 | 485.18 | 485.02 | 150.0 | 25 | 1.70 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6866 | MH-6854 | MH-6855 | 486.70 | 485.64 | 485.46 | 150.0 | 26 | 1.16 | 150.000 | 0.010 | 0.25 | 0.0080 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6867 | MH-6855 | MH-6823 | 487.01 | 485.46 | 485.31 | 150.0 | 23 | 1.59 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6868 | MH-6856 | MH-6857 | 487.80 | 486.63 | 486.49 | 150.0 | 22 | 0.97 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6869 | MH-6857 | MH-6823 | 487.55 | 486.35 | 486.17 | 150.0 | 28 | 0.98 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6870 | MH-6858 | MH-6825 | 486.55 | 485.49 | 485.31 | 150.0 | 27 | 1.17 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6916 | MH-6903 | MH-6904 | 486.25 | 484.44 | 484.60 | 150.0 | 24 | 1.29 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6915 | MH-6903 | MH-6826 | 486.25 | 484.23 | 484.44 | 150.0 | 31 | 2.01 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6918 | MH-6905 | MH-6828 | 486.74 | 485.58 | 485.67 | 150.0 | 13 | 1.03 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6873 | MH-6861 | MH-6862 | 485.87 | 484.81 | 484.64 | 150.0 | 25 | 1.19 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6874 | MH-6862 | MH-6828 | 486.25 | 484.64 | 484.45 | 150.0 | 28 | 1.87 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6838 | MH-6828 | MH-6827 | 486.88 | 484.35 | 484.45 | 150.0 | 16 | 2.27 | 150.000 | 0.010 | 0.38 | 0.0321 |
| CO-6871 | MH-6859 | MH-6860 | 485.61 | 484.55 | 484.35 | 150.0 | 30 | 1.21 | 150.000 | 0.010 | 0.25 | 0.0080 |
| CO-6872 | MH-6860 | MH-6827 | 486.01 | 484.35 | 484.17 | 150.0 | 27 | 1.98 | 150.000 | 0.010 | 0.31 | 0.0160 |
| CO-6837 | MH-6827 | MH-6826 | 486.76 | 484.04 | 484.17 | 150.0 | 20 | 2.50 | 150.000 | 0.010 | 0.45 | 0.0561 |
| CO-6836 | MH-6826 | MH-6825 | 486.74 | 483.92 | 484.04 | 150.0 | 18 | 2.68 | 150.000 | 0.010 | 0.50 | 0.0802 |
| CO-6835 | MH-6825 | MH-6824 | 486.88 | 483.80 | 483.92 | 150.0 | 18 | 2.97 | 150.000 | 0.010 | 0.52 | 0.0962 |
| CO-6834 | MH-6824 | MH-6823 | 487.07 | 483.67 | 483.80 | 150.0 | 19 | 3.27 | 150.000 | 0.010 | 0.54 | 0.1043 |
| CO-6833 | MH-6823 | MH-6822 | 487.23 | 483.54 | 483.67 | 150.0 | 20 | 3.50 | 150.000 | 0.010 | 0.59 | 0.1444 |
| CO-6832 | MH-6821 | MH-6822 | 487.26 | 483.40 | 483.54 | 150.0 | 20 | 3.64 | 150.000 | 0.010 | 0.63 | 0.1845 |
| CO-6831 | MH-6820 | MH-6821 | 487.25 | 483.29 | 483.40 | 150.0 | 18 | 3.76 | 150.000 | 0.010 | 0.67 | 0.2246 |
| CO-6830 | MH-6819 | MH-6820 | 487.26 | 483.12 | 483.29 | 150.0 | 26 | 3.90 | 150.000 | 0.010 | 0.69 | 0.2486 |
| CO-6829 | MH-6816 | MH-6819 | 487.24 | 482.90 | 483.12 | 150.0 | 32 | 4.09 | 150.000 | 0.010 | 0.70 | 0.2566 |
| CO-6826 | MH-6815 | MH-6816 | 486.69 | 482.80 | 482.90 | 150.0 | 16 | 3.97 | 150.000 | 0.010 | 0.70 | 0.2646 |
| CO-6825 | MH-6814 | MH-6815 | 486.59 | 482.68 | 482.80 | 150.0 | 17 | 3.75 | 150.000 | 0.010 | 0.71 | 0.2727 |
| CO-6824 | MH-6813 | MH-6814 | 486.85 | 482.51 | 482.68 | 150.0 | 25 | 3.97 | 150.000 | 0.010 | 0.71 | 0.2807 |
| CO-6823 | MH-6812 | MH-6813 | 486.79 | 482.32 | 482.51 | 150.0 | 28 | 4.25 | 150.000 | 0.010 | 0.72 | 0.2887 |
| CO-6822 | MH-6811 | MH-6812 | 486.78 | 482.14 | 482.32 | 150.0 | 28 | 4.41 | 150.000 | 0.010 | 0.73 | 0.2967 |
| CO-6821 | MH-6810 | MH-6811 | 486.60 | 481.93 | 482.14 | 150.0 | 30 | 4.51 | 150.000 | 0.010 | 0.73 | 0.3047 |
| CO-6950 | MH-6810 | MH-5649 | 486.60 | 481.93 | 481.69 | 150.0 | 36 | 4.59 | 150.000 | 0.010 | 0.74 | 0.3128 |
| CO-5644 | MH-5649 | MH-5650 | 486.51 | 481.69 | 481.47 | 150.0 | 34 | 4.79 | 150.000 | 0.010 | 0.74 | 0.3211 |
| CO-5645 | MH-5650 | MH-5651 | 486.54 | 481.47 | 481.27 | 150.0 | 30 | 5.07 | 150.000 | 0.010 | 0.75 | 0.3294 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5646 | MH-5651 | MH-5652 | 486.63 | 481.27 | 481.06 | 150.0 | 32 | 5.35 | 150.000 | 0.010 | 0.75 | 0.3377 |
| CO-5647 | MH-5652 | MH-5653 | 486.69 | 481.06 | 480.83 | 150.0 | 34 | 5.58 | 150.000 | 0.010 | 0.76 | 0.3460 |
| CO-5648 | MH-5653 | MH-5654 | 486.65 | 480.83 | 480.53 | 150.0 | 45 | 5.61 | 150.000 | 0.010 | 0.76 | 0.3544 |
| CO-5660 | MH-5654 | MH-5667 | 486.23 | 480.53 | 480.27 | 150.0 | 39 | 5.69 | 150.000 | 0.010 | 0.77 | 0.3627 |
| CO-5661 | MH-5667 | MH-5668 | 486.25 | 480.27 | 480.02 | 150.0 | 38 | 5.74 | 150.000 | 0.010 | 0.77 | 0.3710 |
| CO-5662 | MH-5668 | MH-5669 | 485.82 | 480.02 | 479.70 | 150.0 | 48 | 5.47 | 150.000 | 0.010 | 0.78 | 0.3793 |
| CO-5663 | MH-5669 | MH-5670 | 485.14 | 479.70 | 479.44 | 150.0 | 39 | 5.17 | 150.000 | 0.010 | 0.87 | 0.5624 |
| CO-5664 | MH-5670 | MH-5671 | 484.64 | 479.44 | 479.24 | 150.0 | 30 | 4.93 | 150.000 | 0.010 | 0.87 | 0.5707 |
| CO-5665 | MH-5671 | MH-5672 | 484.20 | 479.24 | 478.99 | 150.0 | 37 | 4.82 | 150.000 | 0.010 | 0.87 | 0.5790 |
| CO-5666 | MH-5672 | MH-5820 | 483.98 | 478.99 | 478.76 | 150.0 | 35 | 5.16 | 150.000 | 0.010 | 0.88 | 0.5873 |
| CO-5667 | MH-5820 | MH-5674 | 484.39 | 478.76 | 478.53 | 150.0 | 35 | 5.32 | 150.000 | 0.010 | 0.91 | 0.6928 |
| CO-5668 | MH-5674 | MH-5675 | 483.83 | 478.53 | 478.28 | 150.0 | 37 | 5.42 | 150.000 | 0.010 | 0.92 | 0.7012 |
| CO-5669 | MH-5675 | MH-5676 | 484.11 | 478.28 | 478.13 | 150.0 | 23 | 5.83 | 150.000 | 0.010 | 0.92 | 0.7095 |
| CO-5834 | MH-5676 | MH-5840 | 484.26 | 478.13 | 477.97 | 150.0 | 23 | 5.86 | 150.000 | 0.010 | 0.92 | 0.7178 |
| CO-5835 | MH-5840 | MH-5841 | 483.87 | 477.97 | 477.77 | 150.0 | 30 | 5.55 | 150.000 | 0.010 | 0.92 | 0.7261 |
| CO-5836 | MH-5841 | MH-5842 | 483.28 | 477.77 | 477.61 | 150.0 | 24 | 5.16 | 150.000 | 0.010 | 0.93 | 0.7344 |
| CO-5843 | MH-5842 | MH-5849 | 482.72 | 477.59 | 477.54 | 170.0 | 24 | 4.71 | 475.000 | 0.010 | 0.61 | 0.7927 |
| CO-5844 | MH-5849 | MH-5850 | 482.16 | 477.54 | 477.48 | 170.0 | 31 | 4.05 | 475.000 | 0.010 | 0.61 | 0.8010 |
| CO-5845 | MH-5850 | MH-5851 | 481.29 | 477.48 | 477.41 | 170.0 | 32 | 3.27 | 475.000 | 0.010 | 0.61 | 0.8093 |
| CO-5846 | MH-5851 | MH-5852 | 480.46 | 477.41 | 477.36 | 170.0 | 25 | 2.72 | 475.000 | 0.010 | 0.61 | 0.8176 |
| CO-5847 | MH-5852 | MH-5853 | 480.09 | 477.36 | 477.28 | 170.0 | 37 | 2.20 | 475.000 | 0.010 | 0.61 | 0.8259 |
| CO-5848 | MH-5853 | MH-5854 | 479.28 | 477.28 | 477.22 | 170.0 | 29 | 1.69 | 475.000 | 0.010 | 0.61 | 0.8343 |
| CO-5849 | MH-5854 | MH-5855 | 478.94 | 477.22 | 477.16 | 170.0 | 29 | 1.50 | 475.000 | 0.010 | 0.62 | 0.8426 |
| CO-5850 | MH-5855 | MH-5856 | 478.78 | 477.16 | 477.10 | 170.0 | 26 | 1.37 | 475.000 | 0.010 | 0.62 | 0.8509 |
| CO-5851 | MH-5856 | MH-5857 | 478.56 | 477.10 | 477.03 | 170.0 | 34 | 1.33 | 475.000 | 0.010 | 0.62 | 0.8592 |
| CO-5852 | MH-5857 | MH-5858 | 478.57 | 477.03 | 476.98 | 170.0 | 25 | 1.38 | 475.000 | 0.010 | 0.62 | 0.8675 |
| CO-5853 | MH-5858 | MH-5859 | 478.55 | 476.98 | 476.91 | 170.0 | 32 | 1.73 | 475.000 | 0.010 | 0.62 | 0.8759 |
| CO-5854 | MH-5859 | MH-5860 | 479.14 | 476.91 | 476.85 | 170.0 | 32 | 2.43 | 475.000 | 0.010 | 0.62 | 0.8842 |
| CO-5855 | MH-5860 | MH-5861 | 479.82 | 476.85 | 476.78 | 170.0 | 29 | 3.14 | 475.000 | 0.010 | 0.62 | 0.8925 |
| CO-5856 | MH-5861 | MH-5862 | 480.44 | 476.78 | 476.72 | 170.0 | 30 | 3.82 | 475.000 | 0.010 | 0.62 | 0.9008 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5857 | MH-5862 | MH-5863 | 481.05 | 476.72 | 476.67 | 170.0 | 26 | 4.48 | 475.000 | 0.010 | 0.62 | 0.9091 |
| CO-5893 | MH-5863 | MH-5899 | 481.65 | 476.67 | 476.60 | 170.0 | 31 | 4.54 | 475.000 | 0.010 | 0.64 | 1.0423 |
| CO-5894 | MH-5899 | MH-5900 | 481.04 | 476.60 | 476.54 | 170.0 | 29 | 4.01 | 475.000 | 0.010 | 0.64 | 1.0506 |
| CO-5895 | MH-5900 | MH-5901 | 480.45 | 476.51 | 476.45 | 200.0 | 28 | 3.51 | 475.000 | 0.010 | 0.70 | 1.4487 |
| CO-5896 | MH-5901 | MH-5902 | 479.92 | 476.45 | 476.39 | 200.0 | 30 | 3.01 | 475.000 | 0.010 | 0.70 | 1.4570 |
| CO-5897 | MH-5902 | MH-5903 | 479.34 | 476.39 | 476.28 | 200.0 | 52 | 2.31 | 475.000 | 0.010 | 0.70 | 1.4653 |
| CO-5898 | MH-5903 | MH-5904 | 478.33 | 475.49 | 475.44 | 250.0 | 24 | 2.36 | 475.000 | 0.010 | 0.78 | 2.0926 |
| CO-5899 | MH-5904 | MH-5905 | 477.82 | 475.44 | 475.37 | 250.0 | 30 | 1.88 | 475.000 | 0.010 | 0.78 | 2.1010 |
| CO-5900 | MH-5905 | MH-5906 | 477.26 | 475.37 | 474.91 | 250.0 | 50 | 1.32 | 107.598 | 0.010 | 1.36 | 2.1093 |
| CO-5902 | MH-5906 | MH-5909 | 476.16 | 474.91 | 474.41 | 250.0 | 25 | 1.27 | 50.000 | 0.010 | 1.80 | 2.1256 |
| CO-5903 | MH-5909 | MH-5922 | 476.20 | 474.41 | 473.33 | 250.0 | 26 | 2.00 | 24.081 | 0.010 | 2.34 | 2.1339 |
| CO-5915 | MH-5922 | MH-5923 | 476.03 | 473.33 | 473.26 | 250.0 | 34 | 2.24 | 475.000 | 0.010 | 0.79 | 2.2421 |
| CO-5916 | MH-5923 | MH-5921 | 475.54 | 473.26 | 473.03 | 250.0 | 27 | 1.91 | 114.830 | 0.010 | 1.35 | 2.2504 |
| CO-5911 | MH-5917 | MH-5918 | 475.46 | 474.01 | 473.83 | 150.0 | 27 | 1.10 | 150.000 | 0.010 | 0.25 | 0.0083 |
| CO-5912 | MH-5918 | MH-5919 | 474.90 | 473.69 | 473.61 | 150.0 | 12 | 0.99 | 150.000 | 0.010 | 0.31 | 0.0166 |
| CO-5913 | MH-5919 | MH-5920 | 474.67 | 473.61 | 473.41 | 150.0 | 30 | 1.30 | 150.000 | 0.010 | 0.35 | 0.0250 |
| CO-5914 | MH-5920 | MH-5921 | 475.25 | 473.41 | 473.22 | 150.0 | 28 | 1.69 | 150.000 | 0.010 | 0.38 | 0.0333 |
| CO-5917 | MH-5921 | MH-5943 | 475.06 | 473.03 | 472.67 | 250.0 | 29 | 1.39 | 80.000 | 0.010 | 1.55 | 2.2920 |
| CO-5938 | MH-5943 | MH-5944 | 473.92 | 472.67 | 472.06 | 250.0 | 64 | 1.05 | 106.381 | 0.010 | 1.40 | 2.3419 |
| CO-5939 | MH-5944 | MH-5945 | 473.41 | 472.06 | 471.67 | 250.0 | 32 | 1.05 | 80.000 | 0.010 | 1.56 | 2.3503 |
| CO-5940 | MH-5945 | MH-5946 | 472.92 | 471.67 | 471.50 | 250.0 | 30 | 1.00 | 178.575 | 0.010 | 1.16 | 2.3586 |
| CO-5941 | MH-5946 | MH-5947 | 472.75 | 471.50 | 471.42 | 250.0 | 36 | 1.05 | 475.000 | 0.010 | 0.80 | 2.3669 |
| CO-5958 | MH-5947 | MH-5964 | 472.78 | 471.42 | 471.34 | 250.0 | 40 | 1.06 | 475.000 | 0.010 | 0.80 | 2.3752 |
| CO-5959 | MH-5964 | MH-5965 | 472.61 | 471.34 | 471.27 | 250.0 | 32 | 1.01 | 475.000 | 0.010 | 0.80 | 2.3835 |
| CO-5960 | MH-5965 | MH-5966 | 472.53 | 471.27 | 471.21 | 250.0 | 30 | 1.19 | 475.000 | 0.010 | 0.80 | 2.3919 |
| CO-5961 | MH-5966 | MH-5967 | 472.83 | 471.21 | 471.14 | 250.0 | 30 | 1.64 | 475.000 | 0.010 | 0.80 | 2.4002 |
| CO-6527 | MH-6526 | MH-5967 | 473.31 | 469.06 | 469.12 | 350.0 | 28 | 3.87 | 475.000 | 0.011 | 0.88 | 4.6363 |
| CO-6526 | MH-5973 | MH-6526 | 473.23 | 468.99 | 469.06 | 350.0 | 30 | 3.89 | 475.000 | 0.011 | 0.88 | 4.6447 |
| CO-6525 | MH-6525 | MH-5973 | 473.14 | 468.96 | 468.99 | 350.0 | 18 | 3.86 | 475.000 | 0.011 | 0.89 | 4.8027 |
| CO-6524 | MH-6524 | MH-6525 | 473.24 | 468.90 | 468.96 | 350.0 | 27 | 3.91 | 475.000 | 0.011 | 0.89 | 4.8111 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-6772 | MH-6524 | MH-6767 | 473.24 | 468.85 | 468.79 | 400.0 | 27 | 3.54 | 475.000 | 0.011 | 1.02 | 9.1073 |
| CO-6773 | MH-6767 | MH-6768 | 472.29 | 468.79 | 468.73 | 400.0 | 31 | 2.90 | 475.000 | 0.011 | 1.02 | 9.1143 |
| CO-6774 | MH-6768 | MH-6769 | 471.82 | 468.73 | 468.66 | 400.0 | 30 | 2.60 | 475.000 | 0.011 | 1.02 | 9.1213 |
| CO-6775 | MH-6769 | MH-6770 | 471.57 | 468.66 | 468.60 | 400.0 | 30 | 2.34 | 475.000 | 0.011 | 1.02 | 9.1283 |
| CO-6776 | MH-6770 | MH-6771 | 471.18 | 468.60 | 468.54 | 400.0 | 30 | 2.12 | 475.000 | 0.011 | 1.02 | 9.1353 |
| CO-6777 | MH-6771 | MH-6772 | 471.01 | 468.54 | 468.47 | 400.0 | 30 | 2.02 | 475.000 | 0.011 | 1.02 | 9.1422 |
| CO-6779 | MH-6772 | MH-6774 | 470.84 | 468.47 | 468.40 | 400.0 | 34 | 1.91 | 475.000 | 0.011 | 1.02 | 9.1492 |
| CO-6780 | MH-6774 | MH-6775 | 470.65 | 468.40 | 468.34 | 400.0 | 30 | 1.51 | 475.000 | 0.011 | 1.02 | 9.1562 |
| CO-6781 | MH-6775 | MH-6776 | 469.90 | 468.34 | 468.26 | 400.0 | 29 | 1.09 | 395.336 | 0.011 | 1.11 | 9.1632 |
| CO-6782 | MH-6776 | MH-6777 | 469.69 | 468.26 | 467.91 | 400.0 | 28 | 1.01 | 80.000 | 0.011 | 2.05 | 9.1702 |
| CO-6783 | MH-6777 | MH-6778 | 469.31 | 467.91 | 467.86 | 400.0 | 24 | 1.19 | 475.000 | 0.011 | 1.02 | 9.1772 |
| CO-6784 | MH-6778 | MH-6779 | 469.65 | 467.86 | 467.61 | 400.0 | 23 | 1.19 | 92.849 | 0.011 | 1.94 | 9.1841 |
| CO-6785 | MH-6779 | MH-6780 | 469.01 | 467.61 | 467.56 | 400.0 | 26 | 1.06 | 475.000 | 0.011 | 1.02 | 9.1911 |
| CO-6786 | MH-6780 | MH-6781 | 469.07 | 467.56 | 467.43 | 400.0 | 24 | 1.06 | 196.789 | 0.011 | 1.46 | 9.1981 |
| CO-6787 | MH-6781 | MH-6782 | 468.83 | 467.43 | 467.37 | 400.0 | 32 | 1.09 | 475.000 | 0.011 | 1.02 | 9.2051 |
| CO-6788 | MH-6782 | MH-6783 | 468.95 | 467.37 | 466.98 | 400.0 | 34 | 1.09 | 88.546 | 0.011 | 1.97 | 9.2121 |
| CO-6789 | MH-6783 | MH-6784 | 468.38 | 466.98 | 466.76 | 400.0 | 30 | 1.00 | 138.372 | 0.011 | 1.67 | 9.2191 |
| CO-6790 | MH-6784 | MH-6785 | 468.16 | 466.76 | 466.58 | 400.0 | 30 | 1.00 | 165.156 | 0.011 | 1.57 | 9.2260 |
| CO-6791 | MH-6785 | MH-6786 | 467.98 | 466.58 | 466.48 | 400.0 | 28 | 1.00 | 268.593 | 0.011 | 1.30 | 9.2330 |
| CO-6792 | MH-6786 | MH-6787 | 467.89 | 466.48 | 466.04 | 400.0 | 35 | 1.00 | 80.000 | 0.011 | 2.05 | 9.2400 |
| CO-6793 | MH-6787 | MH-6788 | 467.44 | 465.80 | 465.31 | 400.0 | 39 | 1.12 | 80.000 | 0.011 | 2.05 | 9.2470 |
| CO-6794 | MH-6788 | MH-6789 | 466.71 | 465.31 | 465.15 | 400.0 | 32 | 1.00 | 189.720 | 0.011 | 1.49 | 9.2540 |
| CO-6795 | MH-6789 | MH-6790 | 466.55 | 465.15 | 465.07 | 400.0 | 35 | 1.05 | 475.000 | 0.011 | 1.02 | 9.2610 |
| CO-6796 | MH-6790 | MH-6791 | 466.57 | 464.54 | 464.09 | 400.0 | 36 | 1.32 | 80.000 | 0.011 | 2.05 | 9.2679 |
| CO-6797 | MH-6791 | MH-6792 | 465.49 | 464.09 | 463.91 | 400.0 | 32 | 1.00 | 176.046 | 0.011 | 1.53 | 9.2749 |
| CO-6798 | MH-6792 | MH-6793 | 465.31 | 463.91 | 463.76 | 400.0 | 25 | 1.00 | 164.853 | 0.011 | 1.57 | 9.2819 |
| CO-6799 | MH-6793 | OF-2 | 465.16 | 463.76 | 463.68 | 400.0 | 38 | 1.56 | 475.000 | 0.011 | 1.02 | 9.2889 |

Hydraulic Model Inventory: Zone IX Part VII .stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone IX Part VI) |
| Engineer | Prasad/Supriya |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-11-2014 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 283 | Taps | 0 |
| -Circle | 283 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 283 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|-------------------|---------|
| Circle - 150.0 mm | 6,006 m | Circle - 800.0 mm | 88 m |
| Circle - 600.0 mm | 251 m | Circle - 900.0 mm | 79 m |
| Circle - 700.0 mm | 676 m | Total Length | 7,101 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4193 | MH-4196 | MH-4197 | 468.82 | 466.47 | 466.44 | 600.0 | 29 | 1.85 | 1,000.000 | 0.011 | 0.88 | 14.1566 |
| CO-4194 | MH-4197 | MH-4198 | 468.99 | 466.44 | 466.41 | 600.0 | 30 | 1.90 | 1,000.000 | 0.011 | 0.88 | 14.1620 |
| CO-4195 | MH-4198 | MH-4199 | 468.86 | 466.41 | 466.30 | 600.0 | 30 | 1.85 | 277.328 | 0.011 | 1.43 | 14.1675 |
| CO-4196 | MH-4199 | MH-4200 | 468.76 | 466.30 | 466.27 | 600.0 | 30 | 1.87 | 1,000.000 | 0.011 | 0.88 | 14.1729 |
| CO-4197 | MH-4200 | MH-4201 | 468.76 | 466.27 | 466.24 | 600.0 | 30 | 1.85 | 1,000.000 | 0.011 | 0.88 | 14.1784 |
| CO-4198 | MH-4201 | MH-4202 | 468.66 | 466.24 | 466.21 | 600.0 | 19 | 1.74 | 500.000 | 0.011 | 1.15 | 14.1839 |
| CO-4199 | MH-4202 | MH-4194 | 468.48 | 466.21 | 465.92 | 600.0 | 22 | 1.71 | 77.216 | 0.011 | 2.28 | 14.1893 |
| CO-5772 | MH-5779 | MH-5759 | 471.41 | 470.26 | 469.91 | 150.0 | 30 | 1.00 | 86.215 | 0.010 | 0.29 | 0.0069 |
| CO-5858 | MH-5759 | MH-5829 | 471.06 | 469.91 | 469.82 | 150.0 | 22 | 1.12 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5860 | MH-5829 | MH-5830 | 471.20 | 469.82 | 469.76 | 150.0 | 19 | 1.14 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5862 | MH-5830 | MH-5831 | 470.96 | 469.76 | 469.60 | 150.0 | 16 | 1.02 | 100.946 | 0.010 | 0.42 | 0.0278 |
| CO-5864 | MH-5831 | MH-5832 | 470.75 | 469.60 | 469.15 | 150.0 | 23 | 1.00 | 51.477 | 0.010 | 0.56 | 0.0347 |
| CO-5866 | MH-5832 | MH-5833 | 470.30 | 469.15 | 468.75 | 150.0 | 25 | 1.00 | 62.484 | 0.010 | 0.56 | 0.0417 |
| CO-5868 | MH-5833 | MH-5834 | 469.90 | 468.75 | 468.30 | 150.0 | 16 | 1.00 | 35.899 | 0.010 | 0.71 | 0.0486 |
| CO-5870 | MH-5834 | MH-5835 | 469.45 | 468.30 | 468.00 | 150.0 | 17 | 1.00 | 56.896 | 0.010 | 0.62 | 0.0556 |
| CO-5872 | MH-5835 | MH-5836 | 469.15 | 468.00 | 467.57 | 150.0 | 19 | 1.00 | 43.948 | 0.010 | 0.71 | 0.0625 |
| CO-5873 | MH-5836 | MH-5785 | 468.72 | 467.57 | 467.03 | 150.0 | 22 | 1.02 | 41.015 | 0.010 | 0.75 | 0.0695 |
| CO-5692 | MH-5705 | MH-5706 | 471.34 | 470.04 | 470.27 | 150.0 | 30 | 1.07 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5691 | MH-5704 | MH-5705 | 471.34 | 469.93 | 470.04 | 150.0 | 28 | 1.21 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5988 | MH-5704 | MH-5825 | 471.34 | 469.93 | 469.62 | 150.0 | 16 | 1.21 | 54.098 | 0.010 | 0.48 | 0.0217 |
| CO-5969 | MH-5887 | MH-5817 | 473.69 | 472.54 | 472.31 | 150.0 | 20 | 1.00 | 84.814 | 0.010 | 0.29 | 0.0069 |
| CO-5802 | MH-5798 | MH-5799 | 474.40 | 473.25 | 473.07 | 150.0 | 21 | 1.00 | 116.840 | 0.010 | 0.26 | 0.0069 |
| CO-5736 | MH-5749 | MH-5746 | 474.06 | 472.91 | 472.67 | 150.0 | 32 | 1.35 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5737 | MH-5746 | MH-5750 | 474.52 | 472.67 | 472.56 | 150.0 | 27 | 1.74 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5738 | MH-5750 | MH-5751 | 474.49 | 472.56 | 472.52 | 150.0 | 13 | 1.76 | 348.771 | 0.010 | 0.25 | 0.0217 |
| CO-5821 | MH-5809 | MH-5803 | 475.77 | 474.62 | 474.88 | 150.0 | 17 | 1.00 | 66.822 | 0.010 | 0.32 | 0.0069 |
| CO-5820 | MH-5808 | MH-5809 | 475.63 | 474.48 | 474.62 | 150.0 | 21 | 1.00 | 145.043 | 0.010 | 0.29 | 0.0139 |
| CO-5818 | MH-5786 | MH-5808 | 475.27 | 474.12 | 474.48 | 150.0 | 18 | 1.00 | 50.657 | 0.010 | 0.48 | 0.0208 |
| CO-5792 | MH-5786 | MH-5788 | 475.27 | 474.12 | 473.83 | 150.0 | 27 | 1.00 | 92.491 | 0.010 | 0.43 | 0.0278 |
| CO-5817 | MH-5807 | MH-5806 | 475.16 | 474.01 | 474.34 | 150.0 | 18 | 1.00 | 52.771 | 0.010 | 0.34 | 0.0069 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5816 | MH-5788 | MH-5807 | 474.98 | 473.83 | 474.01 | 150.0 | 20 | 1.00 | 113.211 | 0.010 | 0.32 | 0.0139 |
| CO-5822 | MH-5788 | MH-5810 | 474.98 | 473.83 | 473.81 | 150.0 | 13 | 1.00 | 696.977 | 0.010 | 0.25 | 0.0486 |
| CO-5823 | MH-5810 | MH-5790 | 474.97 | 473.81 | 473.52 | 150.0 | 15 | 1.00 | 51.366 | 0.010 | 0.65 | 0.0556 |
| CO-5824 | MH-5790 | MH-5811 | 474.67 | 473.52 | 473.48 | 150.0 | 31 | 1.20 | 852.506 | 0.010 | 0.25 | 0.0625 |
| CO-5826 | MH-5811 | MH-5813 | 475.04 | 473.48 | 473.46 | 150.0 | 19 | 1.49 | 933.830 | 0.010 | 0.25 | 0.0695 |
| CO-5828 | MH-5813 | MH-5814 | 475.19 | 473.46 | 473.44 | 150.0 | 20 | 1.56 | 1,000.000 | 0.010 | 0.25 | 0.0764 |
| CO-5829 | MH-5814 | MH-5791 | 475.13 | 473.44 | 473.42 | 150.0 | 25 | 1.32 | 1,000.000 | 0.010 | 0.26 | 0.0834 |
| CO-5813 | MH-5805 | MH-5804 | 475.48 | 474.33 | 474.18 | 150.0 | 19 | 1.00 | 125.288 | 0.010 | 0.25 | 0.0069 |
| CO-5811 | MH-5804 | MH-5789 | 475.33 | 474.18 | 474.08 | 150.0 | 23 | 1.01 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5830 | MH-5780 | MH-5815 | 475.50 | 473.40 | 471.49 | 150.0 | 19 | 2.88 | 10.073 | 0.010 | 0.61 | 0.0069 |
| CO-5965 | MH-5815 | MH-5885 | 475.46 | 471.49 | 471.41 | 150.0 | 21 | 3.83 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5966 | MH-5885 | MH-5787 | 475.40 | 471.41 | 471.35 | 150.0 | 18 | 4.04 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5807 | MH-5802 | MH-5787 | 475.41 | 474.26 | 474.10 | 150.0 | 20 | 1.25 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5786 | MH-5787 | MH-5789 | 475.74 | 471.35 | 471.29 | 150.0 | 30 | 4.02 | 516.969 | 0.010 | 0.25 | 0.0347 |
| CO-5789 | MH-5789 | MH-5791 | 475.25 | 471.29 | 471.25 | 150.0 | 31 | 3.54 | 773.826 | 0.010 | 0.25 | 0.0556 |
| CO-5832 | MH-5791 | MH-5816 | 474.67 | 471.25 | 471.22 | 150.0 | 33 | 3.28 | 1,000.000 | 0.010 | 0.30 | 0.1459 |
| CO-5833 | MH-5816 | MH-5751 | 474.67 | 471.22 | 471.19 | 150.0 | 35 | 3.19 | 1,000.000 | 0.010 | 0.31 | 0.1528 |
| CO-5739 | MH-5751 | MH-5752 | 474.42 | 471.19 | 471.17 | 150.0 | 16 | 3.08 | 1,000.000 | 0.010 | 0.32 | 0.1818 |
| CO-5800 | MH-5752 | MH-5799 | 474.40 | 471.17 | 471.15 | 150.0 | 21 | 3.00 | 1,000.000 | 0.010 | 0.32 | 0.1891 |
| CO-5801 | MH-5799 | MH-5797 | 474.22 | 471.15 | 471.12 | 150.0 | 27 | 2.77 | 1,000.000 | 0.010 | 0.33 | 0.2030 |
| CO-5799 | MH-5796 | MH-5797 | 474.03 | 472.88 | 472.73 | 150.0 | 19 | 1.01 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5834 | MH-5797 | MH-5817 | 473.90 | 471.12 | 471.10 | 150.0 | 20 | 2.42 | 1,000.000 | 0.010 | 0.34 | 0.2169 |
| CO-5835 | MH-5817 | MH-5801 | 473.46 | 471.10 | 471.08 | 150.0 | 21 | 2.16 | 1,000.000 | 0.010 | 0.34 | 0.2308 |
| CO-5805 | MH-5800 | MH-5801 | 473.31 | 472.16 | 472.01 | 150.0 | 18 | 1.09 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5836 | MH-5801 | MH-5818 | 473.34 | 471.08 | 471.06 | 150.0 | 20 | 1.77 | 1,000.000 | 0.010 | 0.35 | 0.2446 |
| CO-5837 | MH-5818 | MH-5795 | 472.64 | 471.06 | 471.04 | 150.0 | 19 | 1.55 | 1,000.000 | 0.010 | 0.35 | 0.2516 |
| CO-5838 | MH-5795 | MH-5819 | 472.86 | 471.04 | 471.01 | 150.0 | 30 | 1.56 | 1,000.000 | 0.010 | 0.35 | 0.2585 |
| CO-5840 | MH-5819 | MH-5820 | 472.62 | 471.01 | 470.99 | 150.0 | 25 | 1.48 | 1,000.000 | 0.010 | 0.35 | 0.2655 |
| CO-5842 | MH-5820 | MH-5821 | 472.64 | 470.99 | 470.96 | 150.0 | 28 | 1.46 | 1,000.000 | 0.010 | 0.36 | 0.2724 |
| CO-5844 | MH-5821 | MH-5822 | 472.52 | 470.96 | 470.93 | 150.0 | 29 | 1.31 | 1,000.000 | 0.010 | 0.36 | 0.2794 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5846 | MH-5822 | MH-5823 | 472.29 | 470.93 | 470.50 | 150.0 | 23 | 1.11 | 53.185 | 0.010 | 1.04 | 0.2863 |
| CO-5847 | MH-5823 | MH-5781 | 471.65 | 470.50 | 470.48 | 150.0 | 21 | 1.01 | 1,000.000 | 0.010 | 0.36 | 0.2933 |
| CO-5848 | MH-5781 | MH-5824 | 471.65 | 469.81 | 469.66 | 150.0 | 30 | 1.51 | 200.000 | 0.010 | 0.66 | 0.3002 |
| CO-5850 | MH-5824 | MH-5825 | 471.13 | 469.66 | 469.62 | 150.0 | 33 | 1.23 | 1,000.000 | 0.010 | 0.37 | 0.3072 |
| CO-5852 | MH-5825 | MH-5826 | 470.92 | 469.62 | 469.12 | 150.0 | 27 | 1.07 | 54.388 | 0.010 | 1.08 | 0.3359 |
| CO-5853 | MH-5826 | MH-5709 | 470.27 | 469.12 | 468.55 | 150.0 | 28 | 1.20 | 49.244 | 0.010 | 1.13 | 0.3428 |
| CO-5854 | MH-5709 | MH-5827 | 470.11 | 468.55 | 467.88 | 150.0 | 23 | 1.20 | 35.000 | 0.010 | 1.28 | 0.3501 |
| CO-5855 | MH-5827 | MH-5783 | 469.03 | 467.75 | 467.07 | 150.0 | 24 | 1.06 | 35.000 | 0.010 | 1.29 | 0.3570 |
| CO-5856 | MH-5783 | MH-5828 | 468.22 | 467.07 | 467.04 | 150.0 | 20 | 1.00 | 1,000.000 | 0.010 | 0.38 | 0.3639 |
| CO-5857 | MH-5828 | MH-5785 | 468.20 | 467.04 | 467.03 | 150.0 | 17 | 1.02 | 1,000.000 | 0.010 | 0.38 | 0.3709 |
| CO-5940 | MH-5785 | MH-5871 | 468.22 | 467.03 | 467.00 | 150.0 | 27 | 1.07 | 1,000.000 | 0.010 | 0.40 | 0.4473 |
| CO-5941 | MH-5871 | MH-4194 | 468.24 | 467.00 | 466.37 | 150.0 | 26 | 1.42 | 41.263 | 0.010 | 1.30 | 0.4543 |
| CO-5994 | MH-5898 | MH-5717 | 471.36 | 470.21 | 470.03 | 150.0 | 23 | 1.03 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5706 | MH-5717 | MH-5721 | 471.23 | 470.03 | 469.43 | 150.0 | 33 | 1.03 | 55.401 | 0.010 | 0.42 | 0.0142 |
| CO-5707 | MH-5721 | MH-5716 | 470.58 | 469.43 | 468.69 | 150.0 | 30 | 1.00 | 39.870 | 0.010 | 0.53 | 0.0214 |
| CO-5698 | MH-5712 | MH-5713 | 468.30 | 467.15 | 466.90 | 150.0 | 34 | 1.56 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5699 | MH-5713 | MH-5714 | 469.17 | 466.90 | 466.80 | 150.0 | 27 | 2.39 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5701 | MH-5714 | MH-5708 | 469.61 | 466.80 | 466.74 | 150.0 | 20 | 2.92 | 348.771 | 0.010 | 0.25 | 0.0217 |
| CO-5985 | MH-5894 | MH-5710 | 470.12 | 468.97 | 468.75 | 150.0 | 27 | 1.13 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5696 | MH-5710 | MH-5711 | 470.17 | 468.75 | 468.66 | 150.0 | 24 | 1.36 | 245.642 | 0.010 | 0.25 | 0.0142 |
| CO-5697 | MH-5711 | MH-5708 | 470.26 | 468.66 | 468.60 | 150.0 | 20 | 1.39 | 344.649 | 0.010 | 0.25 | 0.0214 |
| CO-5750 | MH-5758 | MH-5707 | 471.25 | 470.10 | 469.52 | 150.0 | 24 | 1.00 | 41.776 | 0.010 | 0.37 | 0.0072 |
| CO-5694 | MH-5707 | MH-5708 | 470.67 | 469.52 | 468.92 | 150.0 | 28 | 1.00 | 47.008 | 0.010 | 0.44 | 0.0145 |
| CO-5702 | MH-5708 | MH-5716 | 470.07 | 466.74 | 466.71 | 150.0 | 30 | 3.08 | 874.478 | 0.010 | 0.25 | 0.0649 |
| CO-5708 | MH-5716 | MH-5722 | 469.84 | 466.71 | 466.68 | 150.0 | 29 | 2.57 | 1,000.000 | 0.010 | 0.27 | 0.0936 |
| CO-5709 | MH-5722 | MH-5723 | 468.98 | 466.68 | 466.65 | 150.0 | 23 | 2.04 | 1,000.000 | 0.010 | 0.27 | 0.1009 |
| CO-5936 | MH-5723 | MH-5726 | 468.72 | 466.65 | 466.62 | 150.0 | 36 | 1.66 | 1,000.000 | 0.010 | 0.28 | 0.1081 |
| CO-5713 | MH-5727 | MH-5728 | 469.47 | 468.32 | 468.06 | 150.0 | 35 | 1.56 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5715 | MH-5728 | MH-5729 | 470.32 | 468.06 | 467.98 | 150.0 | 20 | 2.41 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5716 | MH-5729 | MH-5718 | 470.83 | 467.98 | 467.92 | 150.0 | 20 | 2.91 | 348.771 | 0.010 | 0.25 | 0.0217 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5998 | MH-5899 | MH-5718 | 471.21 | 470.06 | 469.94 | 150.0 | 15 | 1.05 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5986 | MH-5718 | MH-5895 | 471.19 | 467.92 | 467.88 | 150.0 | 26 | 3.20 | 536.570 | 0.010 | 0.25 | 0.0359 |
| CO-5717 | MH-5895 | MH-5730 | 471.31 | 467.88 | 467.83 | 150.0 | 30 | 2.88 | 624.086 | 0.010 | 0.25 | 0.0429 |
| CO-5718 | MH-5730 | MH-5731 | 470.45 | 467.83 | 467.78 | 150.0 | 31 | 2.02 | 712.642 | 0.010 | 0.25 | 0.0501 |
| CO-5720 | MH-5731 | MH-5733 | 469.50 | 467.78 | 467.64 | 150.0 | 37 | 1.29 | 248.042 | 0.010 | 0.38 | 0.0574 |
| CO-5983 | MH-5893 | MH-5890 | 469.92 | 468.72 | 468.92 | 150.0 | 25 | 1.03 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5982 | MH-5737 | MH-5893 | 469.78 | 468.61 | 468.72 | 150.0 | 26 | 1.04 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5724 | MH-5736 | MH-5737 | 469.27 | 468.12 | 468.61 | 150.0 | 35 | 1.01 | 71.457 | 0.010 | 0.43 | 0.0211 |
| CO-5723 | MH-5733 | MH-5736 | 468.79 | 467.64 | 468.12 | 150.0 | 34 | 1.00 | 68.919 | 0.010 | 0.48 | 0.0284 |
| CO-5722 | MH-5733 | MH-5726 | 468.79 | 467.02 | 467.64 | 150.0 | 23 | 1.00 | 36.813 | 0.010 | 0.85 | 0.0930 |
| CO-5721 | MH-5726 | MH-5734 | 468.17 | 466.58 | 466.62 | 150.0 | 34 | 1.25 | 1,000.000 | 0.010 | 0.33 | 0.2084 |
| CO-5980 | MH-5734 | MH-5892 | 467.83 | 466.58 | 466.56 | 150.0 | 20 | 1.25 | 1,000.000 | 0.010 | 0.33 | 0.2156 |
| CO-5981 | MH-5892 | MH-4099 | 468.11 | 466.56 | 466.54 | 150.0 | 19 | 1.54 | 1,000.000 | 0.010 | 0.34 | 0.2226 |
| CO-5662 | MH-5671 | MH-5672 | 471.68 | 470.53 | 471.17 | 150.0 | 27 | 1.00 | 41.730 | 0.010 | 0.37 | 0.0072 |
| CO-5661 | MH-5670 | MH-5671 | 470.82 | 469.67 | 470.53 | 150.0 | 31 | 1.00 | 36.454 | 0.010 | 0.49 | 0.0145 |
| CO-5660 | MH-5669 | MH-5670 | 470.23 | 469.08 | 469.67 | 150.0 | 27 | 1.00 | 45.396 | 0.010 | 0.51 | 0.0217 |
| CO-5659 | MH-5668 | MH-5669 | 469.80 | 468.65 | 469.08 | 150.0 | 37 | 1.00 | 85.840 | 0.010 | 0.45 | 0.0290 |
| CO-5970 | MH-5668 | MH-5674 | 469.80 | 468.65 | 468.61 | 150.0 | 21 | 1.08 | 540.309 | 0.010 | 0.25 | 0.0362 |
| CO-5667 | MH-5677 | MH-5678 | 471.76 | 470.61 | 471.41 | 150.0 | 28 | 1.03 | 35.000 | 0.010 | 0.40 | 0.0072 |
| CO-5666 | MH-5676 | MH-5677 | 471.06 | 469.90 | 470.61 | 150.0 | 31 | 1.00 | 44.160 | 0.010 | 0.45 | 0.0145 |
| CO-5665 | MH-5675 | MH-5676 | 470.22 | 469.07 | 469.90 | 150.0 | 29 | 1.00 | 35.000 | 0.010 | 0.55 | 0.0217 |
| CO-5664 | MH-5674 | MH-5675 | 469.92 | 468.61 | 469.07 | 150.0 | 31 | 1.08 | 66.374 | 0.010 | 0.49 | 0.0290 |
| CO-5971 | MH-5674 | MH-4077 | 469.92 | 468.61 | 468.59 | 150.0 | 22 | 1.16 | 956.379 | 0.010 | 0.25 | 0.0725 |
| CO-5976 | MH-5889 | MH-4074 | 472.84 | 471.69 | 471.21 | 150.0 | 22 | 1.02 | 45.883 | 0.010 | 0.36 | 0.0069 |
| CO-4073 | MH-4074 | MH-4075 | 472.41 | 471.21 | 470.35 | 150.0 | 30 | 1.02 | 35.000 | 0.010 | 0.49 | 0.0142 |
| CO-4074 | MH-4075 | MH-4076 | 471.50 | 470.35 | 469.44 | 150.0 | 37 | 1.00 | 40.274 | 0.010 | 0.53 | 0.0214 |
| CO-4075 | MH-4076 | MH-4077 | 470.59 | 469.44 | 468.59 | 150.0 | 37 | 1.08 | 43.208 | 0.010 | 0.56 | 0.0287 |
| CO-5974 | MH-4077 | MH-5888 | 469.90 | 468.59 | 468.57 | 150.0 | 22 | 1.10 | 1,000.000 | 0.010 | 0.28 | 0.1084 |
| CO-5968 | MH-5886 | MH-5753 | 474.05 | 472.90 | 472.47 | 150.0 | 20 | 1.00 | 45.232 | 0.010 | 0.36 | 0.0069 |
| CO-5741 | MH-5753 | MH-5701 | 473.62 | 472.47 | 471.80 | 150.0 | 29 | 1.00 | 42.510 | 0.010 | 0.46 | 0.0142 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5685 | MH-5697 | MH-5673 | 472.86 | 471.71 | 471.60 | 150.0 | 14 | 1.10 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5686 | MH-5673 | MH-5679 | 472.96 | 471.60 | 471.49 | 150.0 | 27 | 1.26 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5687 | MH-5679 | MH-5700 | 472.95 | 471.49 | 471.45 | 150.0 | 16 | 1.35 | 348.771 | 0.010 | 0.25 | 0.0217 |
| CO-5688 | MH-5700 | MH-5701 | 472.98 | 471.45 | 471.39 | 150.0 | 24 | 1.39 | 448.147 | 0.010 | 0.25 | 0.0290 |
| CO-5742 | MH-5701 | MH-5754 | 472.95 | 471.39 | 471.16 | 150.0 | 29 | 1.20 | 122.280 | 0.010 | 0.47 | 0.0504 |
| CO-5743 | MH-5754 | MH-5755 | 472.31 | 471.16 | 470.40 | 150.0 | 30 | 1.00 | 39.413 | 0.010 | 0.72 | 0.0577 |
| CO-5744 | MH-5755 | MH-5756 | 471.55 | 470.40 | 469.74 | 150.0 | 28 | 1.00 | 42.736 | 0.010 | 0.72 | 0.0649 |
| CO-5745 | MH-5756 | MH-5738 | 470.89 | 469.74 | 468.97 | 150.0 | 28 | 1.00 | 36.407 | 0.010 | 0.79 | 0.0722 |
| CO-5972 | MH-5738 | MH-5888 | 470.12 | 468.97 | 468.57 | 150.0 | 17 | 1.02 | 43.451 | 0.010 | 0.77 | 0.0794 |
| CO-5973 | MH-5888 | MH-5757 | 469.76 | 468.57 | 468.31 | 150.0 | 12 | 1.02 | 46.166 | 0.010 | 0.97 | 0.1948 |
| CO-5747 | MH-5757 | MH-5702 | 469.46 | 468.31 | 467.66 | 150.0 | 30 | 1.00 | 46.345 | 0.010 | 0.99 | 0.2020 |
| CO-5656 | MH-5665 | MH-5664 | 470.25 | 469.10 | 468.90 | 150.0 | 19 | 1.07 | 99.812 | 0.010 | 0.28 | 0.0072 |
| CO-5650 | MH-5658 | MH-5659 | 472.87 | 471.72 | 470.80 | 150.0 | 32 | 1.00 | 35.296 | 0.010 | 0.40 | 0.0072 |
| CO-5651 | MH-5659 | MH-5660 | 471.95 | 470.80 | 470.16 | 150.0 | 27 | 1.00 | 41.309 | 0.010 | 0.46 | 0.0145 |
| CO-5652 | MH-5660 | MH-5661 | 471.31 | 470.16 | 469.67 | 150.0 | 33 | 1.00 | 66.601 | 0.010 | 0.44 | 0.0217 |
| CO-5653 | MH-5661 | MH-5662 | 470.82 | 469.67 | 469.21 | 150.0 | 30 | 1.00 | 65.770 | 0.010 | 0.49 | 0.0290 |
| CO-5654 | MH-5662 | MH-5663 | 470.36 | 469.21 | 468.97 | 150.0 | 30 | 1.00 | 123.994 | 0.010 | 0.42 | 0.0362 |
| CO-5655 | MH-5663 | MH-5664 | 470.12 | 468.97 | 468.90 | 150.0 | 39 | 1.07 | 631.229 | 0.010 | 0.25 | 0.0435 |
| CO-5657 | MH-5664 | MH-5666 | 470.20 | 468.90 | 468.23 | 150.0 | 36 | 1.07 | 53.114 | 0.010 | 0.65 | 0.0580 |
| CO-5658 | MH-5666 | MH-5667 | 469.38 | 468.23 | 468.21 | 150.0 | 24 | 1.07 | 877.302 | 0.010 | 0.25 | 0.0652 |
| CO-5689 | MH-5667 | MH-5702 | 469.50 | 468.21 | 467.66 | 150.0 | 36 | 1.07 | 65.770 | 0.010 | 0.64 | 0.0725 |
| CO-5690 | MH-5703 | MH-5702 | 468.81 | 467.63 | 467.66 | 150.0 | 37 | 1.02 | 1,000.000 | 0.010 | 0.36 | 0.2817 |
| CO-5748 | MH-5703 | MH-4096 | 468.81 | 467.63 | 467.21 | 150.0 | 40 | 1.02 | 95.933 | 0.010 | 0.85 | 0.2890 |
| CO-5629 | MH-5638 | MH-5637 | 471.11 | 469.96 | 469.71 | 150.0 | 20 | 1.15 | 81.987 | 0.010 | 0.30 | 0.0072 |
| CO-5625 | MH-5634 | MH-5635 | 471.30 | 470.15 | 469.91 | 150.0 | 32 | 1.27 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5626 | MH-5635 | MH-5636 | 471.60 | 469.91 | 469.82 | 150.0 | 22 | 1.56 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5627 | MH-5636 | MH-5633 | 471.56 | 469.82 | 469.76 | 150.0 | 22 | 1.59 | 348.771 | 0.010 | 0.25 | 0.0217 |
| CO-5623 | MH-5631 | MH-5632 | 471.24 | 470.09 | 469.90 | 150.0 | 26 | 1.24 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5624 | MH-5632 | MH-5633 | 471.52 | 469.90 | 469.76 | 150.0 | 19 | 1.53 | 136.692 | 0.010 | 0.30 | 0.0145 |
| CO-5628 | MH-5633 | MH-5637 | 471.50 | 469.76 | 469.71 | 150.0 | 30 | 1.45 | 631.229 | 0.010 | 0.25 | 0.0435 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5630 | MH-5637 | MH-5639 | 471.16 | 469.71 | 469.68 | 150.0 | 29 | 1.46 | 801.155 | 0.010 | 0.25 | 0.0580 |
| CO-5631 | MH-5639 | MH-4001 | 471.44 | 469.68 | 469.65 | 150.0 | 19 | 1.56 | 877.302 | 0.010 | 0.25 | 0.0652 |
| CO-4001 | MH-4001 | MH-4002 | 471.31 | 469.65 | 469.62 | 150.0 | 31 | 1.32 | 956.379 | 0.010 | 0.25 | 0.0725 |
| CO-4002 | MH-4002 | MH-4003 | 470.90 | 469.62 | 469.48 | 150.0 | 30 | 1.06 | 214.333 | 0.010 | 0.44 | 0.0797 |
| CO-4003 | MH-4003 | MH-4004 | 470.63 | 469.48 | 469.26 | 150.0 | 30 | 1.00 | 137.944 | 0.010 | 0.52 | 0.0870 |
| CO-4004 | MH-4004 | MH-4005 | 470.41 | 469.26 | 469.04 | 150.0 | 23 | 1.00 | 104.439 | 0.010 | 0.59 | 0.0942 |
| CO-4005 | MH-4005 | MH-4006 | 470.19 | 469.04 | 468.77 | 150.0 | 16 | 1.00 | 58.823 | 0.010 | 0.74 | 0.1015 |
| CO-4022 | MH-4006 | MH-4012 | 469.92 | 468.75 | 468.77 | 150.0 | 14 | 1.04 | 1,000.000 | 0.010 | 0.28 | 0.1087 |
| CO-5640 | MH-5648 | MH-5649 | 470.93 | 469.78 | 469.61 | 150.0 | 23 | 1.17 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5641 | MH-5649 | MH-5650 | 471.10 | 469.61 | 469.53 | 150.0 | 19 | 1.26 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5638 | MH-5646 | MH-5650 | 471.21 | 470.06 | 469.72 | 150.0 | 17 | 1.00 | 49.982 | 0.010 | 0.35 | 0.0072 |
| CO-5642 | MH-5650 | MH-4019 | 470.87 | 469.53 | 469.45 | 150.0 | 35 | 1.21 | 448.147 | 0.010 | 0.25 | 0.0290 |
| CO-4016 | MH-4019 | MH-4016 | 470.83 | 469.45 | 469.41 | 150.0 | 23 | 1.11 | 489.580 | 0.010 | 0.26 | 0.0362 |
| CO-4014 | MH-4017 | MH-4018 | 471.10 | 469.49 | 468.61 | 150.0 | 31 | 1.23 | 35.000 | 0.010 | 0.40 | 0.0072 |
| CO-4015 | MH-4018 | MH-4016 | 469.76 | 468.61 | 468.48 | 150.0 | 32 | 1.47 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-4011 | MH-4013 | MH-4014 | 470.55 | 469.40 | 469.18 | 150.0 | 30 | 1.13 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-4012 | MH-4014 | MH-4015 | 470.58 | 469.18 | 469.07 | 150.0 | 26 | 1.29 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-4013 | MH-4015 | MH-4016 | 470.54 | 469.07 | 468.48 | 150.0 | 26 | 1.63 | 43.667 | 0.010 | 0.51 | 0.0217 |
| CO-4017 | MH-4016 | MH-4020 | 470.56 | 468.48 | 468.45 | 150.0 | 27 | 2.25 | 1,000.000 | 0.010 | 0.25 | 0.0797 |
| CO-4018 | MH-4020 | MH-4021 | 471.17 | 468.45 | 468.42 | 150.0 | 30 | 2.01 | 1,000.000 | 0.010 | 0.26 | 0.0870 |
| CO-4019 | MH-4021 | MH-4022 | 470.02 | 468.42 | 468.39 | 150.0 | 30 | 1.33 | 1,000.000 | 0.010 | 0.27 | 0.0942 |
| CO-4020 | MH-4022 | MH-4023 | 469.75 | 468.39 | 468.35 | 150.0 | 36 | 1.11 | 1,000.000 | 0.010 | 0.27 | 0.1015 |
| CO-4021 | MH-4023 | MH-4012 | 469.52 | 468.35 | 468.32 | 150.0 | 35 | 1.26 | 1,000.000 | 0.010 | 0.28 | 0.1087 |
| CO-5633 | MH-5642 | MH-5643 | 471.06 | 469.91 | 469.71 | 150.0 | 26 | 1.09 | 134.031 | 0.010 | 0.25 | 0.0072 |
| CO-5634 | MH-5643 | MH-5641 | 471.04 | 469.71 | 469.63 | 150.0 | 20 | 1.31 | 249.569 | 0.010 | 0.25 | 0.0145 |
| CO-5632 | MH-5640 | MH-5641 | 471.25 | 470.10 | 469.63 | 150.0 | 18 | 1.23 | 38.396 | 0.010 | 0.39 | 0.0072 |
| CO-5635 | MH-5641 | MH-5644 | 471.24 | 469.63 | 469.58 | 150.0 | 26 | 1.46 | 448.147 | 0.010 | 0.25 | 0.0290 |
| CO-5636 | MH-5644 | MH-5645 | 471.19 | 469.58 | 469.54 | 150.0 | 20 | 1.47 | 540.309 | 0.010 | 0.25 | 0.0362 |
| CO-5637 | MH-5645 | MH-4008 | 471.16 | 469.54 | 469.52 | 150.0 | 9 | 1.41 | 631.229 | 0.010 | 0.25 | 0.0435 |
| CO-4007 | MH-4008 | MH-4009 | 471.02 | 469.52 | 469.49 | 150.0 | 27 | 1.24 | 722.354 | 0.010 | 0.25 | 0.0507 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4008 | MH-4009 | MH-4010 | 470.76 | 469.49 | 469.29 | 150.0 | 30 | 1.06 | 151.233 | 0.010 | 0.45 | 0.0580 |
| CO-4009 | MH-4010 | MH-4011 | 470.44 | 469.29 | 468.99 | 150.0 | 30 | 1.00 | 97.948 | 0.010 | 0.54 | 0.0652 |
| CO-4010 | MH-4011 | MH-4012 | 470.14 | 468.99 | 468.32 | 150.0 | 27 | 1.25 | 40.207 | 0.010 | 0.76 | 0.0725 |
| CO-5643 | MH-4012 | MH-5651 | 469.97 | 468.32 | 468.28 | 150.0 | 39 | 1.52 | 1,000.000 | 0.010 | 0.36 | 0.2971 |
| CO-5644 | MH-5651 | MH-5652 | 469.96 | 468.28 | 468.24 | 150.0 | 37 | 1.37 | 1,000.000 | 0.010 | 0.36 | 0.3044 |
| CO-5645 | MH-5652 | MH-5653 | 469.60 | 468.24 | 468.22 | 150.0 | 19 | 1.21 | 1,000.000 | 0.010 | 0.37 | 0.3116 |
| CO-5646 | MH-5653 | MH-5654 | 469.58 | 468.22 | 468.20 | 150.0 | 19 | 1.32 | 1,000.000 | 0.010 | 0.37 | 0.3189 |
| CO-5647 | MH-5654 | MH-5655 | 469.79 | 468.20 | 468.17 | 150.0 | 36 | 1.28 | 1,000.000 | 0.010 | 0.37 | 0.3261 |
| CO-5648 | MH-5655 | MH-5656 | 469.44 | 468.17 | 467.56 | 150.0 | 38 | 1.26 | 62.604 | 0.010 | 1.03 | 0.3334 |
| CO-5649 | MH-5656 | MH-5657 | 469.10 | 467.11 | 466.96 | 600.0 | 62 | 1.45 | 400.000 | 0.011 | 1.38 | 21.3600 |
| CO-4070 | MH-5657 | MH-4071 | 469.08 | 466.86 | 466.83 | 700.0 | 24 | 1.44 | 1,000.000 | 0.011 | 0.98 | 21.3654 |
| CO-4078 | MH-4071 | MH-4079 | 468.90 | 466.83 | 466.82 | 700.0 | 17 | 1.32 | 1,000.000 | 0.011 | 0.98 | 21.3708 |
| CO-4079 | MH-4079 | MH-4080 | 468.79 | 466.82 | 466.79 | 700.0 | 28 | 1.16 | 1,000.000 | 0.011 | 0.98 | 21.3762 |
| CO-4095 | MH-4080 | MH-4096 | 468.52 | 466.79 | 466.66 | 700.0 | 26 | 1.02 | 210.717 | 0.011 | 1.76 | 21.3816 |
| CO-4096 | MH-4096 | MH-4097 | 468.36 | 466.66 | 466.50 | 700.0 | 27 | 1.00 | 168.490 | 0.011 | 1.91 | 21.6023 |
| CO-4097 | MH-4097 | MH-4098 | 468.20 | 466.50 | 466.34 | 700.0 | 37 | 1.00 | 228.798 | 0.011 | 1.71 | 21.6077 |
| CO-4098 | MH-4098 | MH-4099 | 468.04 | 466.34 | 465.99 | 700.0 | 23 | 1.34 | 65.266 | 0.011 | 2.69 | 21.6131 |
| CO-4099 | MH-4099 | MH-4100 | 468.38 | 465.99 | 465.97 | 700.0 | 22 | 1.78 | 1,000.000 | 0.011 | 0.98 | 21.7839 |
| CO-4186 | MH-4100 | MH-4189 | 468.56 | 465.97 | 465.95 | 700.0 | 23 | 1.82 | 1,000.000 | 0.011 | 0.98 | 21.7894 |
| CO-4187 | MH-4189 | MH-4190 | 468.40 | 465.95 | 465.92 | 700.0 | 25 | 1.61 | 1,000.000 | 0.011 | 0.98 | 21.7948 |
| CO-4188 | MH-4190 | MH-4191 | 468.08 | 465.92 | 465.90 | 700.0 | 29 | 1.33 | 1,000.000 | 0.011 | 0.98 | 21.8002 |
| CO-4189 | MH-4191 | MH-4192 | 467.79 | 465.90 | 465.86 | 700.0 | 31 | 1.10 | 1,000.000 | 0.011 | 0.98 | 21.8056 |
| CO-4190 | MH-4192 | MH-4193 | 467.57 | 465.86 | 465.83 | 700.0 | 30 | 1.26 | 1,000.000 | 0.011 | 0.98 | 21.8110 |
| CO-4191 | MH-4193 | MH-4194 | 468.04 | 465.83 | 465.82 | 700.0 | 12 | 1.62 | 1,000.000 | 0.011 | 0.98 | 21.8164 |
| CO-4217 | MH-4194 | MH-4219 | 468.26 | 465.82 | 465.65 | 700.0 | 18 | 1.45 | 100.000 | 0.011 | 2.65 | 35.9322 |
| CO-4218 | MH-4219 | MH-4220 | 467.51 | 465.65 | 465.34 | 700.0 | 30 | 1.20 | 100.000 | 0.011 | 2.65 | 35.9375 |
| CO-4219 | MH-4220 | MH-4221 | 467.28 | 465.34 | 465.04 | 700.0 | 30 | 1.09 | 100.000 | 0.011 | 2.65 | 35.9428 |
| CO-4220 | MH-4221 | MH-4222 | 466.70 | 465.04 | 464.98 | 700.0 | 30 | 1.09 | 500.000 | 0.011 | 1.44 | 37.4492 |
| CO-4221 | MH-4222 | MH-4223 | 466.91 | 464.98 | 464.76 | 700.0 | 34 | 1.23 | 150.000 | 0.011 | 2.30 | 37.4545 |
| CO-5765 | MH-5776 | MH-5774 | 468.70 | 467.55 | 467.35 | 150.0 | 25 | 1.06 | 125.281 | 0.010 | 0.25 | 0.0069 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5942 | MH-5778 | MH-5872 | 467.95 | 466.80 | 466.65 | 150.0 | 19 | 1.18 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5943 | MH-5872 | MH-5774 | 468.17 | 466.65 | 466.56 | 150.0 | 22 | 1.63 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5876 | MH-5837 | MH-5838 | 470.75 | 469.60 | 469.08 | 150.0 | 24 | 1.00 | 45.285 | 0.010 | 0.36 | 0.0069 |
| CO-5878 | MH-5838 | MH-5839 | 470.23 | 469.08 | 468.98 | 150.0 | 23 | 1.05 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5880 | MH-5839 | MH-5840 | 470.23 | 468.98 | 468.93 | 150.0 | 17 | 1.15 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5882 | MH-5840 | MH-5841 | 470.29 | 468.93 | 468.89 | 150.0 | 16 | 1.28 | 432.945 | 0.010 | 0.25 | 0.0278 |
| CO-5884 | MH-5841 | MH-5842 | 470.39 | 468.89 | 468.86 | 150.0 | 15 | 1.29 | 516.969 | 0.010 | 0.25 | 0.0347 |
| CO-5885 | MH-5842 | MH-5760 | 470.24 | 468.86 | 468.77 | 150.0 | 17 | 1.11 | 173.228 | 0.010 | 0.39 | 0.0417 |
| CO-5755 | MH-5768 | MH-5760 | 470.41 | 469.26 | 468.77 | 150.0 | 23 | 1.00 | 45.566 | 0.010 | 0.36 | 0.0069 |
| CO-5912 | MH-5760 | MH-5856 | 469.92 | 468.77 | 468.40 | 150.0 | 19 | 1.00 | 50.939 | 0.010 | 0.65 | 0.0556 |
| CO-5914 | MH-5856 | MH-5857 | 469.55 | 468.40 | 468.15 | 150.0 | 23 | 1.00 | 91.440 | 0.010 | 0.55 | 0.0625 |
| CO-5916 | MH-5857 | MH-5858 | 469.30 | 468.15 | 467.92 | 150.0 | 21 | 1.00 | 90.115 | 0.010 | 0.57 | 0.0695 |
| CO-5917 | MH-5858 | MH-5774 | 469.07 | 467.92 | 467.46 | 150.0 | 23 | 1.00 | 49.033 | 0.010 | 0.73 | 0.0764 |
| CO-5766 | MH-5774 | MH-5775 | 468.61 | 466.56 | 466.53 | 150.0 | 30 | 1.65 | 1,000.000 | 0.010 | 0.27 | 0.1042 |
| CO-5756 | MH-5769 | MH-5764 | 469.78 | 468.63 | 468.36 | 150.0 | 26 | 1.00 | 94.827 | 0.010 | 0.28 | 0.0069 |
| CO-5886 | MH-5763 | MH-5843 | 470.16 | 469.01 | 468.70 | 150.0 | 23 | 1.00 | 71.604 | 0.010 | 0.31 | 0.0069 |
| CO-5888 | MH-5843 | MH-5844 | 469.85 | 468.70 | 468.62 | 150.0 | 18 | 1.04 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5890 | MH-5844 | MH-5845 | 469.85 | 468.62 | 468.56 | 150.0 | 20 | 1.07 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5892 | MH-5845 | MH-5846 | 469.77 | 468.56 | 468.52 | 150.0 | 20 | 1.07 | 432.945 | 0.010 | 0.25 | 0.0278 |
| CO-5894 | MH-5846 | MH-5847 | 469.75 | 468.52 | 468.49 | 150.0 | 15 | 1.10 | 516.969 | 0.010 | 0.25 | 0.0347 |
| CO-5895 | MH-5847 | MH-5764 | 469.76 | 468.49 | 468.36 | 150.0 | 16 | 1.06 | 120.731 | 0.010 | 0.44 | 0.0417 |
| CO-5918 | MH-5764 | MH-5859 | 469.51 | 468.36 | 468.09 | 150.0 | 19 | 1.00 | 70.162 | 0.010 | 0.58 | 0.0556 |
| CO-5920 | MH-5859 | MH-5860 | 469.24 | 468.09 | 467.97 | 150.0 | 21 | 1.00 | 172.720 | 0.010 | 0.44 | 0.0625 |
| CO-5922 | MH-5860 | MH-5861 | 469.12 | 467.97 | 467.64 | 150.0 | 21 | 1.00 | 64.012 | 0.010 | 0.64 | 0.0695 |
| CO-5923 | MH-5861 | MH-5775 | 468.79 | 467.64 | 466.94 | 150.0 | 24 | 1.00 | 35.000 | 0.010 | 0.81 | 0.0764 |
| CO-5767 | MH-5775 | MH-5766 | 468.09 | 466.53 | 466.46 | 150.0 | 34 | 1.20 | 472.611 | 0.010 | 0.42 | 0.1876 |
| CO-5759 | MH-5770 | MH-5771 | 469.23 | 468.08 | 467.73 | 150.0 | 28 | 1.00 | 80.119 | 0.010 | 0.30 | 0.0069 |
| CO-5896 | MH-5765 | MH-5848 | 469.42 | 468.27 | 468.04 | 150.0 | 26 | 1.00 | 113.969 | 0.010 | 0.26 | 0.0069 |
| CO-5898 | MH-5848 | MH-5849 | 469.19 | 468.04 | 467.95 | 150.0 | 22 | 1.01 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5900 | MH-5849 | MH-5850 | 469.13 | 467.95 | 467.89 | 150.0 | 20 | 1.09 | 336.432 | 0.010 | 0.25 | 0.0208 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5902 | MH-5850 | MH-5851 | 469.20 | 467.89 | 467.84 | 150.0 | 21 | 1.10 | 432.945 | 0.010 | 0.25 | 0.0278 |
| CO-5903 | MH-5851 | MH-5771 | 469.04 | 467.84 | 467.73 | 150.0 | 25 | 1.02 | 218.045 | 0.010 | 0.34 | 0.0347 |
| CO-5924 | MH-5771 | MH-5862 | 468.88 | 467.73 | 467.55 | 150.0 | 20 | 1.00 | 111.760 | 0.010 | 0.47 | 0.0486 |
| CO-5926 | MH-5862 | MH-5863 | 468.70 | 467.55 | 467.19 | 150.0 | 20 | 1.00 | 56.727 | 0.010 | 0.63 | 0.0556 |
| CO-5928 | MH-5863 | MH-5864 | 468.34 | 467.19 | 466.86 | 150.0 | 21 | 1.00 | 64.655 | 0.010 | 0.62 | 0.0625 |
| CO-5929 | MH-5864 | MH-5766 | 468.01 | 466.86 | 466.46 | 150.0 | 25 | 1.00 | 61.722 | 0.010 | 0.65 | 0.0695 |
| CO-5770 | MH-5766 | MH-5777 | 467.61 | 466.46 | 465.98 | 150.0 | 33 | 1.00 | 67.929 | 0.010 | 0.93 | 0.2640 |
| CO-5762 | MH-5772 | MH-5773 | 468.56 | 467.41 | 467.06 | 150.0 | 23 | 1.00 | 65.314 | 0.010 | 0.32 | 0.0069 |
| CO-5904 | MH-5767 | MH-5852 | 468.88 | 467.73 | 467.33 | 150.0 | 24 | 1.00 | 59.436 | 0.010 | 0.33 | 0.0069 |
| CO-5906 | MH-5852 | MH-5853 | 468.48 | 467.33 | 467.23 | 150.0 | 25 | 1.19 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5908 | MH-5853 | MH-5854 | 468.76 | 467.23 | 467.14 | 150.0 | 28 | 1.38 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5910 | MH-5854 | MH-5855 | 468.66 | 467.14 | 467.10 | 150.0 | 19 | 1.30 | 432.945 | 0.010 | 0.25 | 0.0278 |
| CO-5911 | MH-5855 | MH-5773 | 468.48 | 467.10 | 467.06 | 150.0 | 16 | 1.12 | 413.611 | 0.010 | 0.27 | 0.0347 |
| CO-5930 | MH-5773 | MH-5865 | 468.21 | 467.06 | 466.80 | 150.0 | 18 | 1.00 | 70.338 | 0.010 | 0.56 | 0.0486 |
| CO-5932 | MH-5865 | MH-5866 | 467.95 | 466.80 | 466.63 | 150.0 | 19 | 1.00 | 111.162 | 0.010 | 0.50 | 0.0556 |
| CO-5934 | MH-5866 | MH-5867 | 467.78 | 466.63 | 466.41 | 150.0 | 23 | 1.00 | 103.909 | 0.010 | 0.52 | 0.0625 |
| CO-5935 | MH-5867 | MH-5777 | 467.56 | 466.41 | 465.98 | 150.0 | 25 | 1.00 | 57.509 | 0.010 | 0.67 | 0.0695 |
| CO-5938 | MH-5777 | MH-5870 | 467.13 | 465.98 | 465.68 | 150.0 | 25 | 1.00 | 84.216 | 0.010 | 0.93 | 0.3404 |
| CO-5939 | MH-5870 | MH-4223 | 466.83 | 465.68 | 465.31 | 150.0 | 26 | 1.12 | 71.076 | 0.010 | 0.99 | 0.3474 |
| CO-4262 | MH-4223 | MH-4264 | 466.69 | 464.76 | 464.59 | 700.0 | 26 | 1.31 | 150.000 | 0.011 | 2.31 | 37.7094 |
| CO-5945 | MH-5874 | MH-5873 | 468.40 | 467.12 | 467.25 | 150.0 | 17 | 1.02 | 125.281 | 0.010 | 0.25 | 0.0069 |
| CO-5950 | MH-5873 | MH-5877 | 468.30 | 467.01 | 467.12 | 150.0 | 25 | 1.24 | 241.747 | 0.010 | 0.25 | 0.0139 |
| CO-5952 | MH-5877 | MH-5878 | 468.60 | 466.94 | 467.01 | 150.0 | 26 | 1.43 | 336.432 | 0.010 | 0.25 | 0.0208 |
| CO-5954 | MH-5878 | MH-5879 | 468.50 | 466.89 | 466.94 | 150.0 | 21 | 1.34 | 432.945 | 0.010 | 0.25 | 0.0278 |
| CO-5953 | MH-5879 | MH-5876 | 468.30 | 466.86 | 466.89 | 150.0 | 16 | 1.18 | 516.969 | 0.010 | 0.25 | 0.0347 |
| CO-5948 | MH-5875 | MH-5876 | 468.25 | 467.10 | 466.86 | 150.0 | 20 | 1.05 | 81.224 | 0.010 | 0.30 | 0.0069 |
| CO-5956 | MH-5876 | MH-5880 | 468.10 | 466.65 | 466.86 | 150.0 | 17 | 1.05 | 81.346 | 0.010 | 0.53 | 0.0486 |
| CO-5958 | MH-5880 | MH-5881 | 467.80 | 466.55 | 466.65 | 150.0 | 21 | 1.00 | 207.264 | 0.010 | 0.40 | 0.0556 |
| CO-5960 | MH-5881 | MH-5882 | 467.70 | 466.30 | 466.55 | 150.0 | 22 | 1.00 | 89.002 | 0.010 | 0.55 | 0.0625 |
| CO-5962 | MH-5882 | MH-5883 | 467.45 | 466.10 | 466.30 | 150.0 | 24 | 1.00 | 118.872 | 0.010 | 0.52 | 0.0695 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|-------------|-------------------|---------------|
| CO-5964 | MH-5883 | MH-5884 | 467.25 | 465.55 | 466.10 | 150.0 | 24 | 1.00 | 43.780 | 0.010 | 0.75 | 0.0764 |
| CO-5963 | MH-5884 | MH-4264 | 466.70 | 465.14 | 465.55 | 150.0 | 26 | 1.19 | 62.540 | 0.010 | 0.68 | 0.0834 |
| CO-4263 | MH-4264 | MH-4265 | 466.68 | 464.59 | 464.38 | 700.0 | 30 | 1.20 | 150.000 | 0.011 | 2.31 | 37.7746 |
| CO-4264 | MH-4265 | MH-4266 | 466.10 | 464.38 | 464.15 | 700.0 | 35 | 1.04 | 150.000 | 0.011 | 2.31 | 37.7799 |
| CO-4265 | MH-4266 | MH-4267 | 465.92 | 464.15 | 463.95 | 700.0 | 30 | 1.18 | 150.000 | 0.011 | 2.31 | 37.7852 |
| CO-4266 | MH-4267 | MH-4268 | 465.94 | 463.95 | 463.75 | 700.0 | 30 | 1.35 | 150.000 | 0.011 | 2.31 | 37.7904 |
| CO-4267 | MH-4268 | MH-4269 | 465.88 | 463.75 | 463.55 | 700.0 | 30 | 1.60 | 150.000 | 0.011 | 2.31 | 37.7957 |
| CO-4268 | MH-4269 | MH-4270 | 466.03 | 463.45 | 463.42 | 800.0 | 27 | 1.87 | 1,000.000 | 0.011 | 1.11 | 37.8010 |
| CO-4269 | MH-4270 | MH-4271 | 466.19 | 463.42 | 463.10 | 800.0 | 32 | 1.65 | 100.000 | 0.011 | 2.81 | 45.5457 |
| CO-4270 | MH-4271 | MH-4272 | 465.24 | 463.10 | 462.91 | 800.0 | 29 | 1.64 | 150.000 | 0.011 | 2.42 | 45.5510 |
| CO-4271 | MH-4272 | MH-4273 | 465.65 | 462.81 | 462.78 | 900.0 | 29 | 2.09 | 1,000.000 | 0.011 | 1.18 | 45.5562 |
| CO-4272 | MH-4273 | MH-4274 | 465.90 | 462.78 | 462.64 | 900.0 | 21 | 2.39 | 150.000 | 0.011 | 2.40 | 45.5614 |
| CO-4273 | MH-4274 | OF-1 | 466.09 | 462.64 | 462.35 | 900.0 | 29 | 1.89 | 100.000 | 0.011 | 2.78 | 45.5667 |

Hydraulic Model Inventory: Zone IX Part VIII .stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city Zone IX Part VIII |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 16-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|------------------------|---|
| Conduits | 412 | Taps | 0 |
| -Circle | 412 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development | 0 |
| | | Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump | 0 |
| | | Batteries | 0 |
| Manholes | 412 | Air Valves | 0 |
| Property Connections | 0 | | |

Hydraulic Model Inventory: Zone IX Part VIII .stsw

| Circle Inventory | | | |
|-------------------|---------|-------------------|----------|
| Circle - 150.0 mm | 8,635 m | Circle - 350.0 mm | 615 m |
| Circle - 200.0 mm | 84 m | Circle - 900.0 mm | 906 m |
| Circle - 250.0 mm | 436 m | Total Length | 11,211 m |
| Circle - 300.0 mm | 534 m | | |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8669 | MH-8658 | MH-8663 | 469.26 | 468.11 | 467.80 | 150.0 | 19 | 1.00 | 58.226 | 0.010 | 0.38 | 0.01 |
| CO-8671 | MH-8662 | MH-8663 | 469.13 | 467.98 | 467.80 | 150.0 | 27 | 1.00 | 143.647 | 0.010 | 0.28 | 0.01 |
| CO-8670 | MH-8663 | MH-8659 | 468.95 | 467.80 | 467.51 | 150.0 | 14 | 1.00 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8666 | MH-8659 | MH-8660 | 468.66 | 467.51 | 467.16 | 150.0 | 22 | 1.00 | 61.728 | 0.010 | 0.57 | 0.05 |
| CO-8667 | MH-8660 | MH-8657 | 468.31 | 467.16 | 466.90 | 150.0 | 19 | 1.00 | 71.659 | 0.010 | 0.58 | 0.06 |
| CO-8664 | MH-8656 | MH-8657 | 468.36 | 467.21 | 466.90 | 150.0 | 25 | 1.00 | 81.419 | 0.010 | 0.34 | 0.01 |
| CO-8668 | MH-8657 | MH-8661 | 468.05 | 466.90 | 466.58 | 150.0 | 30 | 1.00 | 93.652 | 0.010 | 0.58 | 0.08 |
| CO-8673 | MH-8666 | MH-8665 | 468.69 | 467.54 | 467.28 | 150.0 | 20 | 1.00 | 77.983 | 0.010 | 0.35 | 0.01 |
| CO-8672 | MH-8664 | MH-8665 | 468.89 | 467.74 | 467.28 | 150.0 | 28 | 1.00 | 60.460 | 0.010 | 0.38 | 0.01 |
| CO-8674 | MH-8665 | MH-8667 | 468.43 | 467.28 | 467.00 | 150.0 | 26 | 1.00 | 91.021 | 0.010 | 0.46 | 0.03 |
| CO-8675 | MH-8667 | MH-8661 | 468.15 | 467.00 | 466.58 | 150.0 | 26 | 1.00 | 61.715 | 0.010 | 0.57 | 0.05 |
| CO-8745 | MH-8661 | MH-8725 | 467.73 | 466.58 | 466.55 | 150.0 | 19 | 1.04 | 800.000 | 0.010 | 0.32 | 0.14 |
| CO-8746 | MH-8725 | MH-8723 | 467.78 | 466.55 | 466.53 | 150.0 | 19 | 1.12 | 800.000 | 0.010 | 0.33 | 0.15 |
| CO-8659 | MH-8651 | MH-8652 | 469.68 | 468.35 | 467.98 | 150.0 | 18 | 1.09 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8660 | MH-8652 | MH-8653 | 469.13 | 467.98 | 467.72 | 150.0 | 29 | 1.00 | 111.627 | 0.010 | 0.38 | 0.02 |
| CO-8661 | MH-8653 | MH-8650 | 468.87 | 467.72 | 467.25 | 150.0 | 25 | 1.01 | 52.776 | 0.010 | 0.56 | 0.03 |
| CO-8657 | MH-8648 | MH-8649 | 468.67 | 467.52 | 467.45 | 150.0 | 14 | 1.00 | 212.216 | 0.010 | 0.24 | 0.01 |
| CO-8658 | MH-8649 | MH-8650 | 468.60 | 467.45 | 467.25 | 150.0 | 13 | 1.01 | 61.693 | 0.010 | 0.46 | 0.02 |
| CO-8662 | MH-8650 | MH-8654 | 468.41 | 467.25 | 466.79 | 150.0 | 23 | 1.01 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8663 | MH-8654 | MH-8655 | 467.94 | 466.67 | 466.33 | 150.0 | 17 | 1.06 | 50.000 | 0.010 | 0.73 | 0.08 |
| CO-8652 | MH-8642 | MH-8643 | 469.94 | 468.79 | 468.34 | 150.0 | 25 | 1.00 | 55.570 | 0.010 | 0.39 | 0.01 |
| CO-8653 | MH-8643 | MH-8644 | 469.49 | 468.34 | 467.95 | 150.0 | 23 | 1.00 | 59.263 | 0.010 | 0.47 | 0.02 |
| CO-8654 | MH-8644 | MH-8645 | 469.10 | 467.95 | 467.55 | 150.0 | 20 | 1.00 | 50.609 | 0.010 | 0.56 | 0.03 |
| CO-8655 | MH-8645 | MH-8646 | 468.70 | 467.31 | 466.86 | 150.0 | 23 | 1.12 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8656 | MH-8646 | MH-8647 | 468.01 | 466.64 | 466.19 | 150.0 | 23 | 1.11 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8740 | MH-8647 | MH-8655 | 467.34 | 466.19 | 466.15 | 150.0 | 30 | 1.09 | 800.000 | 0.010 | 0.26 | 0.07 |
| CO-8742 | MH-8655 | MH-8724 | 467.48 | 466.15 | 466.12 | 150.0 | 27 | 1.28 | 800.000 | 0.010 | 0.33 | 0.16 |
| CO-8743 | MH-8724 | MH-8723 | 467.65 | 466.12 | 466.08 | 150.0 | 29 | 1.49 | 800.000 | 0.010 | 0.34 | 0.17 |
| CO-8747 | MH-8723 | MH-8726 | 467.83 | 466.08 | 466.04 | 150.0 | 32 | 1.66 | 800.000 | 0.010 | 0.40 | 0.33 |
| CO-8748 | MH-8726 | MH-8727 | 467.92 | 466.04 | 466.02 | 150.0 | 22 | 1.77 | 800.000 | 0.010 | 0.41 | 0.34 |
| CO-8749 | MH-8727 | MH-8728 | 467.97 | 466.02 | 465.98 | 150.0 | 30 | 1.86 | 800.000 | 0.010 | 0.41 | 0.35 |
| CO-8750 | MH-8728 | MH-8729 | 468.05 | 465.98 | 465.95 | 150.0 | 24 | 1.96 | 800.000 | 0.010 | 0.24 | 0.36 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8751 | MH-8729 | MH-8695 | 468.10 | 465.95 | 465.91 | 150.0 | 16 | 2.04 | 367.246 | 0.010 | 0.25 | 0.38 |
| CO-8649 | MH-8639 | MH-8638 | 469.41 | 468.26 | 468.00 | 150.0 | 22 | 1.00 | 82.313 | 0.010 | 0.34 | 0.01 |
| CO-8638 | MH-8627 | MH-8628 | 471.72 | 470.44 | 470.07 | 150.0 | 18 | 1.07 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8639 | MH-8628 | MH-8629 | 471.22 | 470.07 | 469.66 | 150.0 | 21 | 1.03 | 50.722 | 0.010 | 0.49 | 0.02 |
| CO-8640 | MH-8629 | MH-8624 | 470.88 | 469.66 | 469.32 | 150.0 | 17 | 1.03 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8635 | MH-8623 | MH-8624 | 470.69 | 469.54 | 469.32 | 150.0 | 23 | 1.00 | 101.957 | 0.010 | 0.31 | 0.01 |
| CO-8647 | MH-8624 | MH-8637 | 470.47 | 469.07 | 468.58 | 150.0 | 25 | 1.12 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8648 | MH-8637 | MH-8638 | 469.73 | 468.42 | 468.00 | 150.0 | 21 | 1.08 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8644 | MH-8634 | MH-8633 | 470.39 | 469.24 | 468.78 | 150.0 | 27 | 1.04 | 57.925 | 0.010 | 0.38 | 0.01 |
| CO-8641 | MH-8630 | MH-8631 | 471.24 | 470.09 | 469.72 | 150.0 | 23 | 1.00 | 60.606 | 0.010 | 0.38 | 0.01 |
| CO-8642 | MH-8631 | MH-8632 | 470.87 | 469.72 | 469.39 | 150.0 | 19 | 1.00 | 57.390 | 0.010 | 0.47 | 0.02 |
| CO-8643 | MH-8632 | MH-8633 | 470.54 | 469.27 | 468.86 | 150.0 | 20 | 1.06 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8645 | MH-8633 | MH-8635 | 470.01 | 468.78 | 468.36 | 150.0 | 21 | 1.04 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8646 | MH-8635 | MH-8636 | 469.51 | 468.10 | 467.63 | 150.0 | 24 | 1.13 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8650 | MH-8638 | MH-8636 | 469.15 | 467.58 | 467.63 | 150.0 | 28 | 1.21 | 585.781 | 0.010 | 0.31 | 0.08 |
| CO-8651 | MH-8638 | MH-8641 | 469.15 | 467.58 | 466.87 | 150.0 | 35 | 1.21 | 50.000 | 0.010 | 0.91 | 0.17 |
| CO-8632 | MH-8620 | MH-8619 | 469.66 | 468.51 | 468.02 | 150.0 | 25 | 1.16 | 51.954 | 0.010 | 0.40 | 0.01 |
| CO-8636 | MH-8625 | MH-8626 | 471.70 | 470.55 | 470.42 | 150.0 | 14 | 1.00 | 107.319 | 0.010 | 0.31 | 0.01 |
| CO-8637 | MH-8626 | MH-8617 | 471.57 | 470.19 | 469.56 | 150.0 | 32 | 1.11 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8629 | MH-8616 | MH-8617 | 471.21 | 470.06 | 469.56 | 150.0 | 25 | 1.00 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8630 | MH-8617 | MH-8618 | 470.71 | 469.44 | 468.94 | 150.0 | 25 | 1.06 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8631 | MH-8618 | MH-8619 | 470.09 | 468.72 | 468.35 | 150.0 | 19 | 1.11 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8633 | MH-8619 | MH-8621 | 469.50 | 468.02 | 467.53 | 150.0 | 25 | 1.16 | 50.000 | 0.010 | 0.73 | 0.08 |
| CO-8634 | MH-8621 | MH-8622 | 468.68 | 467.28 | 466.83 | 150.0 | 23 | 1.12 | 50.000 | 0.010 | 0.76 | 0.09 |
| CO-8626 | MH-8613 | MH-8612 | 469.84 | 468.69 | 468.28 | 150.0 | 23 | 1.13 | 55.966 | 0.010 | 0.39 | 0.01 |
| CO-8623 | MH-8609 | MH-8610 | 471.45 | 470.30 | 470.00 | 150.0 | 24 | 1.08 | 81.310 | 0.010 | 0.34 | 0.01 |
| CO-8624 | MH-8610 | MH-8611 | 471.31 | 470.00 | 469.53 | 150.0 | 23 | 1.08 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8625 | MH-8611 | MH-8612 | 470.68 | 468.95 | 468.55 | 150.0 | 20 | 1.29 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8627 | MH-8612 | MH-8614 | 469.70 | 468.28 | 467.70 | 150.0 | 29 | 1.13 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8628 | MH-8614 | MH-8615 | 468.85 | 467.70 | 467.22 | 150.0 | 35 | 1.00 | 72.917 | 0.010 | 0.61 | 0.07 |
| CO-8620 | MH-8606 | MH-8604 | 470.24 | 469.09 | 468.72 | 150.0 | 25 | 1.00 | 68.460 | 0.010 | 0.36 | 0.01 |
| CO-8607 | MH-8594 | MH-8595 | 473.06 | 471.91 | 471.23 | 150.0 | 34 | 1.00 | 50.000 | 0.010 | 0.40 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8608 | MH-8595 | MH-8596 | 472.38 | 471.22 | 470.50 | 150.0 | 36 | 1.01 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8615 | MH-8596 | MH-8602 | 471.65 | 470.50 | 469.91 | 150.0 | 30 | 1.20 | 51.407 | 0.010 | 0.56 | 0.03 |
| CO-8616 | MH-8602 | MH-8603 | 471.46 | 469.91 | 469.50 | 150.0 | 20 | 1.20 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8617 | MH-8603 | MH-8604 | 470.65 | 469.18 | 468.72 | 150.0 | 23 | 1.16 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8621 | MH-8604 | MH-8607 | 469.87 | 468.44 | 467.87 | 150.0 | 28 | 1.14 | 50.000 | 0.010 | 0.73 | 0.08 |
| CO-8622 | MH-8607 | MH-8608 | 469.02 | 467.87 | 467.41 | 150.0 | 32 | 1.00 | 69.811 | 0.010 | 0.68 | 0.09 |
| CO-8813 | MH-8781 | MH-8597 | 471.49 | 470.22 | 469.92 | 150.0 | 15 | 1.06 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8611 | MH-8597 | MH-8598 | 471.07 | 469.58 | 469.14 | 150.0 | 22 | 1.17 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8619 | MH-8605 | MH-8591 | 471.49 | 470.34 | 469.98 | 150.0 | 26 | 1.00 | 72.884 | 0.010 | 0.35 | 0.01 |
| CO-8605 | MH-8591 | MH-8592 | 471.13 | 469.98 | 469.65 | 150.0 | 23 | 1.00 | 70.044 | 0.010 | 0.44 | 0.02 |
| CO-8606 | MH-8592 | MH-8598 | 470.80 | 469.51 | 469.14 | 150.0 | 19 | 1.07 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8612 | MH-8598 | MH-8599 | 470.29 | 468.73 | 467.96 | 150.0 | 39 | 1.20 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8614 | MH-8599 | MH-8601 | 469.11 | 467.96 | 467.90 | 150.0 | 25 | 1.00 | 428.856 | 0.010 | 0.34 | 0.08 |
| CO-8594 | MH-8579 | MH-8580 | 473.60 | 471.98 | 471.37 | 150.0 | 30 | 1.23 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8595 | MH-8580 | MH-8581 | 472.52 | 471.02 | 470.38 | 150.0 | 32 | 1.18 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8596 | MH-8581 | MH-8582 | 471.53 | 469.78 | 469.17 | 150.0 | 30 | 1.30 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8597 | MH-8582 | MH-8583 | 470.32 | 469.03 | 468.36 | 150.0 | 34 | 1.07 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8728 | MH-8583 | MH-8590 | 469.51 | 468.36 | 468.34 | 150.0 | 19 | 1.06 | 800.000 | 0.010 | 0.25 | 0.06 |
| CO-8598 | MH-8584 | MH-8585 | 473.50 | 472.35 | 472.02 | 150.0 | 23 | 1.00 | 70.063 | 0.010 | 0.36 | 0.01 |
| CO-8599 | MH-8585 | MH-8586 | 473.17 | 471.80 | 471.26 | 150.0 | 27 | 1.11 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8600 | MH-8586 | MH-8587 | 472.41 | 470.76 | 470.41 | 150.0 | 17 | 1.25 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8601 | MH-8587 | MH-8588 | 471.56 | 470.39 | 469.85 | 150.0 | 27 | 1.01 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8602 | MH-8588 | MH-8589 | 471.00 | 469.48 | 468.95 | 150.0 | 27 | 1.19 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8603 | MH-8589 | MH-8590 | 470.10 | 468.87 | 468.45 | 150.0 | 21 | 1.04 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8729 | MH-8590 | MH-8718 | 469.60 | 468.34 | 468.26 | 150.0 | 27 | 1.06 | 340.495 | 0.010 | 0.43 | 0.14 |
| CO-8730 | MH-8718 | MH-8719 | 469.41 | 468.26 | 468.11 | 150.0 | 21 | 1.00 | 143.435 | 0.010 | 0.60 | 0.15 |
| CO-8731 | MH-8719 | MH-8601 | 469.26 | 468.11 | 467.90 | 150.0 | 24 | 1.00 | 114.571 | 0.010 | 0.67 | 0.16 |
| CO-8732 | MH-8601 | MH-8608 | 469.05 | 467.90 | 467.41 | 150.0 | 30 | 1.00 | 61.217 | 0.010 | 0.95 | 0.25 |
| CO-8733 | MH-8608 | MH-8615 | 468.56 | 467.41 | 467.22 | 150.0 | 27 | 1.00 | 140.386 | 0.010 | 0.78 | 0.35 |
| CO-8734 | MH-8615 | MH-8622 | 468.37 | 467.22 | 466.83 | 150.0 | 33 | 1.00 | 83.426 | 0.010 | 1.00 | 0.43 |
| CO-8735 | MH-8622 | MH-8641 | 467.98 | 466.83 | 466.79 | 150.0 | 33 | 1.04 | 800.000 | 0.010 | 0.45 | 0.54 |
| CO-8736 | MH-8641 | MH-8720 | 468.02 | 466.79 | 466.62 | 150.0 | 28 | 1.30 | 170.000 | 0.010 | 0.88 | 0.72 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8737 | MH-8720 | MH-8721 | 468.28 | 466.62 | 466.45 | 150.0 | 29 | 1.73 | 170.000 | 0.010 | 0.88 | 0.73 |
| CO-8738 | MH-8721 | MH-8722 | 468.56 | 466.45 | 466.32 | 150.0 | 22 | 2.12 | 170.000 | 0.010 | 0.89 | 0.74 |
| CO-8739 | MH-8722 | MH-8688 | 468.76 | 466.32 | 466.17 | 150.0 | 27 | 2.45 | 170.000 | 0.010 | 0.89 | 0.75 |
| CO-8586 | MH-8571 | MH-8572 | 473.01 | 471.86 | 471.76 | 150.0 | 19 | 1.00 | 188.849 | 0.010 | 0.25 | 0.01 |
| CO-8587 | MH-8572 | MH-8570 | 472.91 | 471.76 | 471.73 | 150.0 | 20 | 1.12 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8580 | MH-8565 | MH-8564 | 476.33 | 475.18 | 475.12 | 150.0 | 22 | 1.10 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8815 | MH-8782 | MH-8551 | 477.87 | 476.72 | 476.62 | 150.0 | 19 | 1.02 | 199.163 | 0.010 | 0.20 | 0.01 |
| CO-8565 | MH-8551 | MH-8549 | 477.81 | 476.62 | 476.56 | 150.0 | 22 | 1.04 | 387.490 | 0.010 | 0.20 | 0.01 |
| CO-8566 | MH-8549 | MH-8552 | 477.76 | 476.56 | 476.44 | 150.0 | 30 | 1.02 | 236.790 | 0.010 | 0.29 | 0.02 |
| CO-8567 | MH-8552 | MH-8553 | 477.59 | 476.44 | 476.04 | 150.0 | 31 | 1.00 | 78.703 | 0.010 | 0.49 | 0.03 |
| CO-8568 | MH-8553 | MH-8554 | 477.19 | 476.04 | 475.74 | 150.0 | 33 | 1.00 | 107.763 | 0.010 | 0.47 | 0.05 |
| CO-8578 | MH-8554 | MH-8563 | 476.89 | 475.74 | 475.44 | 150.0 | 34 | 1.00 | 117.711 | 0.010 | 0.49 | 0.06 |
| CO-8810 | MH-8563 | MH-8564 | 476.59 | 475.44 | 475.12 | 150.0 | 27 | 1.10 | 86.007 | 0.010 | 0.58 | 0.07 |
| CO-8581 | MH-8564 | MH-8566 | 476.48 | 475.12 | 474.91 | 150.0 | 31 | 1.12 | 148.228 | 0.010 | 0.52 | 0.09 |
| CO-8582 | MH-8566 | MH-8567 | 476.09 | 474.91 | 474.41 | 150.0 | 25 | 1.01 | 50.000 | 0.010 | 0.78 | 0.10 |
| CO-8583 | MH-8567 | MH-8568 | 475.56 | 474.30 | 473.72 | 150.0 | 29 | 1.06 | 50.000 | 0.010 | 0.81 | 0.11 |
| CO-8584 | MH-8568 | MH-8569 | 474.87 | 473.40 | 472.81 | 150.0 | 30 | 1.16 | 50.000 | 0.010 | 0.83 | 0.13 |
| CO-8585 | MH-8569 | MH-8570 | 473.96 | 472.37 | 471.97 | 150.0 | 20 | 1.22 | 50.000 | 0.010 | 0.86 | 0.14 |
| CO-8588 | MH-8570 | MH-8573 | 473.12 | 471.35 | 470.82 | 150.0 | 27 | 1.31 | 50.000 | 0.010 | 0.91 | 0.17 |
| CO-8589 | MH-8573 | MH-8574 | 471.97 | 470.82 | 470.21 | 150.0 | 33 | 1.00 | 54.728 | 0.010 | 0.91 | 0.18 |
| CO-8590 | MH-8574 | MH-8575 | 471.36 | 470.21 | 469.96 | 150.0 | 21 | 1.00 | 85.333 | 0.010 | 0.79 | 0.19 |
| CO-8819 | MH-8784 | MH-8562 | 476.81 | 475.40 | 475.66 | 150.0 | 19 | 1.02 | 72.714 | 0.010 | 0.28 | 0.01 |
| CO-8576 | MH-8562 | MH-8561 | 476.59 | 474.96 | 475.40 | 150.0 | 22 | 1.02 | 50.000 | 0.010 | 0.45 | 0.02 |
| CO-8574 | MH-8561 | MH-8560 | 476.11 | 474.22 | 474.80 | 150.0 | 29 | 1.08 | 50.000 | 0.010 | 0.54 | 0.03 |
| CO-8573 | MH-8560 | MH-8559 | 475.37 | 473.32 | 473.83 | 150.0 | 26 | 1.19 | 50.000 | 0.010 | 0.59 | 0.04 |
| CO-8572 | MH-8559 | MH-8558 | 474.47 | 472.30 | 472.80 | 150.0 | 25 | 1.26 | 50.000 | 0.010 | 0.64 | 0.05 |
| CO-8571 | MH-8558 | MH-8557 | 473.45 | 471.05 | 471.70 | 150.0 | 32 | 1.30 | 50.000 | 0.010 | 0.68 | 0.06 |
| CO-8570 | MH-8557 | MH-8556 | 472.20 | 470.41 | 470.82 | 150.0 | 21 | 1.11 | 50.000 | 0.010 | 0.71 | 0.07 |
| CO-8569 | MH-8556 | MH-8555 | 471.56 | 469.86 | 470.41 | 150.0 | 28 | 1.00 | 51.165 | 0.010 | 0.74 | 0.09 |
| CO-8817 | MH-8555 | MH-8783 | 471.01 | 469.86 | 469.82 | 150.0 | 33 | 1.05 | 800.000 | 0.010 | 0.29 | 0.10 |
| CO-8818 | MH-8783 | MH-8575 | 471.06 | 469.82 | 469.78 | 150.0 | 34 | 1.14 | 800.000 | 0.010 | 0.29 | 0.10 |
| CO-8591 | MH-8575 | MH-8576 | 471.11 | 469.78 | 469.73 | 150.0 | 37 | 1.23 | 800.000 | 0.010 | 0.40 | 0.30 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8592 | MH-8576 | MH-8577 | 471.15 | 469.73 | 469.69 | 150.0 | 30 | 1.38 | 800.000 | 0.010 | 0.40 | 0.31 |
| CO-8593 | MH-8577 | MH-8578 | 471.33 | 469.69 | 469.67 | 150.0 | 19 | 1.60 | 800.000 | 0.010 | 0.21 | 0.32 |
| CO-8807 | MH-8778 | MH-8497 | 473.99 | 472.84 | 472.74 | 150.0 | 22 | 1.00 | 237.618 | 0.010 | 0.23 | 0.01 |
| CO-8512 | MH-8501 | MH-8502 | 476.27 | 475.12 | 474.67 | 150.0 | 24 | 1.00 | 55.112 | 0.010 | 0.39 | 0.01 |
| CO-8513 | MH-8502 | MH-8503 | 475.82 | 474.20 | 473.56 | 150.0 | 32 | 1.23 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8514 | MH-8503 | MH-8500 | 474.71 | 473.56 | 473.54 | 150.0 | 13 | 1.14 | 800.000 | 0.010 | 0.21 | 0.03 |
| CO-8510 | MH-8498 | MH-8499 | 476.32 | 475.02 | 474.50 | 150.0 | 26 | 1.07 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8511 | MH-8499 | MH-8500 | 475.65 | 474.39 | 473.81 | 150.0 | 29 | 1.06 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8515 | MH-8500 | MH-8497 | 474.96 | 473.23 | 472.74 | 150.0 | 24 | 1.29 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8760 | MH-8497 | MH-8737 | 473.89 | 472.74 | 472.57 | 150.0 | 35 | 1.00 | 206.617 | 0.010 | 0.46 | 0.09 |
| CO-8761 | MH-8737 | MH-8738 | 473.72 | 472.57 | 472.54 | 150.0 | 26 | 1.12 | 800.000 | 0.010 | 0.30 | 0.10 |
| CO-8762 | MH-8738 | MH-8739 | 473.93 | 472.54 | 472.50 | 150.0 | 30 | 1.70 | 800.000 | 0.010 | 0.30 | 0.11 |
| CO-8763 | MH-8739 | MH-8740 | 474.82 | 472.50 | 472.48 | 150.0 | 23 | 2.07 | 800.000 | 0.010 | 0.31 | 0.13 |
| CO-8764 | MH-8740 | MH-8741 | 474.61 | 472.48 | 472.44 | 150.0 | 28 | 1.95 | 800.000 | 0.010 | 0.32 | 0.14 |
| CO-8554 | MH-8543 | MH-8544 | 476.43 | 475.28 | 474.89 | 150.0 | 24 | 1.00 | 60.722 | 0.010 | 0.38 | 0.01 |
| CO-8804 | MH-8546 | MH-8777 | 476.14 | 474.65 | 474.69 | 150.0 | 18 | 1.17 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8556 | MH-8545 | MH-8546 | 476.23 | 474.60 | 474.65 | 150.0 | 30 | 1.41 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8555 | MH-8544 | MH-8545 | 476.04 | 474.56 | 474.60 | 150.0 | 31 | 1.40 | 800.000 | 0.010 | 0.21 | 0.03 |
| CO-8765 | MH-8544 | MH-8736 | 476.04 | 474.56 | 474.22 | 150.0 | 32 | 1.16 | 92.913 | 0.010 | 0.53 | 0.06 |
| CO-8550 | MH-8539 | MH-8540 | 477.00 | 475.85 | 475.38 | 150.0 | 23 | 1.00 | 50.068 | 0.010 | 0.40 | 0.01 |
| CO-8551 | MH-8540 | MH-8541 | 476.53 | 475.38 | 475.34 | 150.0 | 31 | 1.15 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8552 | MH-8541 | MH-8542 | 476.79 | 475.34 | 475.30 | 150.0 | 30 | 1.19 | 800.000 | 0.010 | 0.21 | 0.03 |
| CO-8553 | MH-8542 | MH-8532 | 476.52 | 475.30 | 475.08 | 150.0 | 24 | 1.04 | 108.252 | 0.010 | 0.47 | 0.05 |
| CO-8533 | MH-8521 | MH-8522 | 478.40 | 477.25 | 477.20 | 150.0 | 20 | 1.05 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8534 | MH-8522 | MH-8523 | 478.45 | 477.20 | 477.17 | 150.0 | 23 | 1.11 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8535 | MH-8523 | MH-8520 | 478.44 | 477.17 | 476.76 | 150.0 | 22 | 1.07 | 52.747 | 0.010 | 0.56 | 0.03 |
| CO-8532 | MH-8519 | MH-8520 | 478.09 | 476.94 | 476.76 | 150.0 | 22 | 1.01 | 119.364 | 0.010 | 0.30 | 0.01 |
| CO-8539 | MH-8520 | MH-8535 | 477.92 | 476.76 | 476.16 | 150.0 | 30 | 1.01 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8500 | MH-8492 | MH-8493 | 477.32 | 476.17 | 476.11 | 150.0 | 26 | 1.38 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8503 | MH-8493 | MH-8494 | 478.02 | 476.11 | 476.07 | 150.0 | 27 | 1.96 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8498 | MH-8490 | MH-8491 | 478.08 | 476.93 | 476.86 | 150.0 | 25 | 1.20 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8499 | MH-8491 | MH-8149 | 478.41 | 476.86 | 476.82 | 150.0 | 26 | 1.62 | 690.461 | 0.010 | 0.20 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8148 | MH-8150 | MH-8151 | 478.14 | 476.99 | 476.91 | 150.0 | 29 | 1.38 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8149 | MH-8151 | MH-8149 | 478.82 | 476.91 | 476.82 | 150.0 | 44 | 1.80 | 511.972 | 0.010 | 0.22 | 0.02 |
| CO-8527 | MH-8515 | MH-8516 | 479.23 | 478.08 | 478.01 | 150.0 | 28 | 1.03 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8528 | MH-8516 | MH-8148 | 479.21 | 478.01 | 477.54 | 150.0 | 27 | 1.35 | 57.698 | 0.010 | 0.47 | 0.02 |
| CO-8496 | MH-8488 | MH-8489 | 478.79 | 477.64 | 477.58 | 150.0 | 23 | 1.06 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8497 | MH-8489 | MH-8148 | 478.86 | 477.58 | 477.54 | 150.0 | 24 | 1.39 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8530 | MH-8517 | MH-8518 | 480.06 | 478.91 | 478.70 | 150.0 | 22 | 1.00 | 104.537 | 0.010 | 0.31 | 0.01 |
| CO-8531 | MH-8518 | MH-8145 | 479.85 | 478.70 | 478.33 | 150.0 | 18 | 1.21 | 50.519 | 0.010 | 0.49 | 0.02 |
| CO-8494 | MH-8486 | MH-8487 | 479.59 | 478.44 | 478.38 | 150.0 | 22 | 1.04 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8495 | MH-8487 | MH-8145 | 479.61 | 478.38 | 478.33 | 150.0 | 30 | 1.25 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8135 | MH-8136 | MH-8137 | 480.67 | 479.52 | 479.35 | 150.0 | 19 | 1.00 | 112.955 | 0.010 | 0.30 | 0.01 |
| CO-8136 | MH-8137 | MH-8138 | 480.50 | 479.35 | 479.31 | 150.0 | 29 | 1.09 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8137 | MH-8138 | MH-8139 | 480.64 | 479.31 | 479.27 | 150.0 | 34 | 1.33 | 800.000 | 0.010 | 0.21 | 0.03 |
| CO-8138 | MH-8139 | MH-8140 | 480.89 | 479.27 | 479.24 | 150.0 | 21 | 1.44 | 800.000 | 0.010 | 0.23 | 0.05 |
| CO-8139 | MH-8140 | MH-8141 | 480.81 | 479.24 | 479.22 | 150.0 | 19 | 1.44 | 800.000 | 0.010 | 0.25 | 0.06 |
| CO-8140 | MH-8141 | MH-8142 | 480.83 | 479.22 | 479.18 | 150.0 | 26 | 1.34 | 800.000 | 0.010 | 0.26 | 0.07 |
| CO-8141 | MH-8142 | MH-8143 | 480.55 | 479.18 | 479.17 | 150.0 | 12 | 1.36 | 800.000 | 0.010 | 0.27 | 0.08 |
| CO-8142 | MH-8143 | MH-8144 | 480.82 | 479.17 | 479.08 | 150.0 | 21 | 1.27 | 254.351 | 0.010 | 0.43 | 0.09 |
| CO-8143 | MH-8144 | MH-8145 | 480.27 | 479.08 | 478.76 | 150.0 | 16 | 1.02 | 50.000 | 0.010 | 0.78 | 0.10 |
| CO-8146 | MH-8145 | MH-8148 | 479.91 | 478.33 | 478.19 | 150.0 | 30 | 1.21 | 212.274 | 0.010 | 0.54 | 0.16 |
| CO-8147 | MH-8148 | MH-8149 | 479.34 | 477.54 | 477.51 | 150.0 | 28 | 1.40 | 800.000 | 0.010 | 0.36 | 0.22 |
| CO-8150 | MH-8149 | MH-8152 | 478.81 | 476.82 | 476.80 | 150.0 | 18 | 1.69 | 800.000 | 0.010 | 0.39 | 0.27 |
| CO-8501 | MH-8152 | MH-8494 | 478.50 | 476.80 | 476.79 | 150.0 | 11 | 1.49 | 800.000 | 0.010 | 0.39 | 0.28 |
| CO-8502 | MH-8494 | MH-8153 | 478.38 | 476.07 | 476.04 | 150.0 | 20 | 1.98 | 800.000 | 0.010 | 0.40 | 0.32 |
| CO-8188 | MH-8153 | MH-8187 | 477.99 | 476.04 | 476.03 | 150.0 | 10 | 1.59 | 800.000 | 0.010 | 0.40 | 0.33 |
| CO-8492 | MH-8484 | MH-8485 | 476.89 | 475.74 | 475.61 | 150.0 | 24 | 1.00 | 185.662 | 0.010 | 0.25 | 0.01 |
| CO-8493 | MH-8485 | MH-8477 | 476.76 | 475.61 | 475.57 | 150.0 | 29 | 1.23 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8488 | MH-8480 | MH-8481 | 478.34 | 477.19 | 477.14 | 150.0 | 20 | 1.17 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8489 | MH-8481 | MH-8475 | 478.62 | 477.14 | 477.10 | 150.0 | 30 | 1.45 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8486 | MH-8478 | MH-8479 | 479.12 | 477.97 | 477.92 | 150.0 | 22 | 1.19 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8487 | MH-8479 | MH-8474 | 479.44 | 477.92 | 477.87 | 150.0 | 30 | 1.47 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8480 | MH-8472 | MH-8473 | 480.60 | 479.32 | 478.90 | 150.0 | 21 | 1.07 | 50.000 | 0.010 | 0.40 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8481 | MH-8473 | MH-8474 | 480.05 | 478.86 | 478.43 | 150.0 | 21 | 1.02 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8482 | MH-8474 | MH-8475 | 479.58 | 477.87 | 477.67 | 150.0 | 29 | 1.28 | 145.831 | 0.010 | 0.45 | 0.06 |
| CO-8483 | MH-8475 | MH-8476 | 478.82 | 477.10 | 476.84 | 150.0 | 28 | 1.29 | 109.141 | 0.010 | 0.58 | 0.09 |
| CO-8490 | MH-8482 | MH-8483 | 477.44 | 476.29 | 476.23 | 150.0 | 23 | 1.12 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8491 | MH-8483 | MH-8476 | 477.62 | 476.23 | 476.19 | 150.0 | 28 | 1.45 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8484 | MH-8476 | MH-8477 | 477.99 | 476.19 | 476.03 | 150.0 | 29 | 1.33 | 188.657 | 0.010 | 0.52 | 0.13 |
| CO-8485 | MH-8477 | MH-8165 | 477.18 | 475.57 | 475.07 | 150.0 | 32 | 1.38 | 64.754 | 0.010 | 0.82 | 0.16 |
| CO-8472 | MH-8465 | MH-8466 | 480.47 | 479.17 | 478.88 | 150.0 | 15 | 1.07 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8474 | MH-8466 | MH-8468 | 480.03 | 478.81 | 478.40 | 150.0 | 20 | 1.03 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8475 | MH-8468 | MH-8467 | 479.55 | 478.35 | 477.89 | 150.0 | 23 | 1.03 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8476 | MH-8467 | MH-8469 | 479.04 | 477.88 | 477.30 | 150.0 | 29 | 1.00 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8477 | MH-8469 | MH-8470 | 478.45 | 476.84 | 476.26 | 150.0 | 29 | 1.23 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8478 | MH-8470 | MH-8471 | 477.41 | 476.26 | 475.77 | 150.0 | 29 | 1.00 | 58.216 | 0.010 | 0.66 | 0.07 |
| CO-8479 | MH-8471 | MH-8163 | 476.92 | 475.77 | 475.34 | 150.0 | 31 | 1.00 | 73.545 | 0.010 | 0.64 | 0.08 |
| CO-8159 | MH-8161 | MH-8162 | 477.61 | 476.43 | 476.11 | 150.0 | 16 | 1.02 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8160 | MH-8162 | MH-8163 | 477.26 | 475.90 | 475.34 | 150.0 | 28 | 1.10 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8161 | MH-8163 | MH-8164 | 476.49 | 475.34 | 475.10 | 150.0 | 31 | 1.00 | 129.628 | 0.010 | 0.58 | 0.11 |
| CO-8162 | MH-8164 | MH-8165 | 476.25 | 475.10 | 475.07 | 150.0 | 26 | 1.14 | 800.000 | 0.010 | 0.31 | 0.13 |
| CO-8163 | MH-8165 | MH-8166 | 476.51 | 475.07 | 475.04 | 150.0 | 20 | 1.52 | 800.000 | 0.010 | 0.39 | 0.30 |
| CO-8183 | MH-8166 | MH-8186 | 476.95 | 475.04 | 475.02 | 150.0 | 22 | 1.99 | 800.000 | 0.010 | 0.40 | 0.31 |
| CO-8184 | MH-8186 | MH-8187 | 477.39 | 475.02 | 475.00 | 150.0 | 15 | 2.32 | 800.000 | 0.010 | 0.40 | 0.32 |
| CO-8536 | MH-8187 | MH-8525 | 477.57 | 475.00 | 474.84 | 150.0 | 27 | 2.68 | 170.000 | 0.010 | 0.86 | 0.66 |
| CO-8537 | MH-8525 | MH-8526 | 477.93 | 474.84 | 474.69 | 150.0 | 25 | 2.96 | 170.000 | 0.010 | 0.86 | 0.67 |
| CO-8538 | MH-8526 | MH-8535 | 477.81 | 474.69 | 474.57 | 150.0 | 21 | 2.78 | 170.000 | 0.010 | 0.87 | 0.68 |
| CO-8546 | MH-8535 | MH-8536 | 477.31 | 474.57 | 474.40 | 150.0 | 28 | 2.58 | 170.000 | 0.010 | 0.89 | 0.75 |
| CO-8547 | MH-8536 | MH-8537 | 477.11 | 474.40 | 474.27 | 150.0 | 23 | 2.72 | 170.000 | 0.010 | 0.89 | 0.76 |
| CO-8548 | MH-8537 | MH-8538 | 477.29 | 474.27 | 474.08 | 150.0 | 32 | 2.95 | 170.000 | 0.010 | 0.89 | 0.78 |
| CO-8549 | MH-8538 | MH-8531 | 477.25 | 474.08 | 473.91 | 150.0 | 29 | 2.94 | 170.000 | 0.010 | 0.90 | 0.79 |
| CO-8542 | MH-8530 | MH-8531 | 477.36 | 476.21 | 475.77 | 150.0 | 37 | 1.00 | 85.052 | 0.010 | 0.34 | 0.01 |
| CO-8543 | MH-8531 | MH-8532 | 476.92 | 473.91 | 473.73 | 150.0 | 30 | 2.61 | 170.000 | 0.010 | 0.90 | 0.81 |
| CO-8544 | MH-8532 | MH-8533 | 476.23 | 473.73 | 473.69 | 200.0 | 30 | 2.08 | 800.000 | 0.010 | 0.51 | 0.87 |
| CO-8545 | MH-8533 | MH-8534 | 475.75 | 473.69 | 473.66 | 200.0 | 28 | 1.57 | 800.000 | 0.010 | 0.51 | 0.88 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|-------------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-8236 | MH-8238 | MH-8239 | 476.22 | 474.61 | 474.02 | 150.0 | 30 | 1.23 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8237 | MH-8239 | MH-8240 | 475.17 | 473.59 | 472.86 | 150.0 | 36 | 1.22 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8204 | MH-8206 | MH-8207 | 476.26 | 474.54 | 473.92 | 150.0 | 31 | 1.28 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8205 | MH-8207 | MH-8208 | 475.07 | 473.64 | 472.98 | 150.0 | 33 | 1.14 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8216 | MH-8220 | MH-8221 | 475.63 | 474.48 | 474.11 | 150.0 | 22 | 1.00 | 58.849 | 0.010 | 0.38 | 0.01 |
| CO-8217 | MH-8221 | MH-8222 | 475.26 | 473.81 | 473.20 | 150.0 | 30 | 1.15 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8212 | MH-8216 | MH-8217 | 476.46 | 475.31 | 474.78 | 150.0 | 29 | 1.00 | 54.055 | 0.010 | 0.39 | 0.01 |
| CO-8213 | MH-8217 | MH-8218 | 475.93 | 474.65 | 473.92 | 150.0 | 37 | 1.06 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8518 | MH-8506 | MH-8507 | 476.75 | 475.39 | 475.01 | 150.0 | 19 | 1.10 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8519 | MH-8507 | MH-8508 | 476.16 | 474.56 | 473.99 | 150.0 | 28 | 1.22 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8520 | MH-8508 | MH-8218 | 475.14 | 473.99 | 473.79 | 150.0 | 25 | 1.06 | 125.772 | 0.010 | 0.41 | 0.03 |
| CO-8207 | MH-8210 | MH-8211 | 477.14 | 475.99 | 475.43 | 150.0 | 29 | 1.00 | 52.303 | 0.010 | 0.40 | 0.01 |
| CO-8208 | MH-8211 | MH-8212 | 476.58 | 475.29 | 474.48 | 150.0 | 41 | 1.07 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8516 | MH-8504 | MH-8505 | 476.01 | 474.86 | 474.46 | 150.0 | 23 | 1.00 | 58.501 | 0.010 | 0.38 | 0.01 |
| CO-8517 | MH-8505 | MH-8212 | 475.61 | 474.46 | 474.43 | 150.0 | 20 | 1.03 | 690.461 | 0.010 | 0.20 | 0.02 |
| CO-8504 | MH-8495 | MH-8212 | 476.18 | 474.89 | 474.48 | 150.0 | 20 | 1.07 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8505 | MH-8212 | MH-8218 | 475.63 | 474.43 | 473.92 | 150.0 | 29 | 1.03 | 56.173 | 0.010 | 0.67 | 0.07 |
| CO-8506 | MH-8218 | MH-8222 | 475.07 | 473.79 | 473.20 | 150.0 | 30 | 1.06 | 50.000 | 0.010 | 0.86 | 0.14 |
| CO-8521 | MH-8509 | MH-8510 | 476.14 | 474.78 | 474.25 | 150.0 | 27 | 1.10 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8522 | MH-8510 | MH-8511 | 475.40 | 473.70 | 473.24 | 150.0 | 23 | 1.27 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8523 | MH-8511 | MH-8222 | 474.39 | 473.24 | 473.20 | 150.0 | 23 | 1.00 | 502.692 | 0.010 | 0.25 | 0.03 |
| CO-8507 | MH-8222 | MH-8208 | 474.35 | 473.20 | 472.98 | 150.0 | 30 | 1.00 | 135.232 | 0.010 | 0.68 | 0.21 |
| CO-8524 | MH-8512 | MH-8513 | 475.67 | 474.26 | 473.78 | 150.0 | 24 | 1.13 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8525 | MH-8513 | MH-8514 | 474.93 | 473.73 | 473.31 | 150.0 | 21 | 1.02 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8526 | MH-8514 | MH-8208 | 474.46 | 473.31 | 472.98 | 150.0 | 28 | 1.00 | 82.252 | 0.010 | 0.47 | 0.03 |
| CO-8508 | MH-8208 | MH-8240 | 474.13 | 472.98 | 472.86 | 150.0 | 31 | 1.00 | 270.224 | 0.010 | 0.57 | 0.27 |
| CO-8754 | MH-8240 | MH-8732 | 474.01 | 472.86 | 472.72 | 150.0 | 26 | 1.00 | 184.878 | 0.010 | 0.68 | 0.31 |
| CO-8755 | MH-8732 | MH-8733 | 473.87 | 472.72 | 472.69 | 150.0 | 24 | 1.39 | 800.000 | 0.010 | 0.40 | 0.32 |
| CO-8756 | MH-8733 | MH-8534 | 474.63 | 472.69 | 472.66 | 150.0 | 23 | 2.06 | 800.000 | 0.010 | 0.40 | 0.33 |
| CO-8757 | MH-8534 | MH-8734 | 475.14 | 472.66 | 472.63 | 200.0 | 26 | 2.47 | 800.000 | 0.010 | 0.55 | 1.22 |
| CO-8758 | MH-8734 | MH-8735 | 475.49 | 472.63 | 472.60 | 250.0 | 22 | 2.73 | 800.000 | 0.011 | 0.52 | 1.23 |
| CO-8759 | MH-8735 | MH-8736 | 475.69 | 472.60 | 472.57 | 250.0 | 23 | 2.69 | 800.000 | 0.011 | 0.52 | 1.24 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8766 | MH-8736 | MH-8741 | 475.37 | 472.57 | 472.44 | 250.0 | 23 | 2.18 | 179.137 | 0.011 | 0.93 | 1.31 |
| CO-8767 | MH-8741 | MH-8716 | 474.51 | 472.44 | 472.41 | 250.0 | 23 | 1.87 | 800.000 | 0.011 | 0.54 | 1.46 |
| CO-8808 | MH-8779 | MH-8550 | 477.69 | 476.34 | 476.54 | 150.0 | 15 | 1.00 | 71.951 | 0.010 | 0.36 | 0.01 |
| CO-8561 | MH-8550 | MH-8547 | 477.49 | 475.63 | 476.10 | 150.0 | 23 | 1.12 | 50.000 | 0.010 | 0.50 | 0.02 |
| CO-8559 | MH-8548 | MH-8547 | 476.78 | 475.63 | 475.52 | 150.0 | 40 | 1.05 | 384.874 | 0.010 | 0.20 | 0.01 |
| CO-8558 | MH-8547 | MH-8296 | 476.78 | 475.21 | 475.52 | 150.0 | 19 | 1.05 | 59.919 | 0.010 | 0.58 | 0.05 |
| CO-8294 | MH-8296 | MH-8297 | 476.36 | 475.00 | 474.45 | 150.0 | 28 | 1.10 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8295 | MH-8297 | MH-8298 | 475.60 | 474.13 | 473.53 | 150.0 | 30 | 1.16 | 50.000 | 0.010 | 0.70 | 0.07 |
| CO-8296 | MH-8298 | MH-8299 | 474.68 | 473.53 | 473.50 | 150.0 | 26 | 1.14 | 800.000 | 0.010 | 0.27 | 0.08 |
| CO-8297 | MH-8299 | MH-8278 | 474.93 | 473.50 | 473.24 | 150.0 | 21 | 1.54 | 80.116 | 0.010 | 0.64 | 0.09 |
| CO-8271 | MH-8273 | MH-8274 | 478.33 | 477.18 | 476.74 | 150.0 | 35 | 1.00 | 80.968 | 0.010 | 0.34 | 0.01 |
| CO-8272 | MH-8274 | MH-8275 | 477.89 | 476.74 | 476.16 | 150.0 | 30 | 1.00 | 51.369 | 0.010 | 0.49 | 0.02 |
| CO-8273 | MH-8275 | MH-8276 | 477.31 | 476.14 | 475.44 | 150.0 | 35 | 1.01 | 50.000 | 0.010 | 0.57 | 0.03 |
| CO-8274 | MH-8276 | MH-8277 | 476.59 | 475.31 | 474.77 | 150.0 | 27 | 1.06 | 50.000 | 0.010 | 0.62 | 0.05 |
| CO-8275 | MH-8277 | MH-8278 | 475.92 | 474.59 | 474.03 | 150.0 | 28 | 1.09 | 50.000 | 0.010 | 0.66 | 0.06 |
| CO-8276 | MH-8278 | MH-8279 | 475.18 | 473.24 | 472.59 | 150.0 | 32 | 1.40 | 50.000 | 0.010 | 0.90 | 0.16 |
| CO-8721 | MH-8279 | MH-8712 | 473.74 | 472.28 | 471.76 | 150.0 | 26 | 1.15 | 50.000 | 0.010 | 0.91 | 0.17 |
| CO-8722 | MH-8712 | MH-8713 | 472.91 | 471.76 | 471.72 | 150.0 | 29 | 1.03 | 800.000 | 0.010 | 0.35 | 0.18 |
| CO-8723 | MH-8713 | MH-8714 | 472.93 | 471.72 | 471.69 | 150.0 | 30 | 1.48 | 800.000 | 0.010 | 0.35 | 0.19 |
| CO-8724 | MH-8714 | MH-8715 | 473.73 | 471.69 | 471.64 | 150.0 | 33 | 2.16 | 800.000 | 0.010 | 0.36 | 0.21 |
| CO-8725 | MH-8715 | MH-8716 | 474.22 | 471.64 | 471.60 | 150.0 | 32 | 2.62 | 800.000 | 0.010 | 0.36 | 0.22 |
| CO-8726 | MH-8716 | MH-8717 | 474.57 | 471.60 | 471.56 | 250.0 | 32 | 2.91 | 800.000 | 0.011 | 0.56 | 1.69 |
| CO-8727 | MH-8717 | MH-8669 | 474.92 | 471.56 | 471.52 | 250.0 | 37 | 3.49 | 800.000 | 0.011 | 0.56 | 1.70 |
| CO-8676 | MH-8668 | MH-8669 | 476.44 | 475.09 | 474.49 | 150.0 | 30 | 1.10 | 50.000 | 0.010 | 0.40 | 0.01 |
| CO-8677 | MH-8669 | MH-8670 | 475.64 | 471.52 | 471.48 | 250.0 | 31 | 3.70 | 800.000 | 0.011 | 0.56 | 1.72 |
| CO-8678 | MH-8670 | MH-8671 | 475.26 | 471.48 | 471.44 | 250.0 | 30 | 3.47 | 800.000 | 0.011 | 0.56 | 1.73 |
| CO-8679 | MH-8671 | MH-8672 | 475.10 | 471.44 | 471.41 | 250.0 | 29 | 3.14 | 800.000 | 0.011 | 0.56 | 1.74 |
| CO-8680 | MH-8672 | MH-8673 | 474.54 | 471.41 | 471.37 | 250.0 | 31 | 2.62 | 800.000 | 0.011 | 0.56 | 1.76 |
| CO-8681 | MH-8673 | MH-8674 | 473.97 | 471.37 | 471.33 | 250.0 | 28 | 2.12 | 800.000 | 0.011 | 0.56 | 1.77 |
| CO-8682 | MH-8674 | MH-8675 | 473.46 | 471.33 | 471.29 | 250.0 | 32 | 1.65 | 800.000 | 0.011 | 0.57 | 1.78 |
| CO-8683 | MH-8675 | MH-8676 | 472.97 | 471.29 | 471.26 | 250.0 | 29 | 1.23 | 800.000 | 0.011 | 0.57 | 1.79 |
| CO-8684 | MH-8676 | MH-8677 | 472.55 | 471.26 | 470.82 | 250.0 | 31 | 1.02 | 72.009 | 0.011 | 1.40 | 1.80 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8685 | MH-8677 | MH-8578 | 472.07 | 470.82 | 470.27 | 250.0 | 35 | 1.00 | 64.351 | 0.011 | 1.47 | 1.81 |
| CO-8686 | MH-8578 | MH-8678 | 471.52 | 469.67 | 469.64 | 300.0 | 24 | 1.49 | 800.000 | 0.011 | 0.60 | 2.15 |
| CO-8687 | MH-8678 | MH-8679 | 471.38 | 469.64 | 469.60 | 300.0 | 30 | 1.31 | 800.000 | 0.011 | 0.60 | 2.16 |
| CO-8688 | MH-8679 | MH-8680 | 471.08 | 469.60 | 469.52 | 300.0 | 30 | 1.09 | 380.493 | 0.011 | 0.80 | 2.17 |
| CO-8689 | MH-8680 | MH-8681 | 470.82 | 469.52 | 469.27 | 300.0 | 31 | 1.00 | 119.309 | 0.011 | 1.22 | 2.18 |
| CO-8690 | MH-8681 | MH-8682 | 470.57 | 469.27 | 469.03 | 300.0 | 29 | 1.00 | 118.646 | 0.011 | 1.22 | 2.19 |
| CO-8691 | MH-8682 | MH-8683 | 470.33 | 469.03 | 468.77 | 300.0 | 30 | 1.00 | 119.664 | 0.011 | 1.22 | 2.21 |
| CO-8692 | MH-8683 | MH-8684 | 470.07 | 468.77 | 468.51 | 300.0 | 31 | 1.00 | 118.197 | 0.011 | 1.23 | 2.22 |
| CO-8693 | MH-8684 | MH-8685 | 469.81 | 468.51 | 468.25 | 300.0 | 30 | 1.00 | 118.562 | 0.011 | 1.23 | 2.23 |
| CO-8694 | MH-8685 | MH-8686 | 469.55 | 468.25 | 468.00 | 300.0 | 29 | 1.00 | 115.451 | 0.011 | 1.24 | 2.24 |
| CO-8695 | MH-8686 | MH-8687 | 469.30 | 468.00 | 467.72 | 300.0 | 31 | 1.00 | 112.432 | 0.011 | 1.25 | 2.25 |
| CO-8696 | MH-8687 | MH-8688 | 469.02 | 467.72 | 467.63 | 300.0 | 29 | 1.00 | 298.093 | 0.011 | 0.88 | 2.26 |
| CO-8697 | MH-8688 | MH-8689 | 468.93 | 466.17 | 466.13 | 300.0 | 30 | 2.38 | 800.000 | 0.011 | 0.64 | 3.03 |
| CO-8698 | MH-8689 | MH-8690 | 468.74 | 466.13 | 466.09 | 300.0 | 30 | 2.26 | 800.000 | 0.011 | 0.64 | 3.04 |
| CO-8699 | MH-8690 | MH-8691 | 468.60 | 466.09 | 466.06 | 300.0 | 30 | 2.17 | 800.000 | 0.011 | 0.64 | 3.05 |
| CO-8700 | MH-8691 | MH-8692 | 468.49 | 466.06 | 466.02 | 300.0 | 30 | 2.10 | 800.000 | 0.011 | 0.64 | 3.06 |
| CO-8701 | MH-8692 | MH-8693 | 468.38 | 466.02 | 465.98 | 300.0 | 30 | 2.02 | 800.000 | 0.011 | 0.64 | 3.07 |
| CO-8702 | MH-8693 | MH-8694 | 468.27 | 465.98 | 465.94 | 300.0 | 31 | 1.91 | 800.000 | 0.011 | 0.65 | 3.08 |
| CO-8703 | MH-8694 | MH-8695 | 468.07 | 465.94 | 465.91 | 300.0 | 28 | 1.88 | 800.000 | 0.011 | 0.65 | 3.09 |
| CO-8704 | MH-8695 | MH-8696 | 468.13 | 465.91 | 465.87 | 350.0 | 29 | 1.98 | 800.000 | 0.011 | 0.68 | 3.48 |
| CO-8705 | MH-8696 | MH-8697 | 468.31 | 465.87 | 465.83 | 350.0 | 30 | 2.02 | 800.000 | 0.011 | 0.68 | 3.49 |
| CO-8706 | MH-8697 | MH-8698 | 468.12 | 465.83 | 465.79 | 350.0 | 31 | 1.70 | 800.000 | 0.011 | 0.68 | 3.51 |
| CO-8707 | MH-8698 | MH-8699 | 467.61 | 465.79 | 465.76 | 350.0 | 30 | 1.24 | 800.000 | 0.011 | 0.68 | 3.52 |
| CO-8708 | MH-8699 | MH-8700 | 467.11 | 465.76 | 465.27 | 350.0 | 30 | 1.00 | 61.919 | 0.011 | 1.74 | 3.53 |
| CO-8709 | MH-8700 | MH-8701 | 466.62 | 465.27 | 464.93 | 350.0 | 31 | 1.00 | 90.455 | 0.011 | 1.52 | 3.54 |
| CO-8710 | MH-8701 | MH-8702 | 466.28 | 464.93 | 464.66 | 350.0 | 29 | 1.00 | 104.485 | 0.011 | 1.45 | 3.55 |
| CO-8711 | MH-8702 | MH-8703 | 466.01 | 464.66 | 464.47 | 350.0 | 29 | 1.00 | 151.886 | 0.011 | 1.27 | 3.56 |
| CO-8712 | MH-8703 | MH-8704 | 465.82 | 464.47 | 464.40 | 350.0 | 31 | 1.00 | 459.570 | 0.011 | 0.84 | 3.57 |
| CO-8713 | MH-8704 | MH-8705 | 465.75 | 464.40 | 464.34 | 350.0 | 30 | 1.00 | 531.317 | 0.011 | 0.80 | 3.58 |
| CO-8714 | MH-8705 | MH-8706 | 465.69 | 464.34 | 464.30 | 350.0 | 28 | 1.00 | 607.315 | 0.011 | 0.76 | 3.60 |
| CO-8715 | MH-8706 | MH-8707 | 465.65 | 464.30 | 464.23 | 350.0 | 30 | 1.00 | 440.568 | 0.011 | 0.86 | 3.61 |
| CO-8716 | MH-8707 | MH-8708 | 465.58 | 464.23 | 464.03 | 350.0 | 25 | 1.00 | 123.985 | 0.011 | 1.37 | 3.62 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8717 | MH-8708 | MH-8709 | 465.38 | 464.03 | 463.66 | 350.0 | 36 | 1.00 | 98.830 | 0.011 | 1.48 | 3.63 |
| CO-8718 | MH-8709 | MH-8710 | 465.01 | 463.66 | 463.38 | 350.0 | 30 | 1.00 | 105.436 | 0.011 | 1.45 | 3.64 |
| CO-8719 | MH-8710 | MH-8711 | 464.73 | 463.38 | 463.08 | 350.0 | 30 | 1.00 | 101.175 | 0.011 | 1.47 | 3.65 |
| CO-8720 | MH-8711 | MH-8451 | 464.43 | 463.08 | 462.79 | 350.0 | 30 | 1.00 | 102.213 | 0.011 | 1.47 | 3.66 |
| CO-8450 | MH-8451 | MH-8452 | 464.14 | 462.79 | 462.42 | 350.0 | 37 | 1.00 | 102.622 | 0.011 | 1.47 | 3.68 |
| CO-8752 | MH-8452 | MH-8730 | 463.77 | 462.42 | 462.12 | 350.0 | 31 | 1.00 | 101.802 | 0.011 | 1.48 | 3.69 |
| CO-8753 | MH-8730 | MH-8731 | 463.47 | 462.12 | 462.06 | 350.0 | 38 | 1.00 | 614.932 | 0.011 | 0.76 | 3.70 |
| CO-8791 | MH-8765 | MH-8766 | 477.18 | 475.27 | 474.62 | 150.0 | 32 | 1.38 | 50.000 | 0.013 | 0.34 | 0.01 |
| CO-8792 | MH-8766 | MH-8767 | 475.77 | 474.62 | 474.08 | 150.0 | 27 | 1.00 | 50.800 | 0.013 | 0.42 | 0.02 |
| CO-8793 | MH-8767 | MH-8768 | 475.23 | 474.08 | 473.81 | 150.0 | 23 | 1.00 | 85.796 | 0.013 | 0.39 | 0.03 |
| CO-8794 | MH-8768 | MH-8769 | 474.96 | 473.81 | 473.16 | 150.0 | 38 | 1.01 | 59.506 | 0.013 | 0.48 | 0.05 |
| CO-8795 | MH-8769 | MH-8770 | 474.32 | 473.16 | 472.49 | 150.0 | 34 | 1.01 | 50.000 | 0.013 | 0.55 | 0.06 |
| CO-8796 | MH-8770 | MH-8771 | 473.64 | 472.49 | 471.95 | 150.0 | 31 | 1.00 | 57.145 | 0.013 | 0.55 | 0.07 |
| CO-8797 | MH-8771 | MH-8772 | 473.10 | 471.95 | 471.54 | 150.0 | 34 | 1.00 | 82.899 | 0.013 | 0.51 | 0.08 |
| CO-8798 | MH-8772 | MH-8773 | 472.69 | 471.54 | 471.17 | 150.0 | 39 | 1.00 | 105.131 | 0.013 | 0.49 | 0.09 |
| CO-8799 | MH-8773 | MH-8774 | 472.32 | 471.17 | 470.93 | 150.0 | 29 | 1.00 | 119.380 | 0.013 | 0.48 | 0.10 |
| CO-8800 | MH-8774 | MH-8775 | 472.08 | 470.93 | 470.48 | 150.0 | 37 | 1.00 | 83.312 | 0.013 | 0.56 | 0.11 |
| CO-8801 | MH-8775 | MH-8063 | 471.63 | 470.48 | 470.34 | 150.0 | 59 | 1.00 | 418.011 | 0.013 | 0.33 | 0.13 |
| CO-8063 | MH-8063 | MH-8064 | 471.49 | 470.34 | 470.01 | 150.0 | 53 | 1.00 | 163.591 | 0.010 | 0.56 | 0.14 |
| CO-8064 | MH-8064 | MH-8065 | 471.16 | 470.01 | 469.83 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.58 | 0.15 |
| CO-8065 | MH-8065 | MH-8066 | 470.98 | 469.83 | 469.65 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.59 | 0.16 |
| CO-8066 | MH-8066 | MH-8067 | 470.80 | 469.65 | 469.46 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.60 | 0.17 |
| CO-8067 | MH-8067 | MH-8068 | 470.61 | 469.46 | 469.28 | 150.0 | 29 | 1.00 | 163.591 | 0.010 | 0.61 | 0.18 |
| CO-8068 | MH-8068 | MH-8069 | 470.43 | 469.28 | 469.10 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.62 | 0.19 |
| CO-8069 | MH-8069 | MH-8070 | 470.25 | 469.10 | 468.91 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.63 | 0.21 |
| CO-8070 | MH-8070 | MH-8071 | 470.06 | 468.91 | 468.72 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.64 | 0.22 |
| CO-8071 | MH-8071 | MH-8072 | 469.87 | 468.72 | 468.55 | 150.0 | 29 | 1.00 | 163.591 | 0.010 | 0.65 | 0.23 |
| CO-8072 | MH-8072 | MH-8073 | 469.70 | 468.55 | 468.36 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.66 | 0.24 |
| CO-8073 | MH-8073 | MH-8074 | 469.51 | 468.36 | 468.18 | 150.0 | 29 | 1.00 | 163.591 | 0.010 | 0.67 | 0.25 |
| CO-8074 | MH-8074 | MH-8075 | 469.33 | 468.18 | 467.99 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.68 | 0.26 |
| CO-8075 | MH-8075 | MH-8076 | 469.14 | 467.99 | 467.81 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.69 | 0.27 |
| CO-8076 | MH-8076 | MH-8077 | 468.96 | 467.81 | 467.63 | 150.0 | 29 | 1.00 | 163.591 | 0.010 | 0.69 | 0.28 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8077 | MH-8077 | MH-8078 | 468.78 | 467.63 | 467.44 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.71 | 0.30 |
| CO-8078 | MH-8078 | MH-8079 | 468.59 | 467.44 | 467.26 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.71 | 0.31 |
| CO-8079 | MH-8079 | MH-8080 | 468.41 | 467.26 | 467.08 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.72 | 0.32 |
| CO-8080 | MH-8080 | MH-8081 | 468.23 | 467.08 | 466.89 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.73 | 0.33 |
| CO-8081 | MH-8081 | MH-8082 | 468.04 | 466.89 | 466.71 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.73 | 0.34 |
| CO-8082 | MH-8082 | MH-8083 | 467.86 | 466.71 | 466.52 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.74 | 0.35 |
| CO-8083 | MH-8083 | MH-8084 | 467.67 | 466.52 | 466.39 | 150.0 | 22 | 1.00 | 163.591 | 0.010 | 0.75 | 0.36 |
| CO-8100 | MH-8084 | MH-8101 | 467.54 | 466.39 | 466.29 | 150.0 | 16 | 1.00 | 163.591 | 0.010 | 0.75 | 0.38 |
| CO-8101 | MH-8101 | MH-8102 | 467.44 | 466.29 | 466.21 | 150.0 | 14 | 1.00 | 163.591 | 0.010 | 0.76 | 0.39 |
| CO-8102 | MH-8102 | MH-8103 | 467.36 | 466.21 | 466.01 | 150.0 | 32 | 1.00 | 163.591 | 0.010 | 0.77 | 0.40 |
| CO-8103 | MH-8103 | MH-8104 | 467.16 | 466.01 | 465.84 | 150.0 | 27 | 1.00 | 163.591 | 0.010 | 0.77 | 0.41 |
| CO-8104 | MH-8104 | MH-8105 | 466.99 | 465.84 | 465.65 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.78 | 0.42 |
| CO-8105 | MH-8105 | MH-8106 | 466.80 | 465.65 | 465.47 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.78 | 0.43 |
| CO-8106 | MH-8106 | MH-8107 | 466.62 | 465.47 | 465.35 | 150.0 | 20 | 1.00 | 163.591 | 0.010 | 0.79 | 0.44 |
| CO-8107 | MH-8107 | MH-8108 | 466.50 | 465.35 | 465.16 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.79 | 0.46 |
| CO-8108 | MH-8108 | MH-8109 | 466.31 | 465.16 | 464.98 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.80 | 0.47 |
| CO-8109 | MH-8109 | MH-8110 | 466.13 | 464.98 | 464.79 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.80 | 0.48 |
| CO-8110 | MH-8110 | MH-8111 | 465.94 | 464.79 | 464.61 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.81 | 0.49 |
| CO-8111 | MH-8111 | MH-8112 | 465.76 | 464.61 | 464.42 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.81 | 0.50 |
| CO-8112 | MH-8112 | MH-8113 | 465.57 | 464.42 | 464.28 | 150.0 | 23 | 1.00 | 163.591 | 0.010 | 0.82 | 0.51 |
| CO-8113 | MH-8113 | MH-8114 | 465.43 | 464.28 | 464.06 | 150.0 | 37 | 1.00 | 163.591 | 0.010 | 0.82 | 0.52 |
| CO-8114 | MH-8114 | MH-8115 | 465.21 | 464.06 | 463.87 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.83 | 0.54 |
| CO-8115 | MH-8115 | MH-8116 | 465.02 | 463.87 | 463.67 | 150.0 | 34 | 1.00 | 163.591 | 0.010 | 0.83 | 0.55 |
| CO-8116 | MH-8116 | MH-8117 | 464.82 | 463.67 | 463.50 | 150.0 | 27 | 1.00 | 163.591 | 0.010 | 0.84 | 0.56 |
| CO-8117 | MH-8117 | MH-8118 | 464.65 | 463.50 | 463.32 | 150.0 | 30 | 1.00 | 163.591 | 0.010 | 0.84 | 0.57 |
| CO-8118 | MH-8118 | MH-8119 | 464.47 | 463.32 | 463.13 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.85 | 0.58 |
| CO-8119 | MH-8119 | MH-8120 | 464.28 | 463.13 | 462.96 | 150.0 | 28 | 1.00 | 163.591 | 0.010 | 0.85 | 0.59 |
| CO-8120 | MH-8120 | MH-8121 | 464.11 | 462.96 | 462.77 | 150.0 | 31 | 1.00 | 163.591 | 0.010 | 0.85 | 0.60 |
| CO-8121 | MH-8121 | MH-8122 | 463.92 | 462.77 | 462.50 | 150.0 | 44 | 1.00 | 163.591 | 0.010 | 0.86 | 0.62 |
| CO-8129 | MH-8122 | MH-8731 | 463.65 | 462.26 | 462.50 | 150.0 | 40 | 1.00 | 163.591 | 0.010 | 0.86 | 0.63 |
| CO-8122 | MH-8123 | MH-8124 | 464.48 | 462.00 | 461.96 | 900.0 | 33 | 1.42 | 800.000 | 0.011 | 1.32 | 51.23 |
| CO-8123 | MH-8124 | MH-8125 | 464.11 | 461.96 | 461.89 | 900.0 | 55 | 1.26 | 800.000 | 0.011 | 1.32 | 51.24 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-8124 | MH-8125 | MH-8126 | 464.05 | 461.89 | 461.86 | 900.0 | 27 | 1.21 | 800.000 | 0.011 | 1.32 | 51.25 |
| CO-8125 | MH-8126 | MH-8127 | 463.91 | 461.86 | 461.79 | 900.0 | 41 | 1.08 | 609.693 | 0.011 | 1.47 | 51.26 |
| CO-8126 | MH-8127 | MH-8128 | 463.69 | 461.79 | 461.71 | 900.0 | 22 | 1.00 | 268.627 | 0.011 | 2.00 | 51.27 |
| CO-8127 | MH-8128 | MH-8129 | 463.61 | 461.71 | 461.42 | 900.0 | 34 | 1.00 | 121.343 | 0.011 | 2.68 | 51.28 |
| CO-8128 | MH-8129 | MH-8731 | 463.32 | 461.42 | 461.39 | 900.0 | 27 | 1.06 | 800.000 | 0.011 | 1.32 | 51.28 |
| CO-8768 | MH-8731 | MH-8742 | 463.41 | 460.00 | 459.90 | 900.0 | 20 | 2.49 | 200.000 | 0.011 | 2.27 | 54.57 |
| CO-8769 | MH-8742 | MH-8743 | 463.27 | 459.90 | 459.86 | 900.0 | 31 | 2.34 | 800.000 | 0.011 | 1.33 | 54.57 |
| CO-8770 | MH-8743 | MH-8744 | 462.98 | 459.86 | 459.83 | 900.0 | 30 | 2.24 | 800.000 | 0.011 | 1.33 | 54.58 |
| CO-8771 | MH-8744 | MH-8745 | 463.00 | 459.83 | 459.79 | 900.0 | 33 | 2.31 | 800.000 | 0.011 | 1.33 | 54.59 |
| CO-8772 | MH-8745 | MH-8746 | 463.04 | 459.79 | 459.75 | 900.0 | 28 | 2.30 | 800.000 | 0.011 | 1.33 | 54.60 |
| CO-8773 | MH-8746 | MH-8747 | 462.89 | 459.75 | 459.72 | 900.0 | 28 | 2.25 | 800.000 | 0.011 | 1.33 | 54.61 |
| CO-8774 | MH-8747 | MH-8748 | 462.87 | 459.72 | 459.68 | 900.0 | 30 | 2.20 | 800.000 | 0.011 | 1.33 | 54.62 |
| CO-8775 | MH-8748 | MH-8749 | 462.73 | 459.68 | 459.64 | 900.0 | 30 | 2.18 | 800.000 | 0.011 | 1.33 | 54.63 |
| CO-8776 | MH-8749 | MH-8750 | 462.76 | 459.64 | 459.61 | 900.0 | 27 | 2.20 | 800.000 | 0.011 | 1.33 | 54.63 |
| CO-8777 | MH-8750 | MH-8751 | 462.68 | 459.61 | 459.57 | 900.0 | 32 | 2.21 | 800.000 | 0.011 | 1.33 | 54.64 |
| CO-8778 | MH-8751 | MH-8752 | 462.72 | 459.57 | 459.55 | 900.0 | 12 | 2.23 | 800.000 | 0.011 | 1.33 | 54.65 |
| CO-8779 | MH-8752 | MH-8753 | 462.65 | 459.55 | 459.53 | 900.0 | 18 | 2.10 | 800.000 | 0.011 | 1.33 | 54.66 |
| CO-8780 | MH-8753 | MH-8754 | 462.42 | 459.53 | 459.49 | 900.0 | 29 | 2.05 | 800.000 | 0.011 | 1.33 | 54.67 |
| CO-8781 | MH-8754 | MH-8755 | 462.49 | 459.49 | 459.46 | 900.0 | 29 | 2.16 | 800.000 | 0.011 | 1.33 | 54.68 |
| CO-8782 | MH-8755 | MH-8756 | 462.58 | 459.46 | 459.42 | 900.0 | 30 | 2.19 | 800.000 | 0.011 | 1.33 | 54.69 |
| CO-8783 | MH-8756 | MH-8757 | 462.48 | 459.42 | 459.10 | 900.0 | 32 | 2.24 | 100.000 | 0.011 | 2.93 | 54.69 |
| CO-8784 | MH-8757 | MH-8758 | 462.31 | 459.10 | 458.78 | 900.0 | 50 | 2.31 | 155.801 | 0.011 | 2.49 | 54.70 |
| CO-8785 | MH-8758 | MH-8759 | 461.98 | 458.78 | 458.67 | 900.0 | 23 | 2.21 | 200.000 | 0.011 | 2.27 | 54.71 |
| CO-8786 | MH-8759 | MH-8760 | 461.69 | 458.67 | 458.63 | 900.0 | 33 | 2.24 | 800.000 | 0.011 | 1.33 | 54.72 |
| CO-8787 | MH-8760 | MH-8761 | 461.87 | 458.63 | 458.59 | 900.0 | 30 | 2.29 | 800.000 | 0.011 | 1.33 | 54.73 |
| CO-8788 | MH-8761 | MH-8762 | 461.72 | 458.59 | 458.55 | 900.0 | 29 | 2.16 | 800.000 | 0.011 | 1.33 | 54.74 |
| CO-8789 | MH-8762 | MH-8763 | 461.54 | 458.55 | 458.51 | 900.0 | 34 | 2.14 | 800.000 | 0.011 | 1.33 | 54.75 |
| CO-8790 | MH-8763 | OF-2 | 461.59 | 458.51 | 458.47 | 900.0 | 30 | 2.14 | 800.000 | 0.011 | 1.33 | 54.76 |

**Name of Project:- Providing Sewerage Scheme for newly developed and
Unsewered pockets in Old area of Solapur city**

**DESIGN OF SUMP
AT PUMPING STATION NEAR ZONE IX SPS I**

| | | | |
|----|---|--------------|----------|
| 1 | Total Sewage flow received in Wet well near Pumping Station | 24.28 | Mld |
| 2 | Average flow in cum/sec | 0.281 | cum/sec |
| 3 | Add 25% for Inlet Chamber | 0.070 | cum/sec |
| 3 | Consider Peak factor | 2.25 | |
| 4 | Peak flow in m ³ /sec | 0.790 | cum/sec |
| 5 | Detention time | 300 | sec |
| 6 | Capacity of Wet well at 05 min. detention of peak flow | 237.109 | Cu.m |
| 7 | Assuming depth of sewage water | 2.5 | m |
| 8 | Plan area required for Wet well | 94.84 | sqm |
| 9 | Diameter of well | 10.989 | m |
| | Say | 11.00 | m |
| 10 | Capacity actually provided | 237.58 | |
| | Salient features of well : | | |
| 1 | Diameter of well | 11.00 | m |
| 2 | Depth of sewage | 2.5 | m |
| 3 | Ground level at well | 461.470 | m |
| 4 | Pump Floor Level | 462.270 | m |
| 5 | Invert level of incoming sewer R.L. | 458.47 | m |
| 6 | Free board | 0.300 | m |
| 7 | FSL in well | 456.800 | m |
| 8 | Bottom level | 454.300 | m |
| 9 | Total depth of well (Top R.L. - Bottom R.L.) | 7.970 | m |
| | Say | 8.00 | m |
| | | | Cum |
| 10 | 1 DWF Flow | 24.28 | Mld |
| 11 | 1DWF Flow | 281.02 | LPS |
| 12 | 3 DWF Flow | 843.06 | LPS |
| | Detention time Required | | |
| 13 | Capacity of Sump proposed | 237583.5 | Liters |
| 14 | 3 DWF Flow | 843.06 | LPS |
| 15 | Detention period in minutes | 4.70 | Minutes |
| 16 | 1 DWF Flow | 281.02 | |
| 17 | Detention period in minutes | 14.091 | Minutes |

Name of Project:- Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city

Name of Sub Work - Design of Pumping Machinery of Zone IX SPS at STP

| | | | |
|--------------------------------------|--|--------------|---------------|
| 1 | Population 2035 | 169673 | |
| 2 | H.W. constant | 140 | |
| 3 | Pumping hours | 24 | Hours |
| 4 | GL at delivery point at Chamber | 466.470 | m RL |
| 5 | Invert level of incoming sewer | 458.470 | m RL |
| 6 | Diameter Pumping Main(ID) | 600 | mm |
| 7 | Diameter Pumping Main(ID) | 0.6 | m |
| 8 | Average flow at 2035 stage: 1 DWF | 20.49 | Mld |
| 9 | Designed flow through pumping main | 20.49 | Mld |
| 10 | Average flow at 2035 stage: 1 DWF | 237.15 | lps |
| 11 | 2 DWF | 474.31 | lps |
| 12 | 3 DWF | 711.46 | lps |
| 13 | Rising main Length of 600 mm dia DI | 150 | m |
| Design of pumps for year 2035 | | | |
| A | Pump capacity | 1 | DWF |
| 1 | 1 | 20.49 | Mld |
| 2 | Flow | 0.237 | Cum/sec |
| 3 | Bottom level of well | 454.30 | m RL |
| 4 | Static head | 12.17 | m |
| 5 | Rate of frictional loss with C as 140 | 0.87 | m/km |
| 6 | Frictional head in rising main including 10% | 0.14 | m |
| 7 | Total head including 0.5 m residual head | 12.81 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 69.46 | HP |
| | | Say | 70.00 |
| B | Pump capacity | 2 | DWF |
| 1 | 2 DWF | 40.98 | Mld |
| 2 | Flow | 0.474 | Cum/sec |
| 3 | Bottom level of well | 454.3 | m RL |
| 4 | Static head | 12.17 | m |
| 5 | Rate of frictional loss with C as 140 | 3.04 | m/km |
| 6 | Frictional head in rising main including 10% | 0.50 | m |
| 7 | Total head including 0.5 m residual head | 13.17 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 142.80 | HP |
| | | Say | 150.00 |
| | | HP | |

Name of Project:- Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city

Name of Sub Work - Design of Pumping Machinery of Zone IX SPS at STP

| | | | |
|----------|---|---------------|------------|
| C | Pump capacity | 3 | DWF |
| 1 | 3 DWF | 61.47 | Mld |
| 2 | Flow | 0.711 | Cum/sec |
| 3 | Bottom level of well | 454.3 | m RL |
| 4 | Static head | 12.17 | m |
| 5 | Rate of frictional loss | 6.34 | m/km |
| 6 | Frictional head in rising main including 10% | 1.05 | m |
| 7 | Total head including 0.5 m residual head | 13.72 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 223.05 | HP |
| | Say | 225.00 | HP |
| D | Hence provide Submercible pumps as mentioned below | | |
| 1 | 1 DWF | 1 | No |
| | | 70.00 | HP |
| 2 | 2 DWF | 1 | No |
| | | 150.00 | HP |
| 3 | 3DWF | 1 | No |
| | | 225.00 | HP |
| | | | 225 |

Water Hammer Calculation

Name of Subwork -Pumping Main at STP

INPUT GENERAL DATA

| | | |
|---------------------------------|----------|------------------|
| Ultimate stage demand | 24.28 | MLD |
| Pumping hours | 24.00 | hrs. |
| Designed discharge | 24.28 | MLD |
| Length | 200 | m |
| Static head Say | 13.00 | m |
| Highest point at M H Chamber GL | 466.470 | |
| Lowest level on RM | 454.300 | |
| Static head | 12.17 | |
| Residual Head | 0.50 | |
| Total head m | 12.67 | |
| Bulk modulus of water | 2.07E+08 | Kg/sq.m |
| Gravitational acceleration | 9.81 | m/s ² |

INPUT PIPE DATA

PIPE MATERIAL - DI K-9

| Sr.No. | Material @ Class of pipe | Modulus of Elasticity of pipe material | Nominal Dia.(ID) | Thickness of shell | Thickness of lining | Bore Dia. (Clear) | HW constant 'C' | Dia of shell for WH |
|--------|--------------------------|--|------------------|--------------------|---------------------|-------------------|-----------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | mm | kg/sq.m | mm | mm | mm | mm | | mm |
| 1 | DI-K-9 | 1.70E+10 | 400 | 8.1 | 5 | 390 | 140 | 400 |
| 2 | DI-K-9 | 1.70E+10 | 450 | 8.6 | 5 | 440 | 140 | 450 |
| 3 | DI-K-9 | 1.70E+10 | 500 | 9.0 | 5 | 490 | 140 | 500 |
| 4 | DI-K-9 | 1.70E+10 | 600 | 9.9 | 5 | 590 | 140 | 600 |
| 5 | DI-K-9 | 1.70E+10 | 700 | 10.8 | 6 | 688 | 140 | 700 |
| 6 | DI-K-9 | 1.70E+10 | 750 | 11.3 | 6 | 738 | 140 | 750 |

| Sr. No. | Pipe material | Bore Diameter | Rate of friction | Velocity | Frictional Losses | Total Frictional losses including 10% other losses | Static Lift | Water hammer head, H_{max} | Cond. No. 1 | Cond. No. 2 | | | Allowable Work. Press. | Allowable Test Pressure | Status |
|---------|---------------|---------------|------------------|----------|-------------------|--|-------------|------------------------------|------------------|---------------------|-----------------|----------------------------|------------------------|-------------------------|--------------|
| | | | | | | | | | Working Pressure | Field test Pressure | 1.5 times | Maximum of Condition No. 2 | | | |
| | | mm | m/1000m | m/s | m | h_f | S_t | H_{max} | (S_t+h_f) | $(S_t+h_f+H_{max})$ | $1.5x(S_t+h_f)$ | ϵ | ϵ | ϵ | Safe/ Unsafe |
| | | | | | | m | m | m | m | m | m | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | DI-K-9 | 390.00 | 10.58 | 2.352 | 2.117 | 2.33 | 13.00 | 270.04 | 15.33 | 285.37 | 22.99 | 285.37 | 420 | 510 | Safe |
| 2 | DI-K-9 | 440.00 | 5.88 | 1.848 | 1.176 | 1.29 | 13.00 | 209.82 | 14.29 | 224.11 | 21.44 | 224.11 | 400 | 480 | Safe |
| 3 | DI-K-9 | 490.00 | 3.48 | 1.490 | 0.696 | 0.77 | 13.00 | 167.19 | 13.77 | 180.95 | 20.65 | 180.95 | 380 | 460 | Safe |
| 4 | DI-K-9 | 590.00 | 1.41 | 1.028 | 0.282 | 0.31 | 13.00 | 113.26 | 13.31 | 126.57 | 19.97 | 126.57 | 360 | 430 | Safe |
| 5 | DI-K-9 | 688.00 | 0.67 | 0.756 | 0.133 | 0.15 | 13.00 | 82.09 | 13.15 | 95.24 | 19.72 | 95.24 | 340 | 410 | Safe |
| 6 | DI-K-9 | 738.00 | 0.47 | 0.657 | 0.095 | 0.10 | 13.00 | 70.97 | 13.10 | 84.07 | 19.66 | 84.07 | 330 | 390 | Safe |

Criteria for selection of pipe material

- Condition.1 : (Static+Frictional) Head < Working Head
(Static+Frictional+ H_{max})
- Condition.2 : (Static + Friction) x 1.5
Maximum of these two < Field test pressure

Design for Economic Size of Pumping Main

Name of Subwork -Pumping Main at STP

| | | I N P U T D A T A | | | | | PIPE MATERIAL - DI K-9 | | | |
|----|---|-------------------|-------|---------|---------------------------------|-------|------------------------|---------|-------------------|--|
| 1 | Water Requirement: | Year | | | PIPE DATA | | | | Nominal Dia. (ID) | |
| | A. Initial | 2020 | 17.61 | MLD | Bore Dia | Rate | Material | HWC | mm | |
| | B. Intermediate | 2035 | 20.49 | MLD | mm | Rs./m | | | | |
| | C. Ultimate | 2050 | 24.28 | MLD | 390 | 4924 | DI-K-9 | 140 | 400 | |
| 2 | Pumping main | Length | 150 | m | 440 | 6036 | DI-K-9 | 140 | 450 | |
| | | | | | 490 | 6849 | DI-K-9 | 140 | 500 | |
| | | | | | 590 | 9063 | DI-K-9 | 140 | 600 | |
| | | | | | 688 | 11729 | DI-K-9 | 140 | 700 | |
| | | | | | 738 | 13156 | DI-K-9 | 140 | 750 | |
| 3 | Static Head of Pump (+Resid. 0.50m) | St. Head | 12.70 | m | Highest point at M H Chamber GL | | | 466.470 | | |
| 4 | Design period | Period | 30 | years | LSL | | | 454.300 | | |
| 5 | Combined Eff. Of pump set | Eff. % | 70 | % | Static head | | | 12.17 | | |
| 6 | Cost of pumping unit | Rs./ kw | 25000 | Rs. | Residual head | | | 0.50 | | |
| 7 | Standby provision | | | | Total static head | | | 12.70 | | |
| | | 1st stage | % | 50 | % | | | | | |
| | | 2nd stage | % | 50 | % | | | | | |
| 8 | Interest rate for discounting | Interest | 8 | % | | | | | | |
| 9 | Rate of escalation in power | Escalation | 10 | % / yr. | | | | | | |
| 10 | Life of elect. Motors | P.years | 15 | | | | | | | |
| 11 | Energy charges | per kwh | 5 | Rs. | | | | | | |
| 12 | Pumping hours for discharge at the end of 1st stage | Hours | 24.00 | hrs. | | | | | | |

C A L C U L A T I O N S :

| | | 1st Stage | | | 2nd Stage | | |
|---|---|-----------|------|--|-----------|------|--|
| 1 | Discharge at installation | 17.61 | MLD | | 20.49 | MLD | |
| 2 | Discharge at the end of 1st dtage | 20.49 | MLD | | 24.28 | MLD | |
| 3 | Average Discharge | 19.05 | MLD | | 22.39 | MLD | |
| 4 | Hours of ppumping for discharge at the end of the stage | 24 | hrs. | | 24 | hrs. | |
| 5 | Average hours of pumping for average discharge | 22.31 | hrs. | | 22.13 | hrs. | |
| 6 | KW required at combined efficiency of pumping set | 3.32 | H 1 | | 3.936 | H 1 | |
| | Average annual charges for electrical energy | 40748.59 | KW 1 | | 40408.06 | KW 1 | |

**TABLE 1
VELOCITY AND HEADLOSSES FOR DIFFERENT PIPE SIZES**

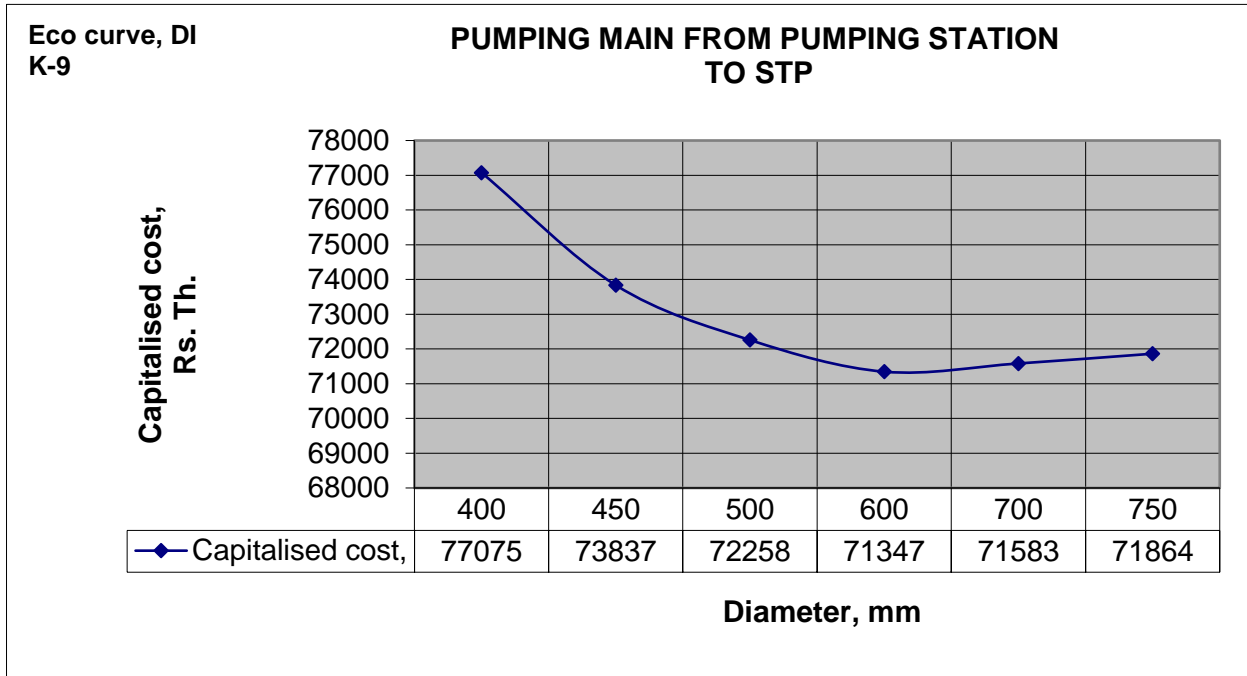
| Sr. No. | Pipe size in mm | Friction head loss per 1000 m | | Velocity in m/s | | Total head loss for | | | | | |
|---------|-----------------|-------------------------------|----------------|-----------------|-----------------|--|------------------|-------|----------------|------|-------|
| | | 1st stage flow | 2nd stage flow | 1st stage flow | 2nd stage flow | 150 m pipe length and 12.7 m static head | | | | | |
| | | | | | | 1st stage flow | | | 2nd stage flow | | |
| | | Frictional loss | Other losses * | Total losses H1 | Frictional loss | Other losses | Total losses H 2 | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 390 | 7.73 | 10.59 | 1.9852 | 2.352 | 1.16 | 0.12 | 13.98 | 1.59 | 0.16 | 14.45 |
| 2 | 440 | 4.30 | 5.88 | 1.5597 | 1.848 | 0.64 | 0.06 | 13.41 | 0.88 | 0.09 | 13.67 |
| 3 | 490 | 2.54 | 3.48 | 1.2576 | 1.490 | 0.38 | 0.04 | 13.12 | 0.52 | 0.05 | 13.27 |
| 4 | 590 | 1.03 | 1.41 | 0.8674 | 1.028 | 0.15 | 0.02 | 12.87 | 0.21 | 0.02 | 12.93 |
| 5 | 688 | 0.49 | 0.67 | 0.6379 | 0.756 | 0.07 | 0.01 | 12.78 | 0.10 | 0.01 | 12.81 |
| 6 | 738 | 0.35 | 0.47 | 0.5544 | 0.657 | 0.05 | 0.01 | 12.76 | 0.07 | 0.01 | 12.78 |

* Other losses at 10 % of frictional losses

| Sr. No. | Pipe size in m | Material | For 1st stage of flow | | | For 2nd stage of flow | | | Cost of pipe per unit length in Rs. | Cost of 150 meter pipeline in Rs. 10 ³ |
|---------|----------------|----------|-----------------------|----------------------------|-----------------------|-----------------------|----------------------------|-----------------------|-------------------------------------|---|
| | | | H1 Total Head in m | Kw required plus % standby | Pump cost @ Rs. 25000 | H 2 Total Head in m | Kw required plus % standby | Pump cost @ Rs. 25000 | | |
| | | | | | per Kw | | | per Kw | | |
| | | | | | Rs. 10 ³ | | | Rs. 10 ³ | | |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | | | |
| 1 | 390 | DI-K-9 | 13.98 | 69.63 | 1741 | 14.45 | 71.98 | 1799 | 4923.95 | 738.593 |
| 2 | 440 | DI-K-9 | 13.41 | 66.81 | 1670 | 13.67 | 68.11 | 1703 | 6036.3 | 905.445 |
| 3 | 490 | DI-K-9 | 13.12 | 65.37 | 1634 | 13.27 | 66.14 | 1653 | 6849.15 | 1027.37 |
| 4 | 590 | DI-K-9 | 12.87 | 64.12 | 1603 | 12.93 | 64.43 | 1611 | 9062.9 | 1359.44 |
| 5 | 688 | DI-K-9 | 12.78 | 63.67 | 1592 | 12.81 | 63.82 | 1596 | 11729.3 | 1759.4 |
| 6 | 738 | DI-K-9 | 12.76 | 63.56 | 1589 | 12.78 | 63.66 | 1592 | 13155.75 | 1973.36 |

| Sr. No. | Pipe size in mm | For 1st stage of flow | | | | For 2nd stage of flow | | | | Grand Total Cost capitalised | Pipe size in mm |
|---------|-----------------|-----------------------|-----------------------|----------------------------|------------------------|-----------------------|-----------------------|-----------------------------|------------------------|------------------------------|-----------------|
| | | Cost of pump-sets | Annual Energy charges | Capitalised energy charges | Capitalised total cost | Cost of pump sets | Annual energy charges | Capitalised energy chareges | Capitalised total cost | | |
| | | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 390 | 1741 | 2033 | 35,432 | 37911 | 1799 | 2102 | 36,626 | 39164 | 77075 | 400 |
| 2 | 440 | 1670 | 1951 | 33,994 | 36570 | 1703 | 1989 | 34,658 | 37266 | 73837 | 450 |
| 3 | 490 | 1634 | 1909 | 33,261 | 35923 | 1653 | 1931 | 33,654 | 36335 | 72258 | 500 |
| 4 | 590 | 1603 | 1872 | 32,628 | 35590 | 1611 | 1881 | 32,787 | 35757 | 71347 | 600 |
| 5 | 688 | 1592 | 1859 | 32,401 | 35752 | 1596 | 1864 | 32,476 | 35831 | 71583 | 700 |
| 6 | 738 | 1589 | 1856 | 32,342 | 35904 | 1592 | 1859 | 32,395 | 35960 | 71864 | 750 |

| | | | | | | |
|--------------------------------------|--|--|-----------|-------|-----|-----------|
| Note: | | | ID | | | OD |
| The economic dia. of the pipe is | | | 590 | mm | say | 600 |
| Coresponding capitalised cost is Rs. | | | | 71347 | | |



SOLAPUR CITY UNDERGROUND SEWERAGE SCHEME (AMRUT)**Zone X (25 August 2019 as per existing IL and pipe diameter)**

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|----------|
| | | Min | Max | Min | Max | Min | Max | | | | | Min | Max | |
| | | | | | | | | | 1.00 | 4.90 | | 0.25 | 2.16 | |
| 150 | 20221 | 1.00 | 3.82 | 450 | 40 | 0.25 | 1.30 | Upto 2.0 | 20321.0 | 81.25 | 0 to 0.45 | 10164.0 | 40.64 | |
| 170 | 1887 | 1.00 | 4.90 | 450 | 68 | 0.62 | 1.65 | 2.01 to 4.0 | 4409.0 | 17.63 | 0.46 to 0.6 | 4400.0 | 17.59 | |
| 200 | 357 | 1.00 | 3.09 | 450 | 56 | 0.68 | 1.58 | 4.01 to 4.90 | 279.0 | 1.12 | 0.6 to 0.8 | 4016.0 | 16.06 | |
| 250 | 1386 | 1.00 | 3.99 | 450 | 63 | 0.77 | 1.75 | | | | Above 0.8 | 6429 | 25.71 | |
| 300 | 753 | 1.00 | 3.79 | 450 | 44 | 0.90 | 2.16 | | | | | | | |
| 350 | 405 | 1.23 | 3.64 | 450 | 300 | 1.03 | 1.22 | | | | | | | |
| 400 | 0 | | | | | | | | | | | | | |
| Total | 25009 | | | | | | | Total | 25009.0 | 100.0 | Total | 25009.0 | 100.00 | |

Part II

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|----------|
| | | Min | Max | Min | Max | Min | Max | | | | | Min | Max | |
| | | | | | | | | | 1 | 6.14 | | 0.2 | 2.64 | |
| 150 | 11738 | 1.00 | 6.14 | 450 | 19 | 0.20 | 1.48 | Upto 2.0 | 10412.0 | 70.59 | 0.2 to 0.45 | 6105.5 | 41.39 | |
| 170 | 790 | 1.00 | 6.03 | 450 | 18 | 0.63 | 2.15 | 2.01 to 4.0 | 3393.0 | 23.00 | 0.46 to 0.6 | 2474.5 | 16.78 | |
| 200 | 853 | 1.00 | 3.19 | 450 | 17 | 0.68 | 2.35 | 4.01 to 6.0 | 818.0 | 5.55 | 0.6 to 0.8 | 2029.5 | 13.76 | |
| 250 | 440 | 1.00 | 1.53 | 450 | 24 | 0.76 | 2.64 | Above 6.0 | 127.0 | 0.86 | Above 0.8 | 4140.5 | 28.07 | |
| 300 | 746 | 1.00 | 1.39 | 450 | 42 | 0.83 | 2.04 | | | | | | | |
| 350 | 183 | 2.05 | 2.70 | 450 | 450 | 0.92 | 0.92 | | | | | | | |
| Total | 14750 | | | | | | | Total | 14750.0 | 100.0 | Total | 14750.0 | 100.00 | |

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 24986 | 0.95 | 3.76 | 692 | 77 | 0.18 | 1.18 | | Min | Max | | Min | Max |
| 170 | 1202 | 1.00 | 2.75 | 500 | 100 | 0.59 | 1.30 | | 1 | 5.55 | | 0.18 | 2.18 |
| 200 | 397 | 1.03 | 3.98 | 500 | 39 | 0.62 | 1.65 | Upto 2.0 | 21778.0 | 71.87 | 0.18 to 0.45 | 14254.0 | 47.04 |
| 250 | 740 | 1.00 | 3.88 | 500 | 33 | 0.77 | 1.85 | 2.01 to 4.0 | 5955.0 | 19.65 | 0.46 to 0.6 | 6355.0 | 20.97 |
| 300 | 459 | 0.95 | 2.72 | 500 | 72 | 0.71 | 1.38 | 4.01 to 5.55 | 2570.0 | 8.48 | 0.6 to 0.8 | 4016.0 | 13.25 |
| 350 | 130 | 2.17 | 2.30 | 500 | 200 | 0.68 | 0.91 | | | | Above 0.8 | 5678 | 18.74 |
| 400 | 1305 | 1.13 | 4.94 | 500 | 200 | 0.97 | 1.39 | | | | | | |
| 450 | 69 | 3.40 | 3.65 | 500 | 500 | 1.05 | 1.05 | | | | | | |
| 500 | 500 | 3.04 | 5.55 | 500 | 500 | 1.16 | 1.16 | | | | | | |
| 600 | 515 | 1.00 | 4.30 | 500 | 100 | 1.20 | 2.18 | | | | | | |
| Total | 30303 | | | | | | | Total | 30303.0 | 100.0 | Total | 30303.0 | 100.00 |

Part IV

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 13901 | 1.00 | 3.90 | 500 | 100 | 0.19 | 1.06 | | Min | Max | | Min | Max |
| 170 | 1004 | 1.00 | 2.48 | 500 | 100 | 0.59 | 1.24 | | 0.94 | 3.99 | | 0.19 | 2.33 |
| 200 | 530 | 1.00 | 3.39 | 500 | 100 | 0.68 | 1.29 | Upto 2.0 | 15637.0 | 93.31 | 0 to 0.45 | 8333.0 | 49.72 |
| 250 | 253 | 1.51 | 3.31 | 500 | 126 | 0.72 | 1.22 | 2.01 to 3.99 | 1122.0 | 6.69 | 0.46 to 0.6 | 2933.0 | 17.50 |
| 300 | 153 | 1.00 | 2.02 | 500 | 275 | 0.80 | 1.03 | | | | 0.6 to 0.8 | 2500.0 | 14.92 |
| 350 | 237 | 1.02 | 1.40 | 500 | 100 | 0.89 | 1.71 | | | | Above 0.8 | 2993 | 17.86 |
| 600 | 681 | 0.94 | 2.45 | 600 | 100 | 1.13 | 2.33 | | | | | | |
| Total | 16759 | | | | | | | Total | 16759.0 | 100.0 | Total | 16759.0 | 100.00 |

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|--------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 6434 | 1.00 | 2.12 | 250 | 100 | 0.23 | 1.22 | Upto 2.0 | 6667.0 | 99.26 | 0 to 0.45 | 3173.0 | 47.24 |
| 170 | 283 | 1.00 | 1.35 | 250 | 100 | 0.85 | 1.28 | 2.01 to 2.12 | 50.0 | 0.74 | 0.46 to 0.6 | 962.0 | 14.32 |
| | | | | | | | | | | | 0.6 to 0.8 | 1801.0 | 26.81 |
| | | | | | | | | | | | Above 0.8 | 781 | 11.63 |
| Total | 6717 | | | | | | | Total | 6717.0 | 100.0 | Total | 6717.0 | 100.00 |

Part VI

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 11527 | 1.00 | 3.63 | 400 | 50 | 0.40 | 1.39 | | 1 | 3.63 | | 0.4 | 1.91 |
| 170 | 524 | 1.00 | 3.21 | 400 | 50 | 0.66 | 1.59 | Upto 2.0 | 11380.0 | 86.55 | 0.40 to 0.45 | 5471.0 | 41.61 |
| 200 | 169 | 1.72 | 2.49 | 400 | 250 | 0.74 | 0.98 | 2.01 to 3.63 | 1769.0 | 13.45 | 0.46 to 0.6 | 3234.0 | 24.60 |
| 250 | 428 | 1.00 | 2.36 | 1000 | 50 | 0.53 | 1.91 | | | | 0.6 to 0.8 | 1707.0 | 12.98 |
| 350 | 501 | 1.00 | 2.59 | 400 | 134 | 0.99 | 1.54 | | | | Above 0.8 | 2737 | 20.82 |
| Total | 13149 | | | | | | | Total | 13149.0 | 100.0 | Total | 13149.0 | 100.00 |

Part VII

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|----------------|--------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 150 | 11008 | 0.95 | 4.83 | 500 | 120 | 0.22 | 0.98 | | Min | Max | | Min | Max |
| 170 | 954 | 1.05 | 2.46 | 500 | 120 | 0.60 | 1.10 | | 0.95 | 4.83 | | 0.22 | 2.35 |
| 200 | 263 | 1.09 | 2.67 | 500 | 120 | 0.65 | 1.19 | Upto 2.0 | 9968.0 | 77.27 | 0 to 0.45 | 7537.0 | 58.43 |
| 250 | 82 | 1.14 | 1.35 | 500 | 500 | 0.75 | 0.75 | 2.01 to 4 | 2576.0 | 19.97 | 0.46 to 0.6 | 963.0 | 7.47 |
| 600 | 35 | 1.10 | 1.10 | 200 | 200 | 1.93 | 1.93 | 4.01 to 4.83 | 356 | 2.76 | 0.6 to 0.8 | 2001.0 | 15.51 |
| 700 | 558 | 1.02 | 3.36 | 500 | 120 | 1.37 | 2.35 | | | | Above 0.8 | 2399 | 18.60 |
| Total | 12900 | | | | | | | Total | 12900.0 | 100.0 | Total | 12900.0 | 100.00 |

Combine Zone X (25 August 2019 as per existing invert level and pipe diameter match)

| | | Cover | | Slope | | Velocity | | | Min | Max | | Min | Max |
|--------------|---------------|-------|------|---------|--------|----------|------|--------------|-----------------|------------|----------------|-----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | 1.21 | 6.47 | | 0.18 | 2.78 |
| Dia in mm | | Min | Max | Min | Max | Min | Max | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length | % Length |
| 150 | 99815 | 0.95 | 6.14 | 692.00 | 19.00 | 0.18 | 1.48 | Upto 2.0 | 96163.0 | 80.412587 | 0.18 to 0.45 | 55037.5 | 46.02 |
| 170 | 6644 | 1.00 | 6.03 | 500.00 | 18.00 | 0.59 | 2.15 | 2.01 to 4.0 | 19274.0 | 16.117136 | 0.46 to 0.6 | 21321.5 | 17.83 |
| 200 | 2569 | 1.00 | 3.98 | 500.00 | 17.00 | 0.62 | 2.35 | 4.01 to 6.0 | 4023.0 | 3.364078 | 0.6 to 0.8 | 18070.5 | 15.11 |
| 250 | 3329 | 1.00 | 3.99 | 1000.00 | 24.00 | 0.53 | 2.64 | Above 6.0 | 127.0 | 0.1061988 | Above 0.8 | 25157.5 | 21.04 |
| 300 | 2111 | 0.95 | 3.79 | 500.00 | 42.00 | 0.71 | 2.16 | Total | 119587.0 | 100 | Total | 119587.0 | 100.00 |
| 350 | 1456 | 1.00 | 3.64 | 500.00 | 100.00 | 0.68 | 1.71 | | | | | | |
| 400 | 1305 | 1.13 | 4.94 | 500.00 | 200.00 | 0.97 | 1.39 | | | | | | |
| 450 | 69 | 3.40 | 3.65 | 500.00 | 500.00 | 1.05 | 1.05 | | | | | | |
| 500 | 500 | 3.04 | 5.55 | 500.00 | 500.00 | 1.16 | 1.16 | | | | | | |
| 600 | 1231 | 0.94 | 4.30 | 600.00 | 100.00 | 1.13 | 2.33 | | | | | | |
| 700 | 558 | 1.02 | 3.36 | 500.00 | 120.00 | 1.37 | 2.35 | | | | | | |
| Total | 119587 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

Hydraulic Model Inventory: Zone X Part I.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part I) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 28-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 752 | Taps | 0 |
| -Circle | 752 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 752 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|----------|
| Circle - 150.0 mm | 16,728 m | Circle - 300.0 mm | 752 m |
| Circle - 170.0 mm | 1,384 m | Circle - 350.0 mm | 391 m |
| Circle - 200.0 mm | 360 m | Total Length | 21,004 m |

Hydraulic Model Inventory: Zone X Part I.stsw

Circle Inventory

Circle - 250.0 mm

1,388 m

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5505 | MH-5503 | MH-3774 | 485.51 | 484.36 | 484.24 | 150.0 | 26 | 1.00 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3774 | MH-3774 | MH-3775 | 485.40 | 484.24 | 483.81 | 150.0 | 32 | 1.00 | 74.72 | 0.010 | 0.45 | 0.03 |
| CO-3775 | MH-3775 | MH-3776 | 484.96 | 483.81 | 483.59 | 150.0 | 30 | 1.00 | 133.50 | 0.010 | 0.41 | 0.04 |
| CO-3776 | MH-3776 | MH-3777 | 484.74 | 483.59 | 483.26 | 150.0 | 32 | 1.00 | 97.36 | 0.010 | 0.50 | 0.05 |
| CO-3777 | MH-3777 | MH-3778 | 484.41 | 483.26 | 482.75 | 150.0 | 33 | 1.00 | 64.46 | 0.010 | 0.62 | 0.06 |
| CO-5563 | MH-5501 | MH-5557 | 486.12 | 483.91 | 484.49 | 150.0 | 38 | 1.53 | 65.20 | 0.010 | 0.38 | 0.01 |
| CO-5502 | MH-5501 | MH-5502 | 486.12 | 483.91 | 483.39 | 150.0 | 20 | 1.53 | 40.00 | 0.010 | 0.55 | 0.02 |
| CO-5503 | MH-5502 | MH-3778 | 484.54 | 483.39 | 482.75 | 150.0 | 26 | 1.00 | 40.46 | 0.010 | 0.63 | 0.04 |
| CO-3778 | MH-3778 | MH-3779 | 483.90 | 482.75 | 482.61 | 150.0 | 29 | 1.00 | 221.44 | 0.010 | 0.48 | 0.11 |
| CO-3779 | MH-3779 | MH-3780 | 483.76 | 482.61 | 482.17 | 150.0 | 31 | 1.00 | 69.79 | 0.010 | 0.74 | 0.13 |
| CO-3780 | MH-3780 | MH-3781 | 483.32 | 482.17 | 482.02 | 150.0 | 29 | 1.00 | 185.89 | 0.010 | 0.54 | 0.14 |
| CO-3781 | MH-3781 | MH-3782 | 483.17 | 482.02 | 481.64 | 150.0 | 31 | 1.00 | 83.15 | 0.010 | 0.74 | 0.15 |
| CO-3782 | MH-3782 | MH-3783 | 482.79 | 481.64 | 481.35 | 150.0 | 29 | 1.00 | 99.99 | 0.010 | 0.71 | 0.16 |
| CO-3783 | MH-3783 | MH-3784 | 482.50 | 481.35 | 481.07 | 150.0 | 31 | 1.00 | 111.47 | 0.010 | 0.69 | 0.18 |
| CO-3784 | MH-3784 | MH-3785 | 482.22 | 481.07 | 480.85 | 150.0 | 27 | 1.00 | 127.32 | 0.010 | 0.68 | 0.19 |
| CO-3785 | MH-3785 | MH-3786 | 482.00 | 480.85 | 480.54 | 150.0 | 31 | 1.00 | 99.36 | 0.010 | 0.75 | 0.20 |
| CO-3786 | MH-3786 | MH-3787 | 481.69 | 480.54 | 480.30 | 150.0 | 31 | 1.00 | 127.26 | 0.010 | 0.70 | 0.21 |
| CO-3787 | MH-3787 | MH-3757 | 481.45 | 480.30 | 480.19 | 150.0 | 36 | 1.04 | 327.22 | 0.010 | 0.51 | 0.23 |
| CO-5567 | MH-5559 | MH-5560 | 482.71 | 480.72 | 480.87 | 150.0 | 32 | 1.42 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5566 | MH-3752 | MH-5559 | 483.26 | 480.64 | 480.72 | 150.0 | 31 | 2.16 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-3751 | MH-3752 | MH-3753 | 483.26 | 480.64 | 480.57 | 150.0 | 32 | 2.72 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3752 | MH-3753 | MH-3751 | 483.69 | 480.57 | 480.50 | 150.0 | 29 | 3.04 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-5692 | MH-5662 | MH-5556 | 484.33 | 483.18 | 483.04 | 150.0 | 20 | 1.00 | 137.38 | 0.010 | 0.29 | 0.01 |
| CO-5561 | MH-5556 | MH-3751 | 484.19 | 483.04 | 482.61 | 150.0 | 30 | 1.00 | 71.83 | 0.010 | 0.45 | 0.02 |
| CO-3753 | MH-3751 | MH-3754 | 483.76 | 480.50 | 480.45 | 150.0 | 24 | 2.98 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3754 | MH-3754 | MH-3749 | 483.44 | 480.45 | 480.41 | 150.0 | 16 | 2.75 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3731 | MH-3731 | MH-3732 | 487.68 | 486.53 | 486.35 | 150.0 | 39 | 1.16 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3732 | MH-3732 | MH-3733 | 487.82 | 486.35 | 485.91 | 150.0 | 21 | 1.16 | 48.72 | 0.010 | 0.52 | 0.03 |
| CO-3733 | MH-3733 | MH-3734 | 487.06 | 485.91 | 485.59 | 150.0 | 29 | 1.00 | 87.35 | 0.010 | 0.48 | 0.04 |
| CO-3734 | MH-3734 | MH-3735 | 486.74 | 485.59 | 485.21 | 150.0 | 29 | 1.00 | 76.14 | 0.010 | 0.55 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3735 | MH-3735 | MH-3723 | 486.36 | 485.21 | 485.01 | 150.0 | 27 | 1.00 | 141.11 | 0.010 | 0.47 | 0.06 |
| CO-3715 | MH-3714 | MH-3715 | 488.20 | 487.05 | 486.92 | 150.0 | 29 | 1.02 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3716 | MH-3715 | MH-3716 | 488.10 | 486.92 | 486.79 | 150.0 | 33 | 1.02 | 268.74 | 0.010 | 0.29 | 0.03 |
| CO-3717 | MH-3716 | MH-3717 | 487.94 | 486.79 | 486.72 | 150.0 | 30 | 1.00 | 380.52 | 0.010 | 0.28 | 0.04 |
| CO-3718 | MH-3717 | MH-3718 | 487.87 | 486.72 | 486.52 | 150.0 | 29 | 1.00 | 151.33 | 0.010 | 0.43 | 0.05 |
| CO-3719 | MH-3718 | MH-3719 | 487.67 | 486.52 | 486.31 | 150.0 | 30 | 1.00 | 145.40 | 0.010 | 0.47 | 0.06 |
| CO-3720 | MH-3719 | MH-3720 | 487.46 | 486.31 | 486.01 | 150.0 | 33 | 1.00 | 106.29 | 0.010 | 0.55 | 0.08 |
| CO-3721 | MH-3720 | MH-3721 | 487.16 | 486.01 | 485.61 | 150.0 | 35 | 1.00 | 87.62 | 0.010 | 0.62 | 0.09 |
| CO-3722 | MH-3721 | MH-3722 | 486.76 | 485.61 | 485.31 | 150.0 | 31 | 1.00 | 103.94 | 0.010 | 0.60 | 0.10 |
| CO-3723 | MH-3722 | MH-3723 | 486.46 | 485.31 | 485.01 | 150.0 | 27 | 1.00 | 89.74 | 0.010 | 0.66 | 0.11 |
| CO-3736 | MH-3723 | MH-3736 | 486.16 | 485.01 | 484.94 | 150.0 | 11 | 1.00 | 147.06 | 0.010 | 0.64 | 0.19 |
| CO-3739 | MH-3736 | MH-3739 | 486.09 | 484.94 | 484.82 | 150.0 | 16 | 1.00 | 130.13 | 0.010 | 0.68 | 0.20 |
| CO-3740 | MH-3739 | MH-3740 | 485.97 | 484.82 | 484.59 | 150.0 | 29 | 1.00 | 125.77 | 0.010 | 0.70 | 0.21 |
| CO-3741 | MH-3740 | MH-3741 | 485.74 | 484.59 | 484.12 | 150.0 | 35 | 1.00 | 73.75 | 0.010 | 0.86 | 0.23 |
| CO-3742 | MH-3741 | MH-3742 | 485.27 | 484.12 | 483.88 | 150.0 | 31 | 1.00 | 133.47 | 0.010 | 0.71 | 0.24 |
| CO-3743 | MH-3742 | MH-3743 | 485.03 | 483.88 | 483.65 | 150.0 | 28 | 1.00 | 119.07 | 0.010 | 0.75 | 0.25 |
| CO-3744 | MH-3743 | MH-3744 | 484.80 | 483.65 | 483.26 | 150.0 | 29 | 1.00 | 74.60 | 0.010 | 0.90 | 0.26 |
| CO-3745 | MH-3744 | MH-3745 | 484.41 | 483.26 | 483.10 | 150.0 | 28 | 1.00 | 170.95 | 0.010 | 0.68 | 0.28 |
| CO-3746 | MH-3745 | MH-3746 | 484.25 | 483.10 | 482.79 | 150.0 | 31 | 1.00 | 99.05 | 0.010 | 0.84 | 0.29 |
| CO-3747 | MH-3746 | MH-3747 | 483.94 | 482.79 | 482.56 | 150.0 | 29 | 1.00 | 129.53 | 0.010 | 0.77 | 0.30 |
| CO-3748 | MH-3747 | MH-3748 | 483.71 | 482.56 | 482.31 | 150.0 | 29 | 1.00 | 115.17 | 0.010 | 0.81 | 0.31 |
| CO-3749 | MH-3748 | MH-3749 | 483.46 | 482.31 | 482.07 | 150.0 | 30 | 1.00 | 127.26 | 0.010 | 0.79 | 0.33 |
| CO-3755 | MH-3749 | MH-3755 | 483.22 | 480.41 | 480.34 | 150.0 | 32 | 2.36 | 450.00 | 0.010 | 0.54 | 0.44 |
| CO-3756 | MH-3755 | MH-3756 | 482.54 | 480.34 | 480.26 | 150.0 | 38 | 1.66 | 450.00 | 0.010 | 0.54 | 0.45 |
| CO-3757 | MH-3756 | MH-3757 | 481.68 | 480.26 | 480.19 | 150.0 | 29 | 1.18 | 450.00 | 0.010 | 0.55 | 0.46 |
| CO-3788 | MH-3757 | MH-3788 | 481.42 | 480.19 | 480.07 | 150.0 | 37 | 1.04 | 313.21 | 0.010 | 0.69 | 0.70 |
| CO-3789 | MH-3788 | MH-5621 | 481.22 | 480.07 | 480.00 | 150.0 | 34 | 1.02 | 450.00 | 0.010 | 0.60 | 0.71 |
| CO-5564 | MH-3791 | MH-5558 | 484.05 | 482.90 | 483.50 | 150.0 | 31 | 1.00 | 51.54 | 0.010 | 0.41 | 0.01 |
| CO-3791 | MH-3791 | MH-3792 | 484.05 | 482.90 | 482.51 | 150.0 | 30 | 1.00 | 77.24 | 0.010 | 0.44 | 0.02 |
| CO-3792 | MH-3792 | MH-3793 | 483.66 | 482.51 | 482.13 | 150.0 | 30 | 1.00 | 81.28 | 0.010 | 0.49 | 0.04 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3793 | MH-3793 | MH-3794 | 483.28 | 482.13 | 482.03 | 150.0 | 28 | 1.00 | 262.38 | 0.010 | 0.35 | 0.05 |
| CO-3794 | MH-3794 | MH-3795 | 483.18 | 482.03 | 481.96 | 150.0 | 27 | 1.00 | 382.80 | 0.010 | 0.33 | 0.06 |
| CO-3795 | MH-3795 | MH-3796 | 483.11 | 481.96 | 481.85 | 150.0 | 33 | 1.00 | 309.28 | 0.010 | 0.38 | 0.08 |
| CO-3796 | MH-3796 | MH-3797 | 483.00 | 481.85 | 481.54 | 150.0 | 30 | 1.00 | 97.56 | 0.010 | 0.59 | 0.09 |
| CO-3797 | MH-3797 | MH-3798 | 482.69 | 481.54 | 481.02 | 150.0 | 28 | 1.00 | 53.73 | 0.010 | 0.76 | 0.10 |
| CO-3798 | MH-3798 | MH-3799 | 482.17 | 481.02 | 480.81 | 150.0 | 29 | 1.00 | 134.14 | 0.010 | 0.57 | 0.11 |
| CO-3799 | MH-3799 | MH-3800 | 481.96 | 480.81 | 480.58 | 150.0 | 30 | 1.00 | 132.16 | 0.010 | 0.59 | 0.13 |
| CO-3800 | MH-3800 | MH-3801 | 481.73 | 480.58 | 480.28 | 150.0 | 32 | 1.00 | 109.64 | 0.010 | 0.65 | 0.14 |
| CO-3801 | MH-3801 | MH-3790 | 481.43 | 480.28 | 480.09 | 150.0 | 32 | 1.00 | 170.14 | 0.010 | 0.57 | 0.15 |
| CO-5568 | MH-3915 | MH-5561 | 481.50 | 479.89 | 480.04 | 150.0 | 33 | 1.23 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3915 | MH-3914 | MH-3915 | 481.75 | 479.81 | 479.89 | 150.0 | 29 | 1.63 | 391.29 | 0.010 | 0.25 | 0.02 |
| CO-3914 | MH-3914 | MH-3804 | 481.75 | 479.75 | 479.81 | 150.0 | 28 | 1.93 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5735 | MH-5671 | MH-5692 | 483.91 | 482.76 | 482.62 | 150.0 | 29 | 1.02 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5737 | MH-5692 | MH-5693 | 483.81 | 482.62 | 482.47 | 150.0 | 30 | 1.02 | 201.76 | 0.010 | 0.31 | 0.02 |
| CO-5738 | MH-5693 | MH-5672 | 483.62 | 482.47 | 482.26 | 150.0 | 33 | 1.00 | 155.31 | 0.010 | 0.39 | 0.04 |
| CO-5709 | MH-5672 | MH-3908 | 483.41 | 482.26 | 482.16 | 150.0 | 15 | 1.00 | 151.85 | 0.010 | 0.43 | 0.05 |
| CO-3898 | MH-3899 | MH-3900 | 485.29 | 484.14 | 483.79 | 150.0 | 34 | 1.00 | 95.75 | 0.010 | 0.33 | 0.01 |
| CO-3899 | MH-3900 | MH-3901 | 484.94 | 483.79 | 483.69 | 150.0 | 25 | 1.00 | 248.25 | 0.010 | 0.29 | 0.03 |
| CO-3900 | MH-3901 | MH-3902 | 484.84 | 483.69 | 483.34 | 150.0 | 32 | 1.00 | 90.31 | 0.010 | 0.47 | 0.04 |
| CO-3901 | MH-3902 | MH-3903 | 484.49 | 483.34 | 483.08 | 150.0 | 25 | 1.00 | 97.74 | 0.010 | 0.50 | 0.05 |
| CO-3902 | MH-3903 | MH-3904 | 484.23 | 483.08 | 482.91 | 150.0 | 26 | 1.00 | 148.52 | 0.010 | 0.47 | 0.06 |
| CO-3903 | MH-3904 | MH-3905 | 484.06 | 482.91 | 482.72 | 150.0 | 24 | 1.00 | 129.18 | 0.010 | 0.51 | 0.08 |
| CO-3904 | MH-3905 | MH-3898 | 483.87 | 482.72 | 482.45 | 150.0 | 29 | 1.00 | 105.09 | 0.010 | 0.58 | 0.09 |
| CO-5725 | MH-5670 | MH-5687 | 485.92 | 484.77 | 484.55 | 150.0 | 31 | 1.00 | 140.28 | 0.010 | 0.29 | 0.01 |
| CO-5727 | MH-5687 | MH-5688 | 485.70 | 484.55 | 484.35 | 150.0 | 32 | 1.00 | 167.98 | 0.010 | 0.34 | 0.02 |
| CO-5729 | MH-5688 | MH-5689 | 485.50 | 484.35 | 484.19 | 150.0 | 27 | 1.00 | 167.98 | 0.010 | 0.38 | 0.04 |
| CO-5730 | MH-5689 | MH-3887 | 485.34 | 484.19 | 484.02 | 150.0 | 29 | 1.00 | 167.98 | 0.010 | 0.41 | 0.05 |
| CO-3881 | MH-3881 | MH-3882 | 487.24 | 486.09 | 485.93 | 150.0 | 33 | 1.00 | 209.37 | 0.010 | 0.25 | 0.01 |
| CO-3882 | MH-3882 | MH-3883 | 487.08 | 485.93 | 485.66 | 150.0 | 28 | 1.00 | 104.68 | 0.010 | 0.40 | 0.03 |
| CO-3883 | MH-3883 | MH-3884 | 486.81 | 485.66 | 485.29 | 150.0 | 30 | 1.00 | 80.19 | 0.010 | 0.49 | 0.04 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3884 | MH-3884 | MH-3885 | 486.44 | 485.29 | 484.95 | 150.0 | 25 | 1.00 | 73.74 | 0.010 | 0.55 | 0.05 |
| CO-3885 | MH-3885 | MH-3886 | 486.10 | 484.95 | 484.50 | 150.0 | 39 | 1.00 | 86.35 | 0.010 | 0.56 | 0.06 |
| CO-3886 | MH-3886 | MH-3887 | 485.65 | 484.50 | 484.02 | 150.0 | 37 | 1.00 | 76.64 | 0.010 | 0.62 | 0.08 |
| CO-3887 | MH-3887 | MH-3888 | 485.17 | 484.02 | 483.91 | 150.0 | 17 | 1.00 | 156.64 | 0.010 | 0.57 | 0.14 |
| CO-3888 | MH-3889 | MH-3890 | 486.77 | 485.62 | 485.43 | 150.0 | 27 | 1.00 | 141.51 | 0.010 | 0.29 | 0.01 |
| CO-3889 | MH-3890 | MH-3891 | 486.58 | 485.43 | 485.08 | 150.0 | 30 | 1.00 | 84.10 | 0.010 | 0.43 | 0.03 |
| CO-3890 | MH-3891 | MH-3892 | 486.23 | 485.08 | 484.83 | 150.0 | 28 | 1.00 | 109.06 | 0.010 | 0.44 | 0.04 |
| CO-3891 | MH-3892 | MH-3893 | 485.98 | 484.83 | 484.67 | 150.0 | 30 | 1.00 | 198.50 | 0.010 | 0.39 | 0.05 |
| CO-3892 | MH-3893 | MH-3894 | 485.82 | 484.67 | 484.45 | 150.0 | 32 | 1.00 | 145.33 | 0.010 | 0.47 | 0.06 |
| CO-3893 | MH-3894 | MH-3895 | 485.60 | 484.45 | 484.20 | 150.0 | 28 | 1.00 | 109.64 | 0.010 | 0.54 | 0.08 |
| CO-3894 | MH-3895 | MH-3888 | 485.35 | 484.20 | 483.91 | 150.0 | 21 | 1.00 | 73.54 | 0.010 | 0.66 | 0.09 |
| CO-3895 | MH-3888 | MH-3896 | 485.06 | 483.91 | 483.39 | 150.0 | 34 | 1.00 | 65.57 | 0.010 | 0.91 | 0.24 |
| CO-3896 | MH-3896 | MH-3897 | 484.54 | 483.39 | 482.93 | 150.0 | 28 | 1.00 | 61.98 | 0.010 | 0.95 | 0.25 |
| CO-3897 | MH-3897 | MH-3898 | 484.08 | 482.93 | 482.45 | 150.0 | 31 | 1.00 | 63.77 | 0.010 | 0.95 | 0.26 |
| CO-5565 | MH-3908 | MH-3898 | 483.31 | 482.16 | 482.45 | 150.0 | 24 | 1.00 | 84.96 | 0.010 | 0.94 | 0.36 |
| CO-3911 | MH-3908 | MH-3912 | 483.31 | 482.16 | 481.60 | 150.0 | 25 | 1.00 | 44.02 | 0.010 | 1.25 | 0.43 |
| CO-3912 | MH-3912 | MH-3913 | 482.75 | 481.60 | 481.18 | 150.0 | 25 | 1.00 | 59.82 | 0.010 | 1.13 | 0.44 |
| CO-3913 | MH-3913 | MH-3804 | 482.33 | 481.18 | 480.82 | 150.0 | 23 | 1.00 | 63.93 | 0.010 | 1.11 | 0.45 |
| CO-3865 | MH-3866 | MH-3867 | 486.51 | 485.36 | 484.80 | 150.0 | 32 | 1.00 | 57.19 | 0.010 | 0.40 | 0.01 |
| CO-3866 | MH-3867 | MH-3868 | 485.95 | 484.80 | 484.07 | 150.0 | 37 | 1.00 | 51.24 | 0.010 | 0.51 | 0.03 |
| CO-3867 | MH-3868 | MH-3869 | 485.22 | 484.07 | 483.53 | 150.0 | 27 | 1.00 | 49.05 | 0.010 | 0.59 | 0.04 |
| CO-3868 | MH-3869 | MH-3870 | 484.68 | 483.53 | 482.90 | 150.0 | 29 | 1.00 | 46.92 | 0.010 | 0.65 | 0.05 |
| CO-3869 | MH-3870 | MH-3862 | 484.05 | 482.90 | 482.26 | 150.0 | 39 | 1.00 | 60.09 | 0.010 | 0.64 | 0.06 |
| CO-3814 | MH-3815 | MH-3816 | 484.70 | 483.55 | 483.41 | 150.0 | 31 | 1.11 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3815 | MH-3816 | MH-3817 | 484.77 | 483.41 | 483.33 | 150.0 | 32 | 1.23 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3816 | MH-3817 | MH-3818 | 484.73 | 483.33 | 483.27 | 150.0 | 26 | 1.26 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3817 | MH-3818 | MH-3819 | 484.68 | 483.27 | 483.20 | 150.0 | 30 | 1.31 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3818 | MH-3819 | MH-3820 | 484.70 | 483.20 | 483.15 | 150.0 | 25 | 1.42 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3819 | MH-3820 | MH-3814 | 484.79 | 483.15 | 483.09 | 150.0 | 25 | 1.57 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3805 | MH-3805 | MH-3806 | 488.21 | 487.06 | 486.65 | 150.0 | 32 | 1.00 | 76.62 | 0.010 | 0.36 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3806 | MH-3806 | MH-3807 | 487.80 | 486.65 | 486.09 | 150.0 | 30 | 1.00 | 54.20 | 0.010 | 0.50 | 0.03 |
| CO-3807 | MH-3807 | MH-3808 | 487.24 | 486.09 | 485.55 | 150.0 | 29 | 1.00 | 53.53 | 0.010 | 0.57 | 0.04 |
| CO-3808 | MH-3808 | MH-3809 | 486.70 | 485.55 | 485.01 | 150.0 | 33 | 1.00 | 60.00 | 0.010 | 0.60 | 0.05 |
| CO-3809 | MH-3809 | MH-3810 | 486.16 | 485.01 | 484.57 | 150.0 | 36 | 1.00 | 81.75 | 0.010 | 0.57 | 0.06 |
| CO-3772 | MH-3763 | MH-3773 | 485.62 | 484.47 | 484.24 | 150.0 | 36 | 1.00 | 157.02 | 0.010 | 0.28 | 0.01 |
| CO-3771 | MH-3773 | MH-3772 | 485.39 | 484.24 | 484.16 | 150.0 | 35 | 1.04 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3770 | MH-3772 | MH-3766 | 485.39 | 484.16 | 484.09 | 150.0 | 28 | 1.32 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3766 | MH-3768 | MH-3769 | 487.36 | 486.21 | 485.86 | 150.0 | 27 | 1.00 | 77.98 | 0.010 | 0.36 | 0.01 |
| CO-3767 | MH-3769 | MH-3770 | 487.01 | 485.86 | 485.42 | 150.0 | 28 | 1.00 | 64.80 | 0.010 | 0.47 | 0.03 |
| CO-3768 | MH-3770 | MH-3771 | 486.57 | 485.42 | 484.94 | 150.0 | 30 | 1.00 | 62.68 | 0.010 | 0.53 | 0.04 |
| CO-3769 | MH-3771 | MH-3766 | 486.09 | 484.94 | 484.65 | 150.0 | 29 | 1.00 | 100.92 | 0.010 | 0.50 | 0.05 |
| CO-3764 | MH-3766 | MH-3765 | 485.80 | 484.09 | 484.01 | 150.0 | 39 | 1.64 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3763 | MH-3765 | MH-3764 | 485.87 | 484.01 | 483.94 | 150.0 | 28 | 1.66 | 450.00 | 0.010 | 0.37 | 0.11 |
| CO-5504 | MH-3764 | MH-3810 | 485.71 | 483.94 | 483.88 | 150.0 | 29 | 1.65 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3810 | MH-3810 | MH-3811 | 485.72 | 483.88 | 483.82 | 150.0 | 29 | 1.55 | 450.00 | 0.010 | 0.44 | 0.20 |
| CO-3811 | MH-3811 | MH-3812 | 485.38 | 483.82 | 483.76 | 150.0 | 24 | 1.36 | 450.00 | 0.010 | 0.45 | 0.21 |
| CO-3812 | MH-3812 | MH-3813 | 485.21 | 483.76 | 483.70 | 150.0 | 28 | 1.20 | 450.00 | 0.010 | 0.45 | 0.23 |
| CO-3813 | MH-3813 | MH-3814 | 484.95 | 483.70 | 483.66 | 150.0 | 18 | 1.09 | 450.00 | 0.010 | 0.46 | 0.24 |
| CO-3820 | MH-3814 | MH-3821 | 484.88 | 483.09 | 483.01 | 150.0 | 37 | 1.57 | 450.00 | 0.010 | 0.50 | 0.33 |
| CO-3848 | MH-3851 | MH-3852 | 486.72 | 485.57 | 485.36 | 150.0 | 32 | 1.00 | 157.19 | 0.010 | 0.28 | 0.01 |
| CO-3849 | MH-3852 | MH-3850 | 486.51 | 485.36 | 485.28 | 150.0 | 33 | 1.07 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3838 | MH-3841 | MH-3842 | 489.22 | 488.07 | 487.89 | 150.0 | 28 | 1.00 | 150.88 | 0.010 | 0.28 | 0.01 |
| CO-3839 | MH-3842 | MH-3843 | 489.04 | 487.89 | 487.79 | 150.0 | 31 | 1.00 | 300.94 | 0.010 | 0.27 | 0.03 |
| CO-3840 | MH-3843 | MH-3844 | 488.94 | 487.79 | 487.58 | 150.0 | 28 | 1.00 | 139.97 | 0.010 | 0.41 | 0.04 |
| CO-3841 | MH-3844 | MH-3845 | 488.73 | 487.58 | 487.51 | 150.0 | 33 | 1.02 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3842 | MH-3845 | MH-3846 | 488.69 | 487.51 | 487.19 | 150.0 | 29 | 1.02 | 89.61 | 0.010 | 0.55 | 0.06 |
| CO-3843 | MH-3846 | MH-3847 | 488.34 | 487.19 | 486.92 | 150.0 | 29 | 1.00 | 104.61 | 0.010 | 0.55 | 0.08 |
| CO-3844 | MH-3847 | MH-3840 | 488.07 | 486.92 | 486.61 | 150.0 | 28 | 1.00 | 94.11 | 0.010 | 0.60 | 0.09 |
| CO-3831 | MH-3833 | MH-3834 | 490.53 | 489.38 | 488.84 | 150.0 | 34 | 1.00 | 63.75 | 0.010 | 0.38 | 0.01 |
| CO-3832 | MH-3834 | MH-3835 | 489.99 | 488.84 | 488.22 | 150.0 | 29 | 1.00 | 46.38 | 0.010 | 0.52 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3833 | MH-3835 | MH-3836 | 489.37 | 488.22 | 487.82 | 150.0 | 33 | 1.00 | 84.28 | 0.010 | 0.48 | 0.04 |
| CO-3834 | MH-3836 | MH-3837 | 488.97 | 487.82 | 487.53 | 150.0 | 28 | 1.00 | 93.28 | 0.010 | 0.51 | 0.05 |
| CO-3835 | MH-3837 | MH-3838 | 488.68 | 487.53 | 487.16 | 150.0 | 31 | 1.00 | 84.04 | 0.010 | 0.57 | 0.06 |
| CO-3836 | MH-3838 | MH-3839 | 488.31 | 487.16 | 486.79 | 150.0 | 27 | 1.00 | 72.75 | 0.010 | 0.63 | 0.08 |
| CO-3837 | MH-3839 | MH-3840 | 487.94 | 486.79 | 486.61 | 150.0 | 29 | 1.00 | 160.62 | 0.010 | 0.50 | 0.09 |
| CO-3845 | MH-3840 | MH-3848 | 487.76 | 486.61 | 486.24 | 150.0 | 32 | 1.00 | 86.76 | 0.010 | 0.78 | 0.19 |
| CO-3846 | MH-3848 | MH-3849 | 487.39 | 486.24 | 485.78 | 150.0 | 31 | 1.00 | 66.87 | 0.010 | 0.87 | 0.20 |
| CO-3847 | MH-3849 | MH-3850 | 486.93 | 485.78 | 485.28 | 150.0 | 24 | 1.07 | 48.36 | 0.010 | 0.99 | 0.21 |
| CO-3850 | MH-3850 | MH-3853 | 486.57 | 485.28 | 484.96 | 150.0 | 23 | 1.07 | 73.36 | 0.010 | 0.90 | 0.25 |
| CO-3851 | MH-3853 | MH-3854 | 486.11 | 484.96 | 484.58 | 150.0 | 29 | 1.00 | 73.94 | 0.010 | 0.90 | 0.26 |
| CO-3852 | MH-3854 | MH-3832 | 485.73 | 484.58 | 484.37 | 150.0 | 44 | 1.00 | 209.93 | 0.010 | 0.63 | 0.28 |
| CO-3821 | MH-3822 | MH-3823 | 488.35 | 487.20 | 486.82 | 150.0 | 23 | 1.00 | 60.42 | 0.010 | 0.39 | 0.01 |
| CO-3822 | MH-3823 | MH-3824 | 487.97 | 486.82 | 486.38 | 150.0 | 29 | 1.00 | 64.66 | 0.010 | 0.47 | 0.03 |
| CO-3823 | MH-3824 | MH-3825 | 487.53 | 486.38 | 486.09 | 150.0 | 30 | 1.00 | 101.92 | 0.010 | 0.45 | 0.04 |
| CO-3824 | MH-3825 | MH-3826 | 487.24 | 486.09 | 485.85 | 150.0 | 29 | 1.00 | 119.86 | 0.010 | 0.47 | 0.05 |
| CO-3825 | MH-3826 | MH-3827 | 487.00 | 485.85 | 485.71 | 150.0 | 32 | 1.00 | 235.22 | 0.010 | 0.39 | 0.06 |
| CO-3826 | MH-3827 | MH-3828 | 486.86 | 485.71 | 485.53 | 150.0 | 27 | 1.00 | 149.17 | 0.010 | 0.49 | 0.08 |
| CO-3827 | MH-3828 | MH-3829 | 486.68 | 485.53 | 485.28 | 150.0 | 32 | 1.00 | 123.66 | 0.010 | 0.55 | 0.09 |
| CO-3828 | MH-3829 | MH-3830 | 486.43 | 485.28 | 485.01 | 150.0 | 31 | 1.00 | 117.86 | 0.010 | 0.58 | 0.10 |
| CO-3829 | MH-3830 | MH-3831 | 486.16 | 485.01 | 484.76 | 150.0 | 28 | 1.00 | 111.26 | 0.010 | 0.61 | 0.11 |
| CO-3830 | MH-3831 | MH-3832 | 485.91 | 484.76 | 484.37 | 150.0 | 30 | 1.00 | 76.82 | 0.010 | 0.72 | 0.13 |
| CO-3853 | MH-3832 | MH-3855 | 485.52 | 484.37 | 484.22 | 150.0 | 18 | 1.00 | 122.96 | 0.010 | 0.86 | 0.41 |
| CO-3854 | MH-3855 | MH-3856 | 485.37 | 484.22 | 483.89 | 150.0 | 27 | 1.00 | 81.52 | 0.010 | 1.00 | 0.43 |
| CO-3855 | MH-3856 | MH-3857 | 485.04 | 483.89 | 483.60 | 150.0 | 27 | 1.00 | 94.56 | 0.010 | 0.96 | 0.44 |
| CO-3856 | MH-3857 | MH-3821 | 484.75 | 483.60 | 483.01 | 150.0 | 24 | 1.25 | 41.38 | 0.010 | 1.30 | 0.45 |
| CO-3859 | MH-3821 | MH-3860 | 484.66 | 482.99 | 482.90 | 170.0 | 42 | 1.27 | 450.00 | 0.010 | 0.62 | 0.79 |
| CO-3860 | MH-3860 | MH-3861 | 484.11 | 482.90 | 482.60 | 170.0 | 29 | 1.02 | 98.71 | 0.010 | 1.11 | 0.80 |
| CO-3861 | MH-3861 | MH-3862 | 483.77 | 482.60 | 482.24 | 170.0 | 34 | 1.00 | 95.90 | 0.010 | 1.12 | 0.82 |
| CO-3873 | MH-3862 | MH-3874 | 483.41 | 482.24 | 482.07 | 170.0 | 27 | 1.00 | 157.38 | 0.010 | 0.96 | 0.89 |
| CO-3874 | MH-3874 | MH-3875 | 483.24 | 482.07 | 482.01 | 170.0 | 24 | 1.01 | 450.00 | 0.010 | 0.64 | 0.90 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3875 | MH-3875 | MH-3876 | 483.21 | 482.01 | 481.95 | 170.0 | 29 | 1.01 | 441.60 | 0.010 | 0.64 | 0.92 |
| CO-3876 | MH-3876 | MH-3877 | 483.12 | 481.95 | 481.71 | 170.0 | 30 | 1.00 | 126.03 | 0.010 | 1.05 | 0.93 |
| CO-3877 | MH-3877 | MH-3878 | 482.88 | 481.71 | 481.50 | 170.0 | 30 | 1.00 | 139.71 | 0.010 | 1.01 | 0.94 |
| CO-3878 | MH-3878 | MH-3879 | 482.67 | 481.50 | 481.10 | 170.0 | 29 | 1.00 | 73.33 | 0.010 | 1.29 | 0.95 |
| CO-3879 | MH-3879 | MH-3880 | 482.27 | 481.10 | 480.90 | 170.0 | 31 | 1.00 | 155.58 | 0.010 | 0.98 | 0.97 |
| CO-3880 | MH-3880 | MH-3804 | 482.07 | 480.90 | 480.80 | 170.0 | 24 | 1.00 | 230.69 | 0.010 | 0.85 | 0.98 |
| CO-3804 | MH-3804 | MH-3803 | 481.97 | 479.59 | 479.73 | 170.0 | 27 | 1.94 | 200.00 | 0.010 | 0.97 | 1.48 |
| CO-3803 | MH-3802 | MH-3803 | 481.31 | 479.42 | 479.59 | 170.0 | 34 | 1.76 | 200.00 | 0.010 | 0.97 | 1.49 |
| CO-3802 | MH-3790 | MH-3802 | 481.24 | 479.27 | 479.42 | 170.0 | 31 | 1.76 | 200.00 | 0.010 | 0.97 | 1.51 |
| CO-3790 | MH-5621 | MH-3790 | 481.19 | 479.13 | 479.27 | 170.0 | 28 | 1.85 | 200.00 | 0.010 | 0.98 | 1.67 |
| CO-5643 | MH-5621 | MH-5622 | 481.19 | 479.13 | 478.46 | 170.0 | 46 | 1.45 | 68.42 | 0.010 | 1.65 | 2.40 |
| CO-5644 | MH-5622 | MH-5623 | 479.63 | 478.43 | 478.23 | 200.0 | 26 | 1.00 | 132.94 | 0.010 | 1.29 | 2.41 |
| CO-5645 | MH-5623 | MH-5624 | 479.43 | 478.18 | 478.13 | 250.0 | 25 | 1.21 | 450.00 | 0.010 | 0.82 | 2.42 |
| CO-5646 | MH-5624 | MH-5625 | 479.79 | 478.13 | 477.78 | 250.0 | 29 | 1.21 | 83.84 | 0.010 | 1.55 | 2.43 |
| CO-5647 | MH-5625 | MH-5626 | 479.03 | 477.78 | 477.71 | 250.0 | 31 | 1.07 | 450.00 | 0.010 | 0.82 | 2.44 |
| CO-5648 | MH-5626 | MH-5627 | 479.11 | 477.71 | 477.11 | 250.0 | 49 | 1.07 | 82.04 | 0.010 | 1.56 | 2.46 |
| CO-5649 | MH-5627 | MH-5628 | 478.36 | 477.11 | 476.67 | 250.0 | 43 | 1.00 | 95.45 | 0.010 | 1.48 | 2.47 |
| CO-5650 | MH-5628 | MH-5629 | 477.92 | 476.67 | 476.26 | 250.0 | 52 | 1.00 | 127.12 | 0.010 | 1.34 | 2.48 |
| CO-5651 | MH-5629 | MH-5630 | 477.51 | 476.26 | 475.78 | 250.0 | 32 | 1.00 | 66.81 | 0.010 | 1.69 | 2.49 |
| CO-5652 | MH-5630 | MH-5631 | 477.03 | 475.78 | 475.67 | 250.0 | 36 | 1.00 | 351.02 | 0.010 | 0.91 | 2.51 |
| CO-5653 | MH-5631 | MH-5632 | 476.92 | 475.67 | 475.20 | 250.0 | 39 | 1.00 | 82.17 | 0.010 | 1.57 | 2.52 |
| CO-5654 | MH-5632 | MH-5633 | 476.45 | 475.20 | 474.99 | 250.0 | 22 | 1.00 | 105.67 | 0.010 | 1.44 | 2.53 |
| CO-5655 | MH-5633 | MH-5634 | 476.24 | 474.99 | 474.85 | 250.0 | 27 | 1.00 | 191.82 | 0.010 | 1.15 | 2.54 |
| CO-5656 | MH-5634 | MH-5635 | 476.10 | 474.85 | 474.76 | 250.0 | 18 | 1.00 | 195.37 | 0.010 | 1.15 | 2.56 |
| CO-5657 | MH-5635 | MH-5636 | 476.01 | 474.76 | 474.70 | 250.0 | 26 | 1.10 | 450.00 | 0.010 | 0.83 | 2.57 |
| CO-5658 | MH-5636 | MH-5637 | 476.16 | 474.70 | 474.65 | 250.0 | 24 | 1.17 | 450.00 | 0.010 | 0.83 | 2.58 |
| CO-5659 | MH-5637 | MH-5638 | 476.04 | 474.65 | 474.17 | 250.0 | 30 | 1.07 | 62.50 | 0.010 | 1.75 | 2.59 |
| CO-5660 | MH-5638 | MH-5639 | 475.42 | 474.17 | 473.88 | 250.0 | 22 | 1.00 | 76.38 | 0.010 | 1.63 | 2.60 |
| CO-5661 | MH-5639 | MH-5640 | 475.13 | 473.88 | 473.69 | 250.0 | 20 | 1.00 | 103.32 | 0.010 | 1.46 | 2.62 |
| CO-5662 | MH-5640 | MH-5641 | 474.94 | 473.69 | 473.66 | 250.0 | 14 | 1.01 | 450.00 | 0.010 | 0.83 | 2.63 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5663 | MH-5641 | MH-5642 | 474.93 | 473.66 | 473.54 | 250.0 | 17 | 1.01 | 146.81 | 0.010 | 1.29 | 2.64 |
| CO-5664 | MH-5642 | MH-5643 | 474.79 | 473.54 | 473.27 | 250.0 | 24 | 1.00 | 88.56 | 0.010 | 1.55 | 2.65 |
| CO-5665 | MH-5643 | MH-5644 | 474.52 | 473.27 | 473.10 | 250.0 | 20 | 1.00 | 119.41 | 0.010 | 1.39 | 2.67 |
| CO-5666 | MH-5644 | MH-5645 | 474.35 | 473.10 | 473.00 | 250.0 | 24 | 1.00 | 235.95 | 0.010 | 1.08 | 2.68 |
| CO-5667 | MH-5645 | MH-5646 | 474.25 | 473.00 | 472.89 | 250.0 | 23 | 1.00 | 219.92 | 0.010 | 1.11 | 2.69 |
| CO-5668 | MH-5646 | MH-5647 | 474.14 | 472.89 | 472.74 | 250.0 | 24 | 1.00 | 167.27 | 0.010 | 1.23 | 2.70 |
| CO-5669 | MH-5647 | MH-5648 | 473.99 | 472.74 | 472.69 | 250.0 | 27 | 1.04 | 450.00 | 0.010 | 0.84 | 2.72 |
| CO-5670 | MH-5648 | MH-5649 | 474.01 | 472.69 | 472.63 | 250.0 | 26 | 1.14 | 450.00 | 0.010 | 0.84 | 2.73 |
| CO-5671 | MH-5649 | MH-5650 | 474.09 | 472.63 | 472.56 | 250.0 | 29 | 1.10 | 446.50 | 0.010 | 0.84 | 2.74 |
| CO-5674 | MH-5650 | MH-5651 | 473.81 | 472.56 | 472.51 | 250.0 | 23 | 1.22 | 450.00 | 0.010 | 0.84 | 2.75 |
| CO-3957 | MH-3957 | MH-3958 | 477.29 | 476.14 | 475.40 | 150.0 | 43 | 1.00 | 57.87 | 0.010 | 0.40 | 0.01 |
| CO-3958 | MH-3958 | MH-3959 | 476.55 | 475.40 | 475.13 | 150.0 | 32 | 1.00 | 116.88 | 0.010 | 0.38 | 0.03 |
| CO-3959 | MH-3959 | MH-3960 | 476.28 | 475.13 | 474.85 | 150.0 | 29 | 1.00 | 104.39 | 0.010 | 0.45 | 0.04 |
| CO-3960 | MH-3960 | MH-3961 | 476.00 | 474.85 | 474.50 | 150.0 | 36 | 1.00 | 101.85 | 0.010 | 0.49 | 0.05 |
| CO-3961 | MH-3961 | MH-3962 | 475.65 | 474.50 | 474.40 | 150.0 | 27 | 1.00 | 257.06 | 0.010 | 0.38 | 0.06 |
| CO-3962 | MH-3962 | MH-3963 | 475.55 | 474.40 | 474.28 | 150.0 | 29 | 1.00 | 259.91 | 0.010 | 0.40 | 0.08 |
| CO-3963 | MH-3963 | MH-3964 | 475.43 | 474.28 | 474.16 | 150.0 | 24 | 1.00 | 195.35 | 0.010 | 0.46 | 0.09 |
| CO-3964 | MH-3964 | MH-3956 | 475.31 | 474.16 | 473.93 | 150.0 | 30 | 1.00 | 129.57 | 0.010 | 0.56 | 0.10 |
| CO-3965 | MH-3956 | MH-3965 | 475.08 | 473.93 | 473.56 | 150.0 | 40 | 1.00 | 107.35 | 0.010 | 0.62 | 0.11 |
| CO-3966 | MH-3965 | MH-3966 | 474.71 | 473.56 | 473.32 | 150.0 | 27 | 1.00 | 114.24 | 0.010 | 0.63 | 0.13 |
| CO-3967 | MH-3966 | MH-3967 | 474.47 | 473.32 | 473.15 | 150.0 | 31 | 1.00 | 177.98 | 0.010 | 0.55 | 0.14 |
| CO-5672 | MH-3967 | MH-5651 | 474.30 | 473.15 | 473.05 | 150.0 | 17 | 1.00 | 169.91 | 0.010 | 0.57 | 0.15 |
| CO-5673 | MH-5651 | MH-3968 | 474.20 | 472.51 | 472.47 | 250.0 | 19 | 1.29 | 450.00 | 0.010 | 0.84 | 2.92 |
| CO-3969 | MH-3968 | MH-3969 | 473.87 | 472.47 | 472.42 | 250.0 | 23 | 1.16 | 450.00 | 0.010 | 0.84 | 2.93 |
| CO-3970 | MH-3969 | MH-3970 | 473.83 | 472.42 | 472.33 | 250.0 | 39 | 1.25 | 450.00 | 0.010 | 0.84 | 2.94 |
| CO-3977 | MH-3970 | MH-3977 | 473.93 | 472.33 | 472.27 | 250.0 | 27 | 1.40 | 450.00 | 0.010 | 0.84 | 2.95 |
| CO-3978 | MH-3977 | MH-3978 | 473.98 | 472.27 | 472.21 | 250.0 | 29 | 1.54 | 450.00 | 0.010 | 0.84 | 2.97 |
| CO-3979 | MH-3978 | MH-3979 | 474.08 | 472.21 | 472.15 | 250.0 | 29 | 1.69 | 450.00 | 0.010 | 0.84 | 2.98 |
| CO-3980 | MH-3979 | MH-3980 | 474.15 | 472.15 | 472.08 | 250.0 | 31 | 1.92 | 450.00 | 0.010 | 0.84 | 2.99 |
| CO-3981 | MH-3980 | MH-3981 | 474.42 | 472.08 | 472.01 | 250.0 | 29 | 2.24 | 450.00 | 0.010 | 0.85 | 3.00 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3982 | MH-3981 | MH-3982 | 474.65 | 472.01 | 471.94 | 250.0 | 31 | 2.52 | 450.00 | 0.010 | 0.85 | 3.02 |
| CO-3983 | MH-3982 | MH-3983 | 474.85 | 471.94 | 471.88 | 250.0 | 29 | 2.76 | 450.00 | 0.010 | 0.85 | 3.03 |
| CO-3984 | MH-3983 | MH-3984 | 474.99 | 471.88 | 471.83 | 250.0 | 23 | 2.91 | 450.00 | 0.010 | 0.85 | 3.04 |
| CO-3985 | MH-3984 | MH-3985 | 475.03 | 471.83 | 471.77 | 250.0 | 28 | 3.08 | 450.00 | 0.010 | 0.85 | 3.05 |
| CO-3986 | MH-3985 | MH-3713 | 475.22 | 471.77 | 471.73 | 250.0 | 19 | 3.33 | 450.00 | 0.010 | 0.85 | 3.07 |
| CO-5641 | MH-3702 | MH-5618 | 476.10 | 474.91 | 475.05 | 150.0 | 30 | 1.02 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3703 | MH-3702 | MH-3703 | 476.10 | 474.91 | 474.83 | 150.0 | 30 | 1.03 | 391.29 | 0.010 | 0.25 | 0.02 |
| CO-3704 | MH-3703 | MH-3704 | 476.01 | 474.83 | 474.76 | 150.0 | 31 | 1.03 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3705 | MH-3704 | MH-3705 | 475.94 | 474.76 | 474.69 | 150.0 | 30 | 1.05 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3706 | MH-3705 | MH-3706 | 475.91 | 474.69 | 474.63 | 150.0 | 29 | 1.03 | 419.39 | 0.010 | 0.32 | 0.06 |
| CO-3707 | MH-3706 | MH-3707 | 475.78 | 474.63 | 474.56 | 150.0 | 32 | 1.39 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3708 | MH-3707 | MH-3701 | 476.49 | 474.56 | 474.51 | 150.0 | 11 | 1.92 | 246.13 | 0.010 | 0.43 | 0.09 |
| CO-3692 | MH-3691 | MH-3692 | 477.27 | 476.12 | 476.02 | 150.0 | 22 | 1.15 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3693 | MH-3692 | MH-3693 | 477.48 | 476.02 | 475.96 | 150.0 | 25 | 1.40 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3694 | MH-3693 | MH-3694 | 477.60 | 475.96 | 475.89 | 150.0 | 30 | 1.26 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3695 | MH-3694 | MH-3695 | 477.07 | 475.89 | 475.85 | 150.0 | 20 | 1.13 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3696 | MH-3695 | MH-3696 | 477.23 | 475.85 | 475.79 | 150.0 | 26 | 1.39 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3697 | MH-3696 | MH-3697 | 477.49 | 475.79 | 475.72 | 150.0 | 30 | 1.78 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3698 | MH-3697 | MH-3690 | 477.88 | 475.72 | 475.66 | 150.0 | 30 | 2.20 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3558 | MH-3557 | MH-3558 | 481.08 | 479.93 | 479.84 | 150.0 | 19 | 1.15 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3559 | MH-3558 | MH-3559 | 481.28 | 479.84 | 479.78 | 150.0 | 24 | 1.27 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3560 | MH-3559 | MH-3560 | 481.16 | 479.78 | 479.65 | 150.0 | 23 | 1.12 | 180.83 | 0.010 | 0.37 | 0.04 |
| CO-3561 | MH-3560 | MH-3561 | 480.80 | 479.65 | 479.26 | 150.0 | 23 | 1.00 | 58.98 | 0.010 | 0.60 | 0.05 |
| CO-3562 | MH-3561 | MH-3562 | 480.41 | 479.26 | 478.96 | 150.0 | 21 | 1.00 | 69.41 | 0.010 | 0.61 | 0.06 |
| CO-3582 | MH-3583 | MH-3584 | 480.83 | 479.68 | 479.50 | 150.0 | 38 | 1.04 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3583 | MH-3584 | MH-3585 | 480.74 | 479.50 | 479.35 | 150.0 | 30 | 1.04 | 203.13 | 0.010 | 0.32 | 0.03 |
| CO-3584 | MH-3585 | MH-3582 | 480.50 | 479.35 | 478.95 | 150.0 | 35 | 1.00 | 86.66 | 0.010 | 0.48 | 0.04 |
| CO-3578 | MH-3579 | MH-3580 | 480.86 | 479.71 | 479.56 | 150.0 | 32 | 1.12 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3579 | MH-3580 | MH-3581 | 480.96 | 479.56 | 479.47 | 150.0 | 38 | 1.24 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3580 | MH-3581 | MH-3578 | 480.84 | 479.47 | 479.28 | 150.0 | 31 | 1.11 | 167.83 | 0.010 | 0.38 | 0.04 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3574 | MH-3575 | MH-3576 | 481.36 | 480.21 | 480.08 | 150.0 | 29 | 1.01 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3575 | MH-3576 | MH-3577 | 481.25 | 480.08 | 479.61 | 150.0 | 34 | 1.01 | 72.21 | 0.010 | 0.46 | 0.03 |
| CO-3576 | MH-3577 | MH-3574 | 480.76 | 479.61 | 479.52 | 150.0 | 35 | 1.00 | 421.86 | 0.010 | 0.27 | 0.04 |
| CO-3569 | MH-3569 | MH-3570 | 481.52 | 480.37 | 480.25 | 150.0 | 26 | 1.08 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3570 | MH-3570 | MH-3571 | 481.56 | 480.25 | 480.19 | 150.0 | 23 | 1.14 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3571 | MH-3571 | MH-3572 | 481.47 | 480.19 | 479.98 | 150.0 | 20 | 1.06 | 97.20 | 0.010 | 0.46 | 0.04 |
| CO-3572 | MH-3572 | MH-3573 | 481.13 | 479.98 | 479.91 | 150.0 | 30 | 1.05 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3573 | MH-3573 | MH-3574 | 481.16 | 479.91 | 479.52 | 150.0 | 22 | 1.05 | 56.84 | 0.010 | 0.65 | 0.06 |
| CO-3577 | MH-3574 | MH-3578 | 480.67 | 479.52 | 479.28 | 150.0 | 23 | 1.00 | 93.34 | 0.010 | 0.65 | 0.11 |
| CO-3581 | MH-3578 | MH-3582 | 480.43 | 479.28 | 478.95 | 150.0 | 31 | 1.00 | 92.86 | 0.010 | 0.73 | 0.16 |
| CO-3585 | MH-3582 | MH-3568 | 480.10 | 478.95 | 478.91 | 150.0 | 15 | 1.01 | 450.00 | 0.010 | 0.45 | 0.21 |
| CO-3568 | MH-3567 | MH-3568 | 480.28 | 478.86 | 478.91 | 150.0 | 23 | 1.15 | 450.00 | 0.010 | 0.45 | 0.23 |
| CO-3567 | MH-3566 | MH-3567 | 480.35 | 478.81 | 478.86 | 150.0 | 25 | 1.33 | 450.00 | 0.010 | 0.46 | 0.24 |
| CO-3566 | MH-3565 | MH-3566 | 480.45 | 478.74 | 478.81 | 150.0 | 30 | 1.48 | 450.00 | 0.010 | 0.47 | 0.25 |
| CO-3565 | MH-3564 | MH-3565 | 480.47 | 478.67 | 478.74 | 150.0 | 30 | 1.60 | 450.00 | 0.010 | 0.47 | 0.26 |
| CO-3564 | MH-3562 | MH-3564 | 480.11 | 478.61 | 478.67 | 150.0 | 29 | 1.50 | 450.00 | 0.010 | 0.48 | 0.28 |
| CO-3563 | MH-3563 | MH-3562 | 479.93 | 478.57 | 478.61 | 150.0 | 18 | 1.28 | 450.00 | 0.010 | 0.51 | 0.35 |
| CO-5683 | MH-3563 | MH-3686 | 479.93 | 478.57 | 478.52 | 150.0 | 21 | 1.23 | 450.00 | 0.010 | 0.51 | 0.36 |
| CO-5581 | MH-3679 | MH-5568 | 481.89 | 480.42 | 480.53 | 150.0 | 25 | 1.16 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3678 | MH-3679 | MH-3678 | 481.89 | 480.42 | 480.37 | 150.0 | 20 | 1.35 | 391.29 | 0.010 | 0.25 | 0.02 |
| CO-3306 | MH-3307 | MH-3308 | 482.09 | 480.94 | 480.65 | 150.0 | 29 | 1.00 | 97.26 | 0.010 | 0.33 | 0.01 |
| CO-3307 | MH-3308 | MH-3305 | 481.80 | 480.65 | 480.47 | 150.0 | 27 | 1.00 | 154.34 | 0.010 | 0.35 | 0.03 |
| CO-3303 | MH-3303 | MH-3304 | 482.14 | 480.99 | 480.70 | 150.0 | 28 | 1.00 | 94.21 | 0.010 | 0.33 | 0.01 |
| CO-3304 | MH-3304 | MH-3305 | 481.85 | 480.70 | 480.47 | 150.0 | 25 | 1.00 | 110.66 | 0.010 | 0.39 | 0.03 |
| CO-3308 | MH-3305 | MH-3302 | 481.62 | 480.47 | 480.42 | 150.0 | 21 | 1.01 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-5590 | MH-3294 | MH-5575 | 482.26 | 481.03 | 481.13 | 150.0 | 21 | 1.04 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3296 | MH-3294 | MH-3295 | 482.26 | 481.03 | 480.87 | 150.0 | 29 | 1.04 | 184.26 | 0.010 | 0.32 | 0.02 |
| CO-3297 | MH-3295 | MH-3296 | 482.02 | 480.87 | 480.62 | 150.0 | 27 | 1.00 | 110.64 | 0.010 | 0.44 | 0.04 |
| CO-3298 | MH-3296 | MH-3297 | 481.77 | 480.62 | 480.28 | 150.0 | 30 | 1.00 | 86.89 | 0.010 | 0.52 | 0.05 |
| CO-3299 | MH-3297 | MH-3298 | 481.43 | 480.28 | 479.84 | 150.0 | 31 | 1.00 | 70.17 | 0.010 | 0.60 | 0.06 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3370 | MH-3370 | MH-3371 | 482.20 | 481.05 | 480.69 | 150.0 | 40 | 1.00 | 111.36 | 0.010 | 0.31 | 0.01 |
| CO-3371 | MH-3371 | MH-3372 | 481.84 | 480.69 | 480.11 | 150.0 | 34 | 1.00 | 57.70 | 0.010 | 0.49 | 0.03 |
| CO-3372 | MH-3372 | MH-3373 | 481.26 | 480.11 | 479.87 | 150.0 | 32 | 1.00 | 133.15 | 0.010 | 0.41 | 0.04 |
| CO-3373 | MH-3373 | MH-3374 | 481.02 | 479.87 | 479.69 | 150.0 | 34 | 1.00 | 187.42 | 0.010 | 0.40 | 0.05 |
| CO-3374 | MH-3374 | MH-3368 | 480.84 | 479.69 | 479.16 | 150.0 | 32 | 1.18 | 61.13 | 0.010 | 0.63 | 0.06 |
| CO-5586 | MH-5571 | MH-5572 | 480.96 | 479.81 | 480.30 | 150.0 | 34 | 1.00 | 69.15 | 0.010 | 0.37 | 0.01 |
| CO-5585 | MH-5570 | MH-5571 | 480.80 | 479.65 | 479.81 | 150.0 | 29 | 1.00 | 185.64 | 0.010 | 0.32 | 0.02 |
| CO-5584 | MH-3369 | MH-5570 | 480.77 | 479.60 | 479.65 | 150.0 | 22 | 1.01 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3369 | MH-3369 | MH-3368 | 480.77 | 479.60 | 479.16 | 150.0 | 27 | 1.18 | 59.90 | 0.010 | 0.59 | 0.05 |
| CO-3357 | MH-3357 | MH-3358 | 481.34 | 480.19 | 479.84 | 150.0 | 32 | 1.00 | 91.72 | 0.010 | 0.34 | 0.01 |
| CO-3358 | MH-3358 | MH-3359 | 480.99 | 479.84 | 479.77 | 150.0 | 27 | 1.00 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3359 | MH-3359 | MH-3355 | 480.92 | 479.77 | 479.68 | 150.0 | 30 | 1.00 | 321.14 | 0.010 | 0.30 | 0.04 |
| CO-5587 | MH-3351 | MH-5573 | 481.90 | 480.48 | 480.60 | 150.0 | 27 | 1.14 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3351 | MH-3351 | MH-3352 | 481.90 | 480.48 | 480.37 | 150.0 | 41 | 1.14 | 369.38 | 0.010 | 0.26 | 0.02 |
| CO-3352 | MH-3352 | MH-3353 | 481.52 | 480.37 | 480.00 | 150.0 | 22 | 1.00 | 58.36 | 0.010 | 0.55 | 0.04 |
| CO-3353 | MH-3353 | MH-3354 | 481.15 | 480.00 | 479.84 | 150.0 | 23 | 1.00 | 149.51 | 0.010 | 0.43 | 0.05 |
| CO-3354 | MH-3354 | MH-3350 | 480.99 | 479.84 | 479.76 | 150.0 | 23 | 1.01 | 291.80 | 0.010 | 0.37 | 0.06 |
| CO-3348 | MH-3347 | MH-3348 | 481.10 | 479.95 | 479.83 | 150.0 | 25 | 1.00 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3349 | MH-3348 | MH-3349 | 480.99 | 479.83 | 479.78 | 150.0 | 19 | 1.04 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3350 | MH-3349 | MH-3350 | 481.00 | 479.78 | 479.76 | 150.0 | 10 | 1.05 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3355 | MH-3350 | MH-3355 | 480.94 | 479.76 | 479.68 | 150.0 | 23 | 1.01 | 275.01 | 0.010 | 0.44 | 0.11 |
| CO-3360 | MH-3355 | MH-3360 | 480.83 | 479.68 | 479.54 | 150.0 | 39 | 1.00 | 284.60 | 0.010 | 0.49 | 0.16 |
| CO-3361 | MH-3360 | MH-3361 | 480.69 | 479.54 | 479.27 | 150.0 | 30 | 1.00 | 108.90 | 0.010 | 0.70 | 0.18 |
| CO-3362 | MH-3361 | MH-3362 | 480.42 | 479.27 | 479.21 | 150.0 | 24 | 1.09 | 450.00 | 0.010 | 0.43 | 0.19 |
| CO-3368 | MH-3362 | MH-3368 | 480.54 | 479.21 | 479.16 | 150.0 | 24 | 1.26 | 450.00 | 0.010 | 0.44 | 0.20 |
| CO-3375 | MH-3368 | MH-3346 | 480.66 | 479.16 | 478.95 | 150.0 | 25 | 1.27 | 117.04 | 0.010 | 0.81 | 0.33 |
| CO-3380 | MH-3378 | MH-3379 | 480.35 | 479.20 | 479.62 | 150.0 | 28 | 1.00 | 66.55 | 0.010 | 0.38 | 0.01 |
| CO-3379 | MH-3377 | MH-3378 | 480.30 | 479.12 | 479.20 | 150.0 | 30 | 1.01 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3378 | MH-3376 | MH-3377 | 480.36 | 479.06 | 479.12 | 150.0 | 29 | 1.09 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3377 | MH-3375 | MH-3376 | 480.21 | 479.00 | 479.06 | 150.0 | 28 | 1.11 | 450.00 | 0.010 | 0.29 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3376 | MH-3346 | MH-3375 | 480.28 | 478.95 | 479.00 | 150.0 | 23 | 1.12 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3347 | MH-3345 | MH-3346 | 480.39 | 478.88 | 478.95 | 150.0 | 28 | 1.27 | 450.00 | 0.010 | 0.53 | 0.40 |
| CO-3346 | MH-3344 | MH-3345 | 480.55 | 478.82 | 478.88 | 150.0 | 30 | 1.47 | 450.00 | 0.010 | 0.53 | 0.41 |
| CO-5588 | MH-3344 | MH-5574 | 480.55 | 478.82 | 478.75 | 150.0 | 30 | 1.72 | 450.00 | 0.010 | 0.54 | 0.43 |
| CO-5589 | MH-5574 | MH-3298 | 480.75 | 478.75 | 478.69 | 150.0 | 28 | 2.00 | 450.00 | 0.010 | 0.54 | 0.44 |
| CO-3344 | MH-3298 | MH-3343 | 480.99 | 478.63 | 478.69 | 150.0 | 27 | 2.24 | 450.00 | 0.010 | 0.56 | 0.51 |
| CO-3592 | MH-3592 | MH-3593 | 480.87 | 479.72 | 479.60 | 150.0 | 24 | 1.04 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3593 | MH-3593 | MH-3594 | 480.84 | 479.60 | 479.52 | 150.0 | 32 | 1.16 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3594 | MH-3594 | MH-3595 | 480.90 | 479.52 | 479.46 | 150.0 | 26 | 1.14 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3603 | MH-3604 | MH-3605 | 480.21 | 479.06 | 478.95 | 150.0 | 25 | 1.00 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3604 | MH-3605 | MH-3606 | 480.10 | 478.95 | 478.87 | 150.0 | 29 | 1.04 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3605 | MH-3606 | MH-3607 | 480.09 | 478.87 | 478.68 | 150.0 | 30 | 1.04 | 156.42 | 0.010 | 0.39 | 0.04 |
| CO-3609 | MH-3610 | MH-3611 | 479.98 | 478.83 | 478.75 | 150.0 | 17 | 1.05 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3610 | MH-3611 | MH-3612 | 479.99 | 478.75 | 478.66 | 150.0 | 29 | 1.05 | 337.43 | 0.010 | 0.26 | 0.03 |
| CO-3611 | MH-3612 | MH-3613 | 479.81 | 478.66 | 478.48 | 150.0 | 27 | 1.00 | 148.26 | 0.010 | 0.40 | 0.04 |
| CO-3612 | MH-3613 | MH-3608 | 479.63 | 478.48 | 478.13 | 150.0 | 30 | 1.00 | 86.12 | 0.010 | 0.52 | 0.05 |
| CO-3607 | MH-3602 | MH-3608 | 479.51 | 478.08 | 478.13 | 150.0 | 24 | 1.14 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3606 | MH-3607 | MH-3602 | 479.83 | 478.02 | 478.08 | 150.0 | 29 | 1.47 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-5596 | MH-3607 | MH-3596 | 479.83 | 478.02 | 477.96 | 150.0 | 24 | 1.95 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3597 | MH-3598 | MH-3599 | 480.54 | 479.39 | 479.25 | 150.0 | 30 | 1.02 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3598 | MH-3599 | MH-3600 | 480.45 | 479.25 | 479.19 | 150.0 | 23 | 1.09 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3599 | MH-3600 | MH-3596 | 480.47 | 479.19 | 479.12 | 150.0 | 30 | 1.11 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3595 | MH-3595 | MH-3596 | 480.67 | 477.91 | 477.96 | 150.0 | 25 | 2.42 | 450.00 | 0.010 | 0.42 | 0.18 |
| CO-5682 | MH-3595 | MH-3343 | 480.67 | 477.91 | 477.86 | 150.0 | 23 | 2.85 | 450.00 | 0.010 | 0.45 | 0.23 |
| CO-3343 | MH-3343 | MH-3313 | 481.10 | 477.79 | 477.86 | 150.0 | 30 | 3.14 | 450.00 | 0.010 | 0.60 | 0.75 |
| CO-3330 | MH-3331 | MH-3332 | 481.60 | 480.45 | 480.22 | 150.0 | 27 | 1.00 | 117.05 | 0.010 | 0.31 | 0.01 |
| CO-3331 | MH-3332 | MH-3329 | 481.37 | 480.22 | 479.94 | 150.0 | 31 | 1.07 | 110.34 | 0.010 | 0.39 | 0.03 |
| CO-3325 | MH-3326 | MH-3327 | 481.79 | 480.64 | 480.43 | 150.0 | 20 | 1.00 | 92.37 | 0.010 | 0.33 | 0.01 |
| CO-3326 | MH-3327 | MH-3328 | 481.58 | 480.43 | 480.21 | 150.0 | 25 | 1.00 | 115.65 | 0.010 | 0.38 | 0.03 |
| CO-3327 | MH-3328 | MH-3324 | 481.36 | 480.21 | 480.17 | 150.0 | 18 | 1.12 | 450.00 | 0.010 | 0.27 | 0.04 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3319 | MH-3320 | MH-3321 | 482.20 | 481.05 | 480.71 | 150.0 | 21 | 1.00 | 61.09 | 0.010 | 0.39 | 0.01 |
| CO-3320 | MH-3321 | MH-3322 | 481.86 | 480.71 | 480.66 | 150.0 | 20 | 1.08 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3321 | MH-3322 | MH-3318 | 481.96 | 480.66 | 480.57 | 150.0 | 21 | 1.32 | 240.89 | 0.010 | 0.34 | 0.04 |
| CO-3315 | MH-3315 | MH-3316 | 482.03 | 480.88 | 480.72 | 150.0 | 33 | 1.17 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3316 | MH-3316 | MH-3317 | 482.21 | 480.72 | 480.65 | 150.0 | 27 | 1.50 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3317 | MH-3317 | MH-3318 | 482.47 | 480.65 | 480.57 | 150.0 | 38 | 1.58 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5601 | MH-3324 | MH-3318 | 481.55 | 480.17 | 480.57 | 150.0 | 22 | 1.36 | 54.19 | 0.010 | 0.73 | 0.09 |
| CO-3328 | MH-3324 | MH-3329 | 481.55 | 480.17 | 479.94 | 150.0 | 21 | 1.19 | 89.45 | 0.010 | 0.70 | 0.14 |
| CO-5616 | MH-5595 | MH-5596 | 482.37 | 481.16 | 481.21 | 150.0 | 9 | 1.03 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5615 | MH-5594 | MH-5595 | 482.30 | 481.13 | 481.16 | 150.0 | 12 | 1.04 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5614 | MH-5593 | MH-5594 | 482.43 | 481.07 | 481.13 | 150.0 | 30 | 1.11 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5613 | MH-5592 | MH-5593 | 482.46 | 481.00 | 481.07 | 150.0 | 31 | 1.26 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-5612 | MH-5591 | MH-5592 | 482.46 | 480.94 | 481.00 | 150.0 | 26 | 1.34 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-5611 | MH-5590 | MH-5591 | 482.35 | 480.89 | 480.94 | 150.0 | 25 | 1.34 | 450.00 | 0.010 | 0.33 | 0.07 |
| CO-5610 | MH-5589 | MH-5590 | 482.48 | 480.82 | 480.89 | 150.0 | 30 | 1.41 | 450.00 | 0.010 | 0.34 | 0.09 |
| CO-5609 | MH-5588 | MH-5589 | 481.95 | 480.68 | 480.82 | 150.0 | 29 | 1.31 | 213.81 | 0.010 | 0.46 | 0.10 |
| CO-5608 | MH-5587 | MH-5588 | 481.15 | 480.00 | 480.68 | 150.0 | 27 | 1.06 | 40.00 | 0.010 | 0.87 | 0.11 |
| CO-5607 | MH-3329 | MH-5587 | 481.24 | 479.94 | 480.00 | 150.0 | 26 | 1.07 | 450.00 | 0.010 | 0.38 | 0.12 |
| CO-3342 | MH-3329 | MH-3313 | 481.24 | 479.94 | 479.89 | 150.0 | 21 | 1.12 | 450.00 | 0.010 | 0.49 | 0.30 |
| CO-3313 | MH-3313 | MH-3312 | 481.13 | 477.70 | 477.77 | 170.0 | 29 | 3.22 | 450.00 | 0.010 | 0.65 | 1.06 |
| CO-3312 | MH-3312 | MH-3311 | 481.11 | 477.65 | 477.70 | 170.0 | 26 | 3.34 | 450.00 | 0.010 | 0.65 | 1.08 |
| CO-5600 | MH-3311 | MH-3302 | 481.26 | 477.65 | 477.58 | 170.0 | 29 | 3.64 | 450.00 | 0.010 | 0.65 | 1.09 |
| CO-3302 | MH-3302 | MH-3301 | 481.59 | 477.44 | 477.58 | 170.0 | 29 | 3.91 | 200.00 | 0.010 | 0.93 | 1.16 |
| CO-3301 | MH-3301 | MH-3300 | 481.58 | 477.32 | 477.44 | 170.0 | 24 | 4.08 | 200.00 | 0.010 | 0.93 | 1.18 |
| CO-3300 | MH-3300 | MH-3299 | 481.68 | 477.19 | 477.32 | 170.0 | 25 | 4.33 | 200.00 | 0.010 | 0.93 | 1.19 |
| CO-5696 | MH-3299 | MH-3677 | 481.83 | 477.19 | 477.03 | 170.0 | 32 | 4.72 | 200.00 | 0.010 | 0.93 | 1.20 |
| CO-3677 | MH-3677 | MH-3678 | 482.18 | 477.03 | 476.89 | 170.0 | 27 | 4.90 | 200.00 | 0.010 | 0.94 | 1.21 |
| CO-3679 | MH-3678 | MH-3680 | 481.90 | 476.89 | 476.77 | 170.0 | 25 | 4.75 | 200.00 | 0.010 | 0.94 | 1.25 |
| CO-3680 | MH-3680 | MH-3676 | 481.62 | 476.77 | 476.65 | 170.0 | 25 | 4.70 | 200.00 | 0.010 | 0.94 | 1.26 |
| CO-5697 | MH-5664 | MH-5665 | 487.77 | 486.62 | 486.04 | 150.0 | 25 | 1.00 | 42.93 | 0.010 | 0.44 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5698 | MH-5665 | MH-5666 | 487.19 | 486.04 | 485.97 | 150.0 | 28 | 1.13 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5699 | MH-5666 | MH-5667 | 487.39 | 485.97 | 485.92 | 150.0 | 23 | 1.15 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5700 | MH-5667 | MH-5562 | 487.11 | 485.92 | 485.57 | 150.0 | 27 | 1.02 | 78.23 | 0.010 | 0.54 | 0.05 |
| CO-5577 | MH-5562 | MH-5566 | 486.72 | 485.57 | 485.20 | 150.0 | 28 | 1.00 | 74.81 | 0.010 | 0.59 | 0.06 |
| CO-5578 | MH-5566 | MH-3655 | 486.35 | 485.20 | 485.06 | 150.0 | 27 | 1.00 | 201.45 | 0.010 | 0.44 | 0.07 |
| CO-3658 | MH-3658 | MH-3659 | 486.83 | 485.68 | 485.57 | 150.0 | 23 | 1.04 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3659 | MH-3659 | MH-3660 | 486.81 | 485.57 | 485.51 | 150.0 | 24 | 1.15 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3660 | MH-3660 | MH-3661 | 486.88 | 485.51 | 485.45 | 150.0 | 29 | 1.16 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3661 | MH-3661 | MH-3662 | 486.70 | 485.45 | 485.26 | 150.0 | 26 | 1.05 | 139.42 | 0.010 | 0.44 | 0.05 |
| CO-3662 | MH-3662 | MH-3655 | 486.41 | 485.26 | 485.06 | 150.0 | 28 | 1.00 | 140.76 | 0.010 | 0.47 | 0.06 |
| CO-3663 | MH-3655 | MH-3663 | 486.21 | 485.06 | 484.94 | 150.0 | 27 | 1.00 | 222.39 | 0.010 | 0.52 | 0.15 |
| CO-3664 | MH-3663 | MH-3664 | 486.09 | 484.94 | 484.53 | 150.0 | 30 | 1.00 | 74.61 | 0.010 | 0.78 | 0.16 |
| CO-3665 | MH-3664 | MH-3665 | 485.68 | 484.53 | 484.33 | 150.0 | 30 | 1.00 | 145.78 | 0.010 | 0.63 | 0.17 |
| CO-3666 | MH-3665 | MH-3666 | 485.48 | 484.33 | 484.25 | 150.0 | 30 | 1.00 | 396.27 | 0.010 | 0.45 | 0.19 |
| CO-3667 | MH-3666 | MH-3667 | 485.40 | 484.25 | 483.82 | 150.0 | 30 | 1.00 | 69.95 | 0.010 | 0.85 | 0.20 |
| CO-5579 | MH-3667 | MH-5567 | 484.97 | 483.82 | 483.43 | 150.0 | 30 | 1.00 | 75.54 | 0.010 | 0.84 | 0.21 |
| CO-5580 | MH-5567 | MH-3668 | 484.58 | 483.43 | 483.11 | 150.0 | 29 | 1.10 | 91.55 | 0.010 | 0.80 | 0.22 |
| CO-3669 | MH-3669 | MH-3668 | 484.35 | 483.20 | 483.11 | 150.0 | 20 | 1.10 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3670 | MH-3668 | MH-3670 | 484.45 | 483.11 | 482.58 | 150.0 | 31 | 1.10 | 59.18 | 0.010 | 0.96 | 0.25 |
| CO-3671 | MH-3670 | MH-3671 | 483.73 | 482.58 | 482.26 | 150.0 | 30 | 1.00 | 93.50 | 0.010 | 0.83 | 0.26 |
| CO-3672 | MH-3671 | MH-3672 | 483.41 | 482.26 | 481.62 | 150.0 | 29 | 1.09 | 45.30 | 0.010 | 1.09 | 0.27 |
| CO-3673 | MH-3672 | MH-3673 | 482.95 | 481.62 | 481.10 | 150.0 | 21 | 1.09 | 40.00 | 0.010 | 1.15 | 0.29 |
| CO-3674 | MH-3673 | MH-3674 | 482.25 | 481.10 | 480.75 | 150.0 | 36 | 1.00 | 102.72 | 0.010 | 0.84 | 0.30 |
| CO-3675 | MH-3674 | MH-3675 | 481.90 | 480.75 | 480.53 | 150.0 | 37 | 1.00 | 169.75 | 0.010 | 0.71 | 0.31 |
| CO-3676 | MH-3675 | MH-3676 | 481.68 | 480.53 | 480.38 | 150.0 | 25 | 1.00 | 169.49 | 0.010 | 0.71 | 0.32 |
| CO-3681 | MH-3676 | MH-3681 | 481.53 | 476.65 | 476.50 | 170.0 | 30 | 4.72 | 200.00 | 0.010 | 0.98 | 1.60 |
| CO-3682 | MH-3681 | MH-3682 | 481.39 | 476.50 | 476.40 | 170.0 | 19 | 4.66 | 200.00 | 0.010 | 0.98 | 1.61 |
| CO-3683 | MH-3682 | MH-3683 | 481.18 | 476.40 | 476.32 | 170.0 | 16 | 4.52 | 200.00 | 0.010 | 0.98 | 1.63 |
| CO-3684 | MH-3683 | MH-3684 | 480.93 | 476.32 | 476.18 | 170.0 | 28 | 4.36 | 200.00 | 0.010 | 0.98 | 1.64 |
| CO-3685 | MH-3684 | MH-3685 | 480.63 | 476.18 | 476.04 | 170.0 | 28 | 4.13 | 200.00 | 0.010 | 0.98 | 1.65 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3686 | MH-3685 | MH-3686 | 480.19 | 476.04 | 475.92 | 170.0 | 25 | 3.91 | 200.00 | 0.010 | 0.98 | 1.66 |
| CO-3687 | MH-3686 | MH-3687 | 479.92 | 475.84 | 475.77 | 250.0 | 30 | 3.69 | 450.00 | 0.010 | 0.79 | 2.04 |
| CO-5582 | MH-3687 | MH-5569 | 479.57 | 475.77 | 475.70 | 250.0 | 31 | 3.37 | 450.00 | 0.010 | 0.79 | 2.05 |
| CO-5675 | MH-5652 | MH-5653 | 479.71 | 478.56 | 478.37 | 150.0 | 35 | 1.00 | 177.66 | 0.010 | 0.26 | 0.01 |
| CO-5676 | MH-5653 | MH-5654 | 479.52 | 478.37 | 478.29 | 150.0 | 31 | 1.23 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5677 | MH-5654 | MH-5655 | 479.90 | 478.29 | 478.21 | 150.0 | 36 | 1.32 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5679 | MH-5655 | MH-5656 | 479.54 | 478.21 | 478.09 | 150.0 | 30 | 1.09 | 246.75 | 0.010 | 0.36 | 0.05 |
| CO-5680 | MH-5656 | MH-5569 | 479.24 | 478.09 | 477.98 | 150.0 | 24 | 1.00 | 239.66 | 0.010 | 0.39 | 0.06 |
| CO-5583 | MH-5569 | MH-3627 | 479.13 | 475.70 | 475.63 | 250.0 | 30 | 3.06 | 450.00 | 0.010 | 0.80 | 2.13 |
| CO-3622 | MH-3621 | MH-3622 | 479.41 | 478.26 | 477.69 | 150.0 | 27 | 1.00 | 48.13 | 0.010 | 0.42 | 0.01 |
| CO-3623 | MH-3622 | MH-3620 | 478.84 | 477.69 | 477.40 | 150.0 | 27 | 1.00 | 93.95 | 0.010 | 0.41 | 0.03 |
| CO-5638 | MH-5616 | MH-5600 | 477.81 | 476.47 | 476.66 | 150.0 | 29 | 1.00 | 152.37 | 0.010 | 0.28 | 0.01 |
| CO-3428 | MH-3427 | MH-3428 | 482.05 | 480.90 | 480.69 | 150.0 | 28 | 1.00 | 138.82 | 0.010 | 0.29 | 0.01 |
| CO-3429 | MH-3428 | MH-3426 | 481.84 | 480.69 | 480.59 | 150.0 | 29 | 1.00 | 273.40 | 0.010 | 0.28 | 0.03 |
| CO-5739 | MH-5675 | MH-5694 | 481.85 | 480.70 | 480.56 | 150.0 | 30 | 1.03 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5741 | MH-5694 | MH-5695 | 481.76 | 480.56 | 480.48 | 150.0 | 30 | 1.07 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5743 | MH-5695 | MH-5696 | 481.71 | 480.48 | 480.42 | 150.0 | 29 | 1.08 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5745 | MH-5696 | MH-5697 | 481.65 | 480.42 | 480.35 | 150.0 | 30 | 1.09 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-5747 | MH-5697 | MH-5698 | 481.59 | 480.35 | 480.29 | 150.0 | 26 | 1.09 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-5749 | MH-5698 | MH-5699 | 481.53 | 480.29 | 480.24 | 150.0 | 25 | 1.08 | 450.00 | 0.010 | 0.33 | 0.07 |
| CO-5750 | MH-5699 | MH-3384 | 481.47 | 480.24 | 480.18 | 150.0 | 25 | 1.08 | 450.00 | 0.010 | 0.34 | 0.09 |
| CO-5711 | MH-5674 | MH-3381 | 481.80 | 480.65 | 480.34 | 150.0 | 21 | 1.00 | 67.42 | 0.010 | 0.37 | 0.01 |
| CO-3382 | MH-3381 | MH-3382 | 481.49 | 480.34 | 479.99 | 150.0 | 31 | 1.00 | 90.80 | 0.010 | 0.42 | 0.02 |
| CO-5761 | MH-5678 | MH-5705 | 486.52 | 485.37 | 484.87 | 150.0 | 33 | 1.00 | 65.53 | 0.010 | 0.38 | 0.01 |
| CO-5762 | MH-5705 | MH-5679 | 486.02 | 484.87 | 484.37 | 150.0 | 33 | 1.00 | 65.53 | 0.010 | 0.47 | 0.02 |
| CO-5757 | MH-5679 | MH-5703 | 485.52 | 484.37 | 483.97 | 150.0 | 27 | 1.00 | 67.68 | 0.010 | 0.52 | 0.04 |
| CO-5759 | MH-5703 | MH-5704 | 485.12 | 483.97 | 483.51 | 150.0 | 31 | 1.00 | 67.68 | 0.010 | 0.57 | 0.05 |
| CO-5760 | MH-5704 | MH-5680 | 484.66 | 483.51 | 483.10 | 150.0 | 27 | 1.00 | 67.68 | 0.010 | 0.61 | 0.06 |
| CO-5755 | MH-5680 | MH-5702 | 484.25 | 483.10 | 482.30 | 150.0 | 42 | 1.00 | 52.46 | 0.010 | 0.70 | 0.07 |
| CO-5756 | MH-5702 | MH-5681 | 483.45 | 482.30 | 481.63 | 150.0 | 35 | 1.00 | 52.46 | 0.010 | 0.73 | 0.09 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5751 | MH-5681 | MH-5700 | 482.78 | 481.63 | 481.34 | 150.0 | 30 | 1.00 | 103.95 | 0.010 | 0.60 | 0.10 |
| CO-5753 | MH-5700 | MH-5701 | 482.49 | 481.34 | 480.92 | 150.0 | 31 | 1.00 | 72.94 | 0.010 | 0.70 | 0.11 |
| CO-5754 | MH-5701 | MH-3405 | 482.07 | 480.92 | 480.47 | 150.0 | 33 | 1.00 | 72.94 | 0.010 | 0.73 | 0.12 |
| CO-5705 | MH-5669 | MH-3266 | 483.10 | 481.55 | 481.95 | 150.0 | 19 | 1.00 | 46.81 | 0.010 | 0.42 | 0.01 |
| CO-3266 | MH-3266 | MH-3265 | 482.70 | 481.21 | 481.55 | 150.0 | 28 | 1.00 | 82.86 | 0.010 | 0.43 | 0.02 |
| CO-3265 | MH-3265 | MH-3264 | 482.36 | 481.14 | 481.21 | 150.0 | 30 | 1.00 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3264 | MH-3264 | MH-3261 | 482.29 | 481.10 | 481.14 | 150.0 | 18 | 1.06 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3262 | MH-3262 | MH-3263 | 483.22 | 482.07 | 481.66 | 150.0 | 30 | 1.00 | 74.56 | 0.010 | 0.36 | 0.01 |
| CO-3263 | MH-3263 | MH-3261 | 482.81 | 481.66 | 481.10 | 150.0 | 32 | 1.05 | 56.50 | 0.010 | 0.49 | 0.03 |
| CO-3261 | MH-3261 | MH-3258 | 482.36 | 481.06 | 481.10 | 150.0 | 16 | 1.18 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3259 | MH-3259 | MH-3260 | 483.14 | 481.99 | 481.54 | 150.0 | 30 | 1.00 | 66.44 | 0.010 | 0.38 | 0.01 |
| CO-3260 | MH-3260 | MH-3258 | 482.69 | 481.54 | 481.06 | 150.0 | 24 | 1.12 | 50.25 | 0.010 | 0.51 | 0.03 |
| CO-3258 | MH-3258 | MH-3257 | 482.46 | 481.01 | 481.06 | 150.0 | 23 | 1.30 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3256 | MH-3255 | MH-3256 | 483.65 | 482.50 | 481.78 | 150.0 | 33 | 1.00 | 45.84 | 0.010 | 0.43 | 0.01 |
| CO-3257 | MH-3256 | MH-3257 | 482.93 | 481.78 | 481.38 | 150.0 | 24 | 1.00 | 59.89 | 0.010 | 0.48 | 0.03 |
| CO-5693 | MH-3257 | MH-5516 | 482.53 | 481.01 | 480.97 | 150.0 | 19 | 1.50 | 450.00 | 0.010 | 0.41 | 0.16 |
| CO-5526 | MH-5520 | MH-5522 | 484.49 | 483.34 | 483.55 | 150.0 | 29 | 1.00 | 134.29 | 0.010 | 0.29 | 0.01 |
| CO-5524 | MH-5519 | MH-5520 | 484.11 | 482.96 | 483.34 | 150.0 | 29 | 1.00 | 76.13 | 0.010 | 0.44 | 0.02 |
| CO-5523 | MH-5518 | MH-5519 | 483.42 | 482.27 | 482.96 | 150.0 | 30 | 1.00 | 44.27 | 0.010 | 0.61 | 0.04 |
| CO-5522 | MH-5517 | MH-5518 | 483.05 | 481.90 | 482.27 | 150.0 | 26 | 1.00 | 69.93 | 0.010 | 0.56 | 0.05 |
| CO-5521 | MH-5517 | MH-5516 | 483.05 | 481.61 | 481.90 | 150.0 | 22 | 1.00 | 76.49 | 0.010 | 0.58 | 0.06 |
| CO-5520 | MH-5516 | MH-3403 | 482.76 | 480.90 | 480.97 | 150.0 | 31 | 1.48 | 450.00 | 0.010 | 0.46 | 0.24 |
| CO-3403 | MH-3403 | MH-3404 | 482.37 | 480.90 | 480.84 | 150.0 | 27 | 1.17 | 450.00 | 0.010 | 0.47 | 0.25 |
| CO-3404 | MH-3404 | MH-3402 | 482.01 | 480.84 | 480.47 | 150.0 | 34 | 1.01 | 91.16 | 0.010 | 0.84 | 0.26 |
| CO-3400 | MH-3400 | MH-3401 | 482.19 | 481.04 | 480.87 | 150.0 | 29 | 1.00 | 164.82 | 0.010 | 0.27 | 0.01 |
| CO-3401 | MH-3401 | MH-3399 | 482.02 | 480.87 | 480.52 | 150.0 | 32 | 1.00 | 91.81 | 0.010 | 0.42 | 0.03 |
| CO-3247 | MH-3247 | MH-3248 | 484.32 | 483.17 | 482.78 | 150.0 | 29 | 1.00 | 73.70 | 0.010 | 0.36 | 0.01 |
| CO-3248 | MH-3248 | MH-3246 | 483.93 | 482.78 | 482.28 | 150.0 | 30 | 1.10 | 60.29 | 0.010 | 0.49 | 0.03 |
| CO-3243 | MH-3242 | MH-3243 | 484.53 | 483.38 | 483.10 | 150.0 | 29 | 1.00 | 105.09 | 0.010 | 0.32 | 0.01 |
| CO-3244 | MH-3243 | MH-3244 | 484.25 | 483.10 | 482.73 | 150.0 | 27 | 1.00 | 73.40 | 0.010 | 0.45 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3245 | MH-3244 | MH-3245 | 483.88 | 482.73 | 482.33 | 150.0 | 18 | 1.00 | 44.73 | 0.010 | 0.61 | 0.04 |
| CO-3246 | MH-3245 | MH-3246 | 483.48 | 482.33 | 482.28 | 150.0 | 20 | 1.10 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3249 | MH-3246 | MH-3249 | 483.62 | 482.28 | 482.24 | 150.0 | 19 | 1.24 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3250 | MH-3249 | MH-3250 | 483.68 | 482.24 | 482.18 | 150.0 | 29 | 1.36 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3251 | MH-3250 | MH-3251 | 483.76 | 482.18 | 482.11 | 150.0 | 30 | 1.50 | 450.00 | 0.010 | 0.37 | 0.11 |
| CO-3252 | MH-3251 | MH-3241 | 483.82 | 482.11 | 482.06 | 150.0 | 24 | 1.63 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3233 | MH-3233 | MH-3234 | 485.75 | 484.60 | 484.14 | 150.0 | 32 | 1.00 | 68.55 | 0.010 | 0.37 | 0.01 |
| CO-3234 | MH-3234 | MH-3232 | 485.29 | 484.14 | 483.68 | 150.0 | 30 | 1.00 | 64.45 | 0.010 | 0.48 | 0.03 |
| CO-3230 | MH-3230 | MH-3231 | 485.90 | 484.75 | 484.36 | 150.0 | 30 | 1.00 | 77.21 | 0.010 | 0.36 | 0.01 |
| CO-3231 | MH-3231 | MH-3229 | 485.51 | 484.36 | 484.12 | 150.0 | 30 | 1.00 | 122.75 | 0.010 | 0.38 | 0.03 |
| CO-3227 | MH-3227 | MH-3228 | 486.45 | 485.30 | 484.70 | 150.0 | 29 | 1.00 | 48.67 | 0.010 | 0.42 | 0.01 |
| CO-3228 | MH-3228 | MH-3226 | 485.85 | 484.70 | 484.29 | 150.0 | 39 | 1.00 | 94.78 | 0.010 | 0.41 | 0.03 |
| CO-3229 | MH-3226 | MH-3229 | 485.44 | 484.29 | 484.12 | 150.0 | 18 | 1.00 | 105.10 | 0.010 | 0.45 | 0.04 |
| CO-3232 | MH-3229 | MH-3232 | 485.27 | 484.12 | 483.68 | 150.0 | 26 | 1.00 | 59.43 | 0.010 | 0.68 | 0.08 |
| CO-3235 | MH-3232 | MH-3235 | 484.83 | 483.68 | 483.63 | 150.0 | 21 | 1.04 | 450.00 | 0.010 | 0.37 | 0.11 |
| CO-3236 | MH-3235 | MH-3236 | 484.87 | 483.63 | 483.59 | 150.0 | 20 | 1.18 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-5517 | MH-5512 | MH-5513 | 485.27 | 484.12 | 484.46 | 150.0 | 30 | 1.00 | 88.40 | 0.010 | 0.34 | 0.01 |
| CO-5516 | MH-3236 | MH-5512 | 485.00 | 483.59 | 484.12 | 150.0 | 29 | 1.13 | 54.97 | 0.010 | 0.49 | 0.02 |
| CO-3237 | MH-3236 | MH-3237 | 485.00 | 483.59 | 483.52 | 150.0 | 31 | 1.38 | 450.00 | 0.010 | 0.41 | 0.16 |
| CO-3238 | MH-3237 | MH-3238 | 485.16 | 483.52 | 483.45 | 150.0 | 30 | 1.50 | 450.00 | 0.010 | 0.42 | 0.18 |
| CO-3239 | MH-3238 | MH-3222 | 485.10 | 483.45 | 483.37 | 150.0 | 35 | 1.57 | 450.00 | 0.010 | 0.43 | 0.19 |
| CO-3213 | MH-3213 | MH-3214 | 486.08 | 484.93 | 484.71 | 150.0 | 30 | 1.00 | 133.96 | 0.010 | 0.29 | 0.01 |
| CO-3214 | MH-3214 | MH-3212 | 485.86 | 484.71 | 484.65 | 150.0 | 21 | 1.00 | 342.32 | 0.010 | 0.26 | 0.03 |
| CO-3199 | MH-3199 | MH-3200 | 485.94 | 484.79 | 484.70 | 150.0 | 19 | 1.19 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3200 | MH-3200 | MH-3201 | 486.24 | 484.70 | 484.64 | 150.0 | 23 | 1.58 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3201 | MH-3201 | MH-3202 | 486.56 | 484.64 | 484.57 | 150.0 | 34 | 2.06 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3202 | MH-3202 | MH-3203 | 487.07 | 484.57 | 484.50 | 150.0 | 28 | 2.64 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3203 | MH-3203 | MH-3198 | 487.57 | 484.50 | 484.47 | 150.0 | 17 | 3.12 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3204 | MH-3198 | MH-3204 | 487.94 | 484.47 | 484.42 | 150.0 | 22 | 3.29 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3205 | MH-3204 | MH-3205 | 487.82 | 484.42 | 484.36 | 150.0 | 24 | 3.13 | 450.00 | 0.010 | 0.35 | 0.09 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3206 | MH-3205 | MH-3206 | 487.53 | 484.36 | 484.28 | 150.0 | 37 | 3.02 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3207 | MH-3206 | MH-3207 | 487.46 | 484.28 | 484.21 | 150.0 | 30 | 3.06 | 450.00 | 0.010 | 0.37 | 0.11 |
| CO-3208 | MH-3207 | MH-3208 | 487.47 | 484.21 | 484.15 | 150.0 | 29 | 3.12 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3209 | MH-3208 | MH-3209 | 487.43 | 484.15 | 484.07 | 150.0 | 35 | 2.79 | 450.00 | 0.010 | 0.39 | 0.14 |
| CO-3210 | MH-3209 | MH-3210 | 486.68 | 484.07 | 484.04 | 150.0 | 16 | 2.30 | 450.00 | 0.010 | 0.40 | 0.15 |
| CO-3211 | MH-3210 | MH-3211 | 486.32 | 484.04 | 483.99 | 150.0 | 22 | 1.97 | 450.00 | 0.010 | 0.41 | 0.16 |
| CO-3212 | MH-3211 | MH-3212 | 485.94 | 483.99 | 483.93 | 150.0 | 25 | 1.76 | 450.00 | 0.010 | 0.42 | 0.18 |
| CO-3215 | MH-3212 | MH-3215 | 485.80 | 483.93 | 483.85 | 150.0 | 39 | 2.01 | 450.00 | 0.010 | 0.45 | 0.21 |
| CO-3216 | MH-3215 | MH-3216 | 486.30 | 483.85 | 483.80 | 150.0 | 21 | 2.15 | 450.00 | 0.010 | 0.45 | 0.23 |
| CO-3217 | MH-3216 | MH-3195 | 485.94 | 483.80 | 483.75 | 150.0 | 23 | 1.86 | 450.00 | 0.010 | 0.46 | 0.24 |
| CO-3190 | MH-3188 | MH-3189 | 486.27 | 485.12 | 484.78 | 150.0 | 30 | 1.00 | 90.33 | 0.010 | 0.34 | 0.01 |
| CO-3191 | MH-3189 | MH-3190 | 485.93 | 484.78 | 484.72 | 150.0 | 23 | 1.00 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3192 | MH-3190 | MH-3191 | 485.88 | 484.72 | 484.59 | 150.0 | 24 | 1.00 | 181.49 | 0.010 | 0.37 | 0.04 |
| CO-3193 | MH-3191 | MH-3192 | 485.74 | 484.59 | 484.50 | 150.0 | 32 | 1.00 | 360.04 | 0.010 | 0.32 | 0.05 |
| CO-3194 | MH-3192 | MH-3193 | 485.65 | 484.50 | 484.44 | 150.0 | 27 | 1.07 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3195 | MH-3193 | MH-3194 | 485.72 | 484.44 | 484.37 | 150.0 | 30 | 1.14 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3196 | MH-3194 | MH-3195 | 485.67 | 484.37 | 483.75 | 150.0 | 30 | 1.44 | 47.35 | 0.010 | 0.77 | 0.09 |
| CO-3223 | MH-3195 | MH-3222 | 485.62 | 483.75 | 483.37 | 150.0 | 43 | 1.68 | 114.78 | 0.010 | 0.83 | 0.34 |
| CO-3240 | MH-3222 | MH-3239 | 485.16 | 483.37 | 483.33 | 150.0 | 21 | 1.51 | 450.00 | 0.010 | 0.57 | 0.54 |
| CO-3241 | MH-3239 | MH-3240 | 484.85 | 483.33 | 483.22 | 150.0 | 30 | 1.19 | 283.97 | 0.010 | 0.68 | 0.55 |
| CO-3242 | MH-3240 | MH-3241 | 484.37 | 483.22 | 482.76 | 150.0 | 23 | 1.00 | 49.75 | 0.010 | 1.29 | 0.56 |
| CO-3253 | MH-3241 | MH-3252 | 483.91 | 482.06 | 481.99 | 150.0 | 30 | 1.55 | 450.00 | 0.010 | 0.60 | 0.70 |
| CO-3254 | MH-3252 | MH-3253 | 483.55 | 481.99 | 481.93 | 150.0 | 25 | 1.29 | 450.00 | 0.010 | 0.60 | 0.72 |
| CO-3255 | MH-3253 | MH-3254 | 483.26 | 481.93 | 481.85 | 150.0 | 37 | 1.20 | 450.00 | 0.010 | 0.60 | 0.73 |
| CO-3268 | MH-3254 | MH-3267 | 483.23 | 481.85 | 481.80 | 150.0 | 22 | 1.21 | 450.00 | 0.010 | 0.60 | 0.74 |
| CO-3269 | MH-3267 | MH-3268 | 483.14 | 481.80 | 481.75 | 150.0 | 23 | 1.25 | 450.00 | 0.010 | 0.60 | 0.75 |
| CO-3270 | MH-3268 | MH-3269 | 483.21 | 481.75 | 481.69 | 150.0 | 29 | 1.32 | 450.00 | 0.010 | 0.60 | 0.77 |
| CO-3273 | MH-3269 | MH-3272 | 483.17 | 481.69 | 481.62 | 150.0 | 30 | 1.22 | 450.00 | 0.010 | 0.60 | 0.78 |
| CO-3274 | MH-3272 | MH-3273 | 482.90 | 481.62 | 481.45 | 150.0 | 30 | 1.23 | 170.00 | 0.010 | 0.90 | 0.79 |
| CO-3275 | MH-3273 | MH-3274 | 482.93 | 481.45 | 481.26 | 150.0 | 31 | 1.47 | 170.00 | 0.010 | 0.90 | 0.80 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3276 | MH-3274 | MH-3275 | 483.02 | 481.26 | 481.05 | 150.0 | 36 | 1.93 | 170.00 | 0.010 | 0.91 | 0.82 |
| CO-5701 | MH-3275 | MH-5521 | 483.46 | 481.05 | 480.88 | 150.0 | 29 | 2.52 | 170.00 | 0.010 | 0.91 | 0.83 |
| CO-3280 | MH-3279 | MH-3280 | 484.09 | 482.94 | 482.83 | 150.0 | 23 | 1.02 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3281 | MH-3280 | MH-3281 | 484.03 | 482.83 | 482.75 | 150.0 | 32 | 1.10 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3282 | MH-3281 | MH-3282 | 484.05 | 482.75 | 482.69 | 150.0 | 27 | 1.18 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3283 | MH-3282 | MH-3283 | 484.05 | 482.69 | 482.63 | 150.0 | 28 | 1.23 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3284 | MH-3283 | MH-3284 | 484.02 | 482.63 | 482.56 | 150.0 | 30 | 1.32 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3285 | MH-3284 | MH-3285 | 484.11 | 482.56 | 482.49 | 150.0 | 31 | 1.50 | 450.00 | 0.010 | 0.33 | 0.08 |
| CO-3286 | MH-3285 | MH-3286 | 484.23 | 482.49 | 482.43 | 150.0 | 26 | 1.73 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3287 | MH-3286 | MH-3287 | 484.46 | 482.43 | 482.35 | 150.0 | 36 | 1.89 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3288 | MH-3287 | MH-3278 | 484.40 | 482.35 | 482.29 | 150.0 | 28 | 1.72 | 450.00 | 0.010 | 0.37 | 0.11 |
| CO-3279 | MH-3278 | MH-3277 | 483.99 | 482.22 | 482.29 | 150.0 | 31 | 1.67 | 450.00 | 0.010 | 0.38 | 0.13 |
| CO-3278 | MH-3277 | MH-5521 | 484.15 | 482.13 | 482.22 | 150.0 | 42 | 1.66 | 450.00 | 0.010 | 0.39 | 0.14 |
| CO-5703 | MH-5521 | MH-3390 | 483.81 | 480.88 | 480.66 | 150.0 | 38 | 2.63 | 170.00 | 0.010 | 0.94 | 0.98 |
| CO-3391 | MH-3390 | MH-3391 | 483.30 | 480.66 | 480.47 | 150.0 | 33 | 2.27 | 170.00 | 0.010 | 0.94 | 0.99 |
| CO-3392 | MH-3391 | MH-3392 | 482.66 | 480.45 | 480.37 | 170.0 | 34 | 1.74 | 450.00 | 0.010 | 0.65 | 1.00 |
| CO-3393 | MH-3392 | MH-3393 | 481.98 | 480.37 | 480.32 | 170.0 | 24 | 1.34 | 450.00 | 0.010 | 0.65 | 1.02 |
| CO-3394 | MH-3393 | MH-3394 | 481.72 | 480.32 | 480.26 | 170.0 | 14 | 1.12 | 268.97 | 0.010 | 0.80 | 1.03 |
| CO-3395 | MH-3394 | MH-3395 | 481.43 | 480.26 | 480.15 | 170.0 | 19 | 1.01 | 170.00 | 0.010 | 0.96 | 1.04 |
| CO-3396 | MH-3395 | MH-3396 | 481.33 | 480.15 | 479.98 | 170.0 | 30 | 1.05 | 170.00 | 0.010 | 0.97 | 1.05 |
| CO-3397 | MH-3396 | MH-3397 | 481.23 | 479.98 | 479.81 | 170.0 | 29 | 1.17 | 170.00 | 0.010 | 0.97 | 1.07 |
| CO-3398 | MH-3397 | MH-3398 | 481.23 | 479.81 | 479.65 | 170.0 | 27 | 1.41 | 170.00 | 0.010 | 0.97 | 1.08 |
| CO-3399 | MH-3398 | MH-3399 | 481.39 | 479.65 | 479.49 | 170.0 | 27 | 1.79 | 170.00 | 0.010 | 0.97 | 1.09 |
| CO-5519 | MH-5515 | MH-5514 | 482.27 | 480.78 | 481.12 | 150.0 | 25 | 1.00 | 74.55 | 0.010 | 0.36 | 0.01 |
| CO-5518 | MH-5514 | MH-3399 | 481.93 | 480.52 | 480.78 | 150.0 | 34 | 1.00 | 132.75 | 0.010 | 0.36 | 0.02 |
| CO-3402 | MH-3399 | MH-3402 | 481.67 | 479.49 | 479.39 | 170.0 | 20 | 2.04 | 200.00 | 0.010 | 0.93 | 1.15 |
| CO-3405 | MH-3402 | MH-3405 | 481.62 | 479.39 | 479.30 | 170.0 | 18 | 2.10 | 200.00 | 0.010 | 0.97 | 1.43 |
| CO-3414 | MH-3405 | MH-3414 | 481.62 | 479.30 | 479.18 | 170.0 | 26 | 2.22 | 200.00 | 0.010 | 0.98 | 1.56 |
| CO-3415 | MH-3414 | MH-3415 | 481.64 | 479.18 | 479.07 | 170.0 | 20 | 2.42 | 200.00 | 0.010 | 0.98 | 1.58 |
| CO-3418 | MH-3418 | MH-3415 | 481.22 | 478.96 | 479.07 | 170.0 | 23 | 2.32 | 200.00 | 0.010 | 0.98 | 1.59 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3417 | MH-3417 | MH-3418 | 480.78 | 478.79 | 478.96 | 170.0 | 33 | 1.96 | 200.00 | 0.010 | 0.98 | 1.60 |
| CO-3416 | MH-3416 | MH-3417 | 480.90 | 478.61 | 478.79 | 170.0 | 37 | 1.97 | 200.00 | 0.010 | 0.98 | 1.61 |
| CO-5681 | MH-3416 | MH-3382 | 480.90 | 478.61 | 478.45 | 170.0 | 32 | 2.32 | 200.00 | 0.010 | 0.98 | 1.63 |
| CO-3383 | MH-3382 | MH-3380 | 481.14 | 478.45 | 478.25 | 170.0 | 40 | 2.64 | 200.00 | 0.010 | 0.98 | 1.66 |
| CO-3384 | MH-3380 | MH-3383 | 481.18 | 478.25 | 478.15 | 170.0 | 21 | 2.87 | 200.00 | 0.010 | 0.98 | 1.68 |
| CO-3385 | MH-3383 | MH-3384 | 481.30 | 478.12 | 478.00 | 200.0 | 23 | 3.09 | 200.00 | 0.010 | 1.02 | 1.69 |
| CO-5763 | MH-5673 | MH-5706 | 482.32 | 481.17 | 480.94 | 150.0 | 30 | 1.00 | 127.62 | 0.010 | 0.30 | 0.01 |
| CO-5765 | MH-5706 | MH-5707 | 482.09 | 480.94 | 480.80 | 150.0 | 29 | 1.00 | 206.59 | 0.010 | 0.31 | 0.02 |
| CO-5767 | MH-5707 | MH-5708 | 481.95 | 480.80 | 480.67 | 150.0 | 29 | 1.00 | 229.25 | 0.010 | 0.34 | 0.04 |
| CO-5769 | MH-5708 | MH-5709 | 481.82 | 480.67 | 480.46 | 150.0 | 33 | 1.00 | 156.15 | 0.010 | 0.42 | 0.05 |
| CO-5770 | MH-5709 | MH-3384 | 481.61 | 480.46 | 480.26 | 150.0 | 32 | 1.00 | 156.15 | 0.010 | 0.45 | 0.06 |
| CO-3426 | MH-3384 | MH-3425 | 481.41 | 477.95 | 477.88 | 250.0 | 32 | 3.31 | 450.00 | 0.010 | 0.77 | 1.85 |
| CO-3427 | MH-3425 | MH-3426 | 481.55 | 477.88 | 477.31 | 250.0 | 41 | 3.80 | 72.18 | 0.010 | 1.52 | 1.86 |
| CO-5595 | MH-5580 | MH-5579 | 478.99 | 477.69 | 477.84 | 150.0 | 32 | 1.48 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5594 | MH-5579 | MH-5578 | 479.80 | 477.61 | 477.69 | 150.0 | 30 | 2.22 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5593 | MH-5578 | MH-5577 | 480.24 | 477.55 | 477.61 | 150.0 | 29 | 2.70 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-5592 | MH-5577 | MH-5576 | 480.62 | 477.48 | 477.55 | 150.0 | 30 | 3.20 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-5591 | MH-5576 | MH-3426 | 481.09 | 477.41 | 477.48 | 150.0 | 30 | 3.82 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3430 | MH-3426 | MH-3429 | 481.74 | 477.31 | 477.21 | 250.0 | 43 | 3.99 | 450.00 | 0.010 | 0.78 | 1.96 |
| CO-3537 | MH-3536 | MH-3429 | 480.98 | 477.16 | 477.21 | 250.0 | 24 | 3.68 | 450.00 | 0.010 | 0.78 | 1.97 |
| CO-5545 | MH-5539 | MH-3536 | 480.74 | 477.12 | 477.16 | 250.0 | 19 | 3.47 | 450.00 | 0.010 | 0.79 | 1.99 |
| CO-5636 | MH-5539 | MH-5615 | 480.74 | 477.11 | 477.12 | 250.0 | 6 | 3.36 | 450.00 | 0.010 | 0.79 | 2.00 |
| CO-5537 | MH-3482 | MH-5531 | 488.42 | 487.16 | 487.28 | 150.0 | 25 | 1.05 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-3481 | MH-3482 | MH-3483 | 488.42 | 487.16 | 486.87 | 150.0 | 27 | 1.05 | 91.47 | 0.010 | 0.42 | 0.02 |
| CO-3482 | MH-3483 | MH-3484 | 488.02 | 486.87 | 486.65 | 150.0 | 20 | 1.00 | 94.56 | 0.010 | 0.46 | 0.04 |
| CO-3483 | MH-3484 | MH-3481 | 487.80 | 486.65 | 486.29 | 150.0 | 25 | 1.00 | 70.04 | 0.010 | 0.56 | 0.05 |
| CO-3474 | MH-3475 | MH-3476 | 489.49 | 488.34 | 488.14 | 150.0 | 32 | 1.00 | 159.48 | 0.010 | 0.28 | 0.01 |
| CO-3475 | MH-3476 | MH-3477 | 489.29 | 488.14 | 488.07 | 150.0 | 28 | 1.03 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3476 | MH-3477 | MH-3478 | 489.27 | 488.07 | 487.55 | 150.0 | 34 | 1.03 | 64.70 | 0.010 | 0.54 | 0.04 |
| CO-3477 | MH-3478 | MH-3479 | 488.70 | 487.55 | 487.16 | 150.0 | 36 | 1.00 | 91.53 | 0.010 | 0.51 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3478 | MH-3479 | MH-3480 | 488.31 | 487.16 | 486.73 | 150.0 | 32 | 1.00 | 74.80 | 0.010 | 0.59 | 0.06 |
| CO-3479 | MH-3480 | MH-3474 | 487.88 | 486.73 | 486.44 | 150.0 | 23 | 1.00 | 79.05 | 0.010 | 0.61 | 0.08 |
| CO-3471 | MH-3472 | MH-3473 | 488.62 | 487.47 | 487.33 | 150.0 | 28 | 1.00 | 200.49 | 0.010 | 0.26 | 0.01 |
| CO-3472 | MH-3473 | MH-3471 | 488.48 | 487.33 | 486.73 | 150.0 | 29 | 1.00 | 48.07 | 0.010 | 0.52 | 0.03 |
| CO-3468 | MH-3469 | MH-3470 | 488.18 | 487.03 | 486.90 | 150.0 | 28 | 1.06 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3469 | MH-3470 | MH-3468 | 488.17 | 486.90 | 486.82 | 150.0 | 30 | 1.16 | 394.70 | 0.010 | 0.25 | 0.03 |
| CO-3465 | MH-3466 | MH-3467 | 488.89 | 487.74 | 487.59 | 150.0 | 30 | 1.00 | 194.94 | 0.010 | 0.26 | 0.01 |
| CO-3466 | MH-3467 | MH-3465 | 488.74 | 487.59 | 487.21 | 150.0 | 30 | 1.00 | 79.39 | 0.010 | 0.44 | 0.03 |
| CO-3462 | MH-3463 | MH-3464 | 489.21 | 488.06 | 487.93 | 150.0 | 28 | 1.04 | 213.55 | 0.010 | 0.25 | 0.01 |
| CO-3463 | MH-3464 | MH-3462 | 489.15 | 487.93 | 487.51 | 150.0 | 31 | 1.04 | 74.65 | 0.010 | 0.45 | 0.03 |
| CO-3459 | MH-3459 | MH-3460 | 489.18 | 488.03 | 487.87 | 150.0 | 34 | 1.00 | 208.91 | 0.010 | 0.25 | 0.01 |
| CO-3460 | MH-3460 | MH-3461 | 489.02 | 487.87 | 487.56 | 150.0 | 32 | 1.00 | 102.93 | 0.010 | 0.40 | 0.03 |
| CO-3461 | MH-3461 | MH-3462 | 488.71 | 487.56 | 487.51 | 150.0 | 15 | 1.00 | 330.50 | 0.010 | 0.30 | 0.04 |
| CO-3464 | MH-3462 | MH-3465 | 488.66 | 487.51 | 487.21 | 150.0 | 24 | 1.00 | 78.01 | 0.010 | 0.61 | 0.08 |
| CO-3467 | MH-3465 | MH-3468 | 488.36 | 487.21 | 486.82 | 150.0 | 21 | 1.10 | 53.48 | 0.010 | 0.79 | 0.11 |
| CO-3470 | MH-3468 | MH-3471 | 488.17 | 486.82 | 486.73 | 150.0 | 19 | 1.10 | 203.80 | 0.010 | 0.54 | 0.15 |
| CO-3473 | MH-3471 | MH-3474 | 487.88 | 486.73 | 486.44 | 150.0 | 21 | 1.00 | 75.14 | 0.010 | 0.82 | 0.19 |
| CO-3480 | MH-3474 | MH-3481 | 487.59 | 486.44 | 486.29 | 150.0 | 16 | 1.00 | 104.52 | 0.010 | 0.81 | 0.28 |
| CO-3484 | MH-3481 | MH-3485 | 487.44 | 486.29 | 485.99 | 150.0 | 18 | 1.00 | 60.67 | 0.010 | 1.04 | 0.34 |
| CO-5540 | MH-5533 | MH-5534 | 487.46 | 486.31 | 486.78 | 150.0 | 28 | 1.00 | 59.44 | 0.010 | 0.39 | 0.01 |
| CO-5539 | MH-5532 | MH-5533 | 487.29 | 486.14 | 486.31 | 150.0 | 14 | 1.00 | 86.37 | 0.010 | 0.42 | 0.02 |
| CO-5538 | MH-3485 | MH-5532 | 487.14 | 485.99 | 486.14 | 150.0 | 16 | 1.00 | 108.18 | 0.010 | 0.44 | 0.04 |
| CO-3485 | MH-3485 | MH-3486 | 487.14 | 485.99 | 485.63 | 150.0 | 18 | 1.00 | 50.41 | 0.010 | 1.16 | 0.39 |
| CO-5542 | MH-5535 | MH-5536 | 486.95 | 485.80 | 486.22 | 150.0 | 27 | 1.00 | 64.21 | 0.010 | 0.38 | 0.01 |
| CO-5541 | MH-3486 | MH-5535 | 486.78 | 485.63 | 485.80 | 150.0 | 25 | 1.00 | 154.56 | 0.010 | 0.35 | 0.02 |
| CO-3486 | MH-3486 | MH-3487 | 486.78 | 485.63 | 485.12 | 150.0 | 38 | 1.00 | 74.11 | 0.010 | 1.03 | 0.43 |
| CO-3449 | MH-3450 | MH-3451 | 488.07 | 486.92 | 486.50 | 150.0 | 27 | 1.00 | 63.86 | 0.010 | 0.38 | 0.01 |
| CO-3450 | MH-3451 | MH-3452 | 487.65 | 486.50 | 485.92 | 150.0 | 34 | 1.00 | 57.86 | 0.010 | 0.49 | 0.03 |
| CO-3451 | MH-3452 | MH-3453 | 487.07 | 485.92 | 485.49 | 150.0 | 32 | 1.00 | 75.25 | 0.010 | 0.51 | 0.04 |
| CO-3452 | MH-3453 | MH-3454 | 486.64 | 485.49 | 485.28 | 150.0 | 26 | 1.00 | 125.81 | 0.010 | 0.46 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5775 | MH-5676 | MH-5712 | 487.52 | 486.37 | 486.09 | 150.0 | 30 | 1.00 | 105.50 | 0.010 | 0.32 | 0.01 |
| CO-5777 | MH-5712 | MH-5713 | 487.24 | 486.09 | 485.61 | 150.0 | 31 | 1.00 | 64.33 | 0.010 | 0.47 | 0.02 |
| CO-5779 | MH-5713 | MH-5714 | 486.76 | 485.61 | 485.05 | 150.0 | 23 | 1.00 | 40.77 | 0.010 | 0.62 | 0.04 |
| CO-5780 | MH-5714 | MH-5677 | 486.20 | 485.05 | 484.50 | 150.0 | 23 | 1.00 | 40.77 | 0.010 | 0.68 | 0.05 |
| CO-5781 | MH-5677 | MH-5715 | 485.65 | 484.50 | 484.43 | 150.0 | 31 | 1.23 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-5782 | MH-5715 | MH-3454 | 486.05 | 484.43 | 484.37 | 150.0 | 30 | 1.69 | 450.00 | 0.010 | 0.33 | 0.07 |
| CO-5533 | MH-3454 | MH-5529 | 486.43 | 484.37 | 484.33 | 150.0 | 14 | 1.81 | 450.00 | 0.010 | 0.39 | 0.14 |
| CO-5534 | MH-5529 | MH-5530 | 486.19 | 484.33 | 484.29 | 150.0 | 22 | 1.57 | 450.00 | 0.010 | 0.40 | 0.15 |
| CO-5721 | MH-5684 | MH-5685 | 487.28 | 486.13 | 485.84 | 150.0 | 13 | 1.00 | 45.19 | 0.010 | 0.43 | 0.01 |
| CO-5791 | MH-5685 | MH-5721 | 486.99 | 485.84 | 485.50 | 150.0 | 22 | 1.00 | 63.68 | 0.010 | 0.47 | 0.02 |
| CO-5792 | MH-5721 | MH-3448 | 486.65 | 485.50 | 485.20 | 150.0 | 19 | 1.00 | 63.68 | 0.010 | 0.53 | 0.04 |
| CO-3448 | MH-3448 | MH-3449 | 486.35 | 485.20 | 484.89 | 150.0 | 18 | 1.00 | 56.72 | 0.010 | 0.60 | 0.05 |
| CO-3456 | MH-3449 | MH-3457 | 486.04 | 484.89 | 484.66 | 150.0 | 35 | 1.00 | 154.64 | 0.010 | 0.45 | 0.06 |
| CO-5536 | MH-5530 | MH-3457 | 485.86 | 484.29 | 484.66 | 150.0 | 23 | 1.21 | 62.21 | 0.010 | 0.66 | 0.07 |
| CO-5535 | MH-3489 | MH-5530 | 486.53 | 484.20 | 484.29 | 150.0 | 38 | 1.80 | 450.00 | 0.010 | 0.46 | 0.24 |
| CO-3488 | MH-3489 | MH-3490 | 486.53 | 484.20 | 484.15 | 150.0 | 24 | 2.26 | 450.00 | 0.010 | 0.47 | 0.25 |
| CO-3489 | MH-3490 | MH-3488 | 486.64 | 484.15 | 483.54 | 150.0 | 28 | 2.40 | 45.59 | 0.010 | 1.07 | 0.26 |
| CO-5787 | MH-5717 | MH-5719 | 485.88 | 484.73 | 484.62 | 150.0 | 24 | 1.02 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5788 | MH-5719 | MH-3491 | 485.80 | 484.62 | 484.56 | 150.0 | 22 | 1.03 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5785 | MH-5716 | MH-5718 | 485.85 | 484.70 | 484.42 | 150.0 | 22 | 1.00 | 79.35 | 0.010 | 0.35 | 0.01 |
| CO-5786 | MH-5718 | MH-3445 | 485.57 | 484.42 | 484.14 | 150.0 | 23 | 1.00 | 79.35 | 0.010 | 0.44 | 0.02 |
| CO-5532 | MH-5527 | MH-5528 | 488.14 | 486.78 | 486.85 | 150.0 | 15 | 1.11 | 209.69 | 0.010 | 0.25 | 0.01 |
| CO-5531 | MH-5526 | MH-5527 | 488.21 | 486.74 | 486.78 | 150.0 | 15 | 1.27 | 387.94 | 0.010 | 0.25 | 0.02 |
| CO-5530 | MH-3430 | MH-5526 | 488.21 | 486.71 | 486.74 | 150.0 | 15 | 1.34 | 450.00 | 0.010 | 0.27 | 0.04 |
| CO-3431 | MH-3430 | MH-3431 | 488.21 | 486.71 | 486.64 | 150.0 | 30 | 1.54 | 450.00 | 0.010 | 0.29 | 0.05 |
| CO-3432 | MH-3431 | MH-3432 | 488.52 | 486.64 | 486.58 | 150.0 | 30 | 1.70 | 450.00 | 0.010 | 0.31 | 0.06 |
| CO-3433 | MH-3432 | MH-3433 | 488.39 | 486.58 | 486.51 | 150.0 | 29 | 1.66 | 450.00 | 0.010 | 0.33 | 0.07 |
| CO-3434 | MH-3433 | MH-3434 | 488.32 | 486.51 | 486.45 | 150.0 | 29 | 1.68 | 450.00 | 0.010 | 0.35 | 0.09 |
| CO-3435 | MH-3434 | MH-3435 | 488.31 | 486.45 | 486.38 | 150.0 | 31 | 1.39 | 450.00 | 0.010 | 0.36 | 0.10 |
| CO-3436 | MH-3435 | MH-3436 | 487.60 | 486.38 | 486.25 | 150.0 | 28 | 1.03 | 217.21 | 0.010 | 0.48 | 0.11 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3437 | MH-3436 | MH-3437 | 487.40 | 486.25 | 486.20 | 150.0 | 24 | 1.05 | 450.00 | 0.010 | 0.38 | 0.12 |
| CO-3438 | MH-3437 | MH-3438 | 487.45 | 486.20 | 485.92 | 150.0 | 28 | 1.05 | 100.21 | 0.010 | 0.67 | 0.14 |
| CO-3439 | MH-3438 | MH-3439 | 487.07 | 485.92 | 485.62 | 150.0 | 21 | 1.00 | 70.80 | 0.010 | 0.78 | 0.15 |
| CO-3440 | MH-3439 | MH-3440 | 486.77 | 485.62 | 485.40 | 150.0 | 16 | 1.00 | 72.31 | 0.010 | 0.79 | 0.16 |
| CO-3441 | MH-3440 | MH-3441 | 486.55 | 485.40 | 485.18 | 150.0 | 29 | 1.00 | 133.32 | 0.010 | 0.65 | 0.18 |
| CO-3442 | MH-3441 | MH-3442 | 486.33 | 485.18 | 484.63 | 150.0 | 28 | 1.00 | 49.91 | 0.010 | 0.94 | 0.19 |
| CO-3443 | MH-3442 | MH-3443 | 485.78 | 484.63 | 483.96 | 150.0 | 33 | 1.00 | 48.85 | 0.010 | 0.96 | 0.20 |
| CO-3444 | MH-3443 | MH-3444 | 485.11 | 483.96 | 483.72 | 150.0 | 18 | 1.00 | 75.52 | 0.010 | 0.84 | 0.21 |
| CO-3445 | MH-3444 | MH-3445 | 484.87 | 483.72 | 483.66 | 150.0 | 27 | 1.24 | 450.00 | 0.010 | 0.45 | 0.23 |
| CO-3493 | MH-3491 | MH-3445 | 485.73 | 483.60 | 483.66 | 150.0 | 29 | 1.73 | 450.00 | 0.010 | 0.47 | 0.26 |
| CO-3490 | MH-3488 | MH-3491 | 486.16 | 483.54 | 483.60 | 150.0 | 27 | 2.22 | 450.00 | 0.010 | 0.49 | 0.30 |
| CO-3487 | MH-3487 | MH-3488 | 486.27 | 483.47 | 483.54 | 150.0 | 30 | 2.56 | 450.00 | 0.010 | 0.57 | 0.57 |
| CO-5559 | MH-5551 | MH-5552 | 486.45 | 485.30 | 485.54 | 150.0 | 25 | 1.00 | 104.13 | 0.010 | 0.32 | 0.01 |
| CO-5558 | MH-3487 | MH-5551 | 486.27 | 485.12 | 485.30 | 150.0 | 25 | 1.00 | 134.14 | 0.010 | 0.36 | 0.02 |
| CO-5557 | MH-5550 | MH-3487 | 485.93 | 483.30 | 483.47 | 150.0 | 29 | 2.56 | 170.00 | 0.010 | 0.95 | 1.04 |
| CO-5556 | MH-5549 | MH-5550 | 486.02 | 483.12 | 483.30 | 150.0 | 30 | 2.61 | 170.00 | 0.010 | 0.95 | 1.05 |
| CO-5555 | MH-5548 | MH-5549 | 485.93 | 482.95 | 483.12 | 150.0 | 29 | 2.79 | 170.00 | 0.010 | 0.96 | 1.06 |
| CO-5554 | MH-5547 | MH-5548 | 485.16 | 482.77 | 482.95 | 150.0 | 31 | 2.53 | 170.00 | 0.010 | 0.96 | 1.07 |
| CO-5553 | MH-5546 | MH-5547 | 484.48 | 482.60 | 482.77 | 150.0 | 29 | 1.99 | 170.00 | 0.010 | 0.96 | 1.09 |
| CO-5552 | MH-3525 | MH-5546 | 484.05 | 482.32 | 482.60 | 150.0 | 47 | 1.65 | 170.00 | 0.010 | 0.96 | 1.10 |
| CO-3524 | MH-3525 | MH-3526 | 484.05 | 482.32 | 482.16 | 150.0 | 32 | 1.52 | 200.00 | 0.010 | 0.90 | 1.11 |
| CO-3525 | MH-3526 | MH-3527 | 483.79 | 482.16 | 482.02 | 150.0 | 30 | 1.43 | 200.00 | 0.010 | 0.90 | 1.12 |
| CO-3526 | MH-3527 | MH-3528 | 483.56 | 481.97 | 481.90 | 200.0 | 31 | 1.38 | 450.00 | 0.010 | 0.68 | 1.14 |
| CO-3527 | MH-3528 | MH-3529 | 483.46 | 481.90 | 481.75 | 200.0 | 29 | 1.40 | 200.00 | 0.010 | 0.93 | 1.15 |
| CO-3528 | MH-3529 | MH-3530 | 483.40 | 481.75 | 481.60 | 200.0 | 30 | 1.38 | 200.00 | 0.010 | 0.93 | 1.16 |
| CO-3529 | MH-3530 | MH-3531 | 483.11 | 481.60 | 481.47 | 200.0 | 31 | 1.16 | 239.07 | 0.010 | 0.87 | 1.17 |
| CO-3530 | MH-3531 | MH-3532 | 482.67 | 481.47 | 481.07 | 200.0 | 29 | 1.00 | 71.83 | 0.010 | 1.36 | 1.19 |
| CO-3531 | MH-3532 | MH-3524 | 482.27 | 481.07 | 480.75 | 200.0 | 22 | 1.00 | 68.17 | 0.010 | 1.39 | 1.20 |
| CO-5684 | MH-3730 | MH-5657 | 487.27 | 486.12 | 486.43 | 150.0 | 26 | 1.00 | 84.10 | 0.010 | 0.34 | 0.01 |
| CO-3729 | MH-3729 | MH-3730 | 486.95 | 485.80 | 486.12 | 150.0 | 30 | 1.00 | 92.30 | 0.010 | 0.42 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3728 | MH-3728 | MH-3729 | 486.56 | 485.41 | 485.80 | 150.0 | 36 | 1.00 | 92.51 | 0.010 | 0.47 | 0.04 |
| CO-3727 | MH-3727 | MH-3728 | 486.39 | 485.24 | 485.41 | 150.0 | 24 | 1.00 | 142.66 | 0.010 | 0.44 | 0.05 |
| CO-3726 | MH-3726 | MH-3727 | 486.25 | 485.10 | 485.24 | 150.0 | 27 | 1.00 | 178.53 | 0.010 | 0.43 | 0.06 |
| CO-3725 | MH-3725 | MH-3726 | 486.14 | 484.99 | 485.10 | 150.0 | 33 | 1.00 | 309.49 | 0.010 | 0.38 | 0.08 |
| CO-3724 | MH-3724 | MH-3725 | 486.04 | 484.89 | 484.99 | 150.0 | 29 | 1.00 | 302.75 | 0.010 | 0.40 | 0.09 |
| CO-5562 | MH-3508 | MH-3724 | 485.81 | 484.66 | 484.89 | 150.0 | 22 | 1.00 | 91.16 | 0.010 | 0.63 | 0.10 |
| CO-3508 | MH-3508 | MH-3509 | 485.81 | 484.66 | 484.37 | 150.0 | 29 | 1.00 | 100.67 | 0.010 | 0.63 | 0.11 |
| CO-3509 | MH-3509 | MH-3510 | 485.52 | 484.37 | 483.99 | 150.0 | 32 | 1.00 | 84.76 | 0.010 | 0.69 | 0.13 |
| CO-3510 | MH-3510 | MH-3511 | 485.14 | 483.99 | 483.67 | 150.0 | 30 | 1.00 | 90.16 | 0.010 | 0.70 | 0.14 |
| CO-3511 | MH-3511 | MH-3512 | 484.82 | 483.67 | 483.32 | 150.0 | 32 | 1.00 | 91.02 | 0.010 | 0.71 | 0.15 |
| CO-3512 | MH-3512 | MH-5554 | 484.47 | 483.32 | 483.16 | 150.0 | 28 | 1.00 | 184.41 | 0.010 | 0.57 | 0.16 |
| CO-3513 | MH-5554 | MH-3514 | 484.31 | 483.16 | 482.83 | 150.0 | 30 | 1.00 | 88.11 | 0.010 | 0.75 | 0.18 |
| CO-3514 | MH-3514 | MH-3515 | 483.98 | 482.83 | 482.57 | 150.0 | 23 | 1.00 | 88.25 | 0.010 | 0.77 | 0.19 |
| CO-3515 | MH-3515 | MH-3516 | 483.72 | 482.57 | 481.90 | 150.0 | 34 | 1.00 | 51.27 | 0.010 | 0.95 | 0.20 |
| CO-3516 | MH-3516 | MH-3517 | 483.05 | 481.90 | 481.32 | 150.0 | 28 | 1.00 | 47.69 | 0.010 | 0.99 | 0.21 |
| CO-3523 | MH-3517 | MH-3524 | 482.47 | 481.32 | 480.80 | 150.0 | 30 | 1.00 | 57.62 | 0.010 | 0.94 | 0.23 |
| CO-3532 | MH-3524 | MH-3533 | 481.95 | 480.75 | 480.59 | 200.0 | 30 | 1.00 | 190.98 | 0.010 | 1.00 | 1.44 |
| CO-3533 | MH-3533 | MH-3534 | 481.79 | 480.59 | 480.24 | 200.0 | 30 | 1.00 | 86.56 | 0.010 | 1.35 | 1.45 |
| CO-3534 | MH-3534 | MH-3507 | 481.44 | 480.24 | 479.69 | 200.0 | 31 | 1.00 | 56.49 | 0.010 | 1.58 | 1.46 |
| CO-3535 | MH-3507 | MH-3535 | 480.89 | 479.69 | 479.49 | 200.0 | 32 | 1.00 | 163.20 | 0.010 | 1.07 | 1.47 |
| CO-5635 | MH-3535 | MH-5615 | 480.69 | 479.49 | 479.41 | 200.0 | 16 | 1.05 | 200.00 | 0.010 | 0.99 | 1.49 |
| CO-5640 | MH-5615 | MH-5617 | 480.72 | 476.98 | 477.06 | 300.0 | 32 | 2.77 | 450.00 | 0.010 | 0.90 | 3.50 |
| CO-5639 | MH-5617 | MH-5614 | 479.47 | 476.88 | 476.98 | 300.0 | 46 | 2.02 | 450.00 | 0.010 | 0.90 | 3.51 |
| CO-5634 | MH-5614 | MH-5613 | 479.04 | 476.82 | 476.88 | 300.0 | 26 | 1.71 | 450.00 | 0.010 | 0.90 | 3.52 |
| CO-5633 | MH-5613 | MH-5612 | 478.69 | 476.77 | 476.82 | 300.0 | 27 | 1.54 | 450.00 | 0.010 | 0.90 | 3.54 |
| CO-5632 | MH-5612 | MH-5611 | 478.58 | 476.70 | 476.77 | 300.0 | 30 | 1.51 | 450.00 | 0.010 | 0.91 | 3.55 |
| CO-5631 | MH-5611 | MH-5610 | 478.51 | 476.65 | 476.70 | 300.0 | 20 | 1.48 | 450.00 | 0.010 | 0.91 | 3.56 |
| CO-5630 | MH-5610 | MH-5609 | 478.40 | 476.60 | 476.65 | 300.0 | 24 | 1.35 | 450.00 | 0.010 | 0.91 | 3.57 |
| CO-5629 | MH-5609 | MH-5608 | 478.16 | 476.54 | 476.60 | 300.0 | 26 | 1.26 | 450.00 | 0.010 | 0.91 | 3.59 |
| CO-5628 | MH-5608 | MH-5607 | 478.10 | 476.48 | 476.54 | 300.0 | 27 | 1.21 | 450.00 | 0.010 | 0.91 | 3.60 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5627 | MH-5607 | MH-5606 | 477.93 | 476.42 | 476.48 | 300.0 | 26 | 1.13 | 450.00 | 0.010 | 0.91 | 3.61 |
| CO-5626 | MH-5606 | MH-5605 | 477.84 | 476.39 | 476.42 | 300.0 | 18 | 1.07 | 450.00 | 0.010 | 0.91 | 3.62 |
| CO-5625 | MH-5605 | MH-5604 | 477.71 | 476.11 | 476.39 | 300.0 | 12 | 1.01 | 43.56 | 0.010 | 2.16 | 3.63 |
| CO-5624 | MH-5604 | MH-5603 | 477.41 | 475.82 | 476.11 | 300.0 | 34 | 1.00 | 117.90 | 0.010 | 1.51 | 3.65 |
| CO-5623 | MH-5603 | MH-5602 | 477.12 | 475.66 | 475.82 | 300.0 | 27 | 1.00 | 170.63 | 0.010 | 1.32 | 3.66 |
| CO-5622 | MH-5602 | MH-5601 | 476.96 | 475.59 | 475.66 | 300.0 | 30 | 1.19 | 450.00 | 0.010 | 0.91 | 3.67 |
| CO-5621 | MH-5601 | MH-5600 | 477.27 | 475.53 | 475.59 | 300.0 | 29 | 1.59 | 450.00 | 0.010 | 0.91 | 3.68 |
| CO-5620 | MH-5600 | MH-5599 | 477.62 | 475.45 | 475.53 | 300.0 | 36 | 1.80 | 450.00 | 0.010 | 0.91 | 3.71 |
| CO-5619 | MH-5599 | MH-5598 | 477.55 | 475.37 | 475.45 | 300.0 | 36 | 1.93 | 450.00 | 0.010 | 0.91 | 3.72 |
| CO-5618 | MH-5598 | MH-5597 | 477.72 | 475.30 | 475.37 | 300.0 | 30 | 2.11 | 450.00 | 0.010 | 0.91 | 3.73 |
| CO-5617 | MH-5597 | MH-3618 | 477.77 | 475.23 | 475.30 | 300.0 | 31 | 2.37 | 450.00 | 0.010 | 0.92 | 3.75 |
| CO-3620 | MH-3618 | MH-3619 | 478.09 | 475.23 | 475.17 | 300.0 | 30 | 2.75 | 450.00 | 0.010 | 0.92 | 3.76 |
| CO-3621 | MH-3619 | MH-3620 | 478.40 | 475.17 | 475.10 | 300.0 | 30 | 3.04 | 450.00 | 0.010 | 0.92 | 3.77 |
| CO-3624 | MH-3620 | MH-3623 | 478.55 | 475.10 | 475.07 | 300.0 | 16 | 3.23 | 450.00 | 0.010 | 0.92 | 3.81 |
| CO-3625 | MH-3623 | MH-3624 | 478.68 | 475.07 | 475.02 | 300.0 | 22 | 3.45 | 450.00 | 0.010 | 0.92 | 3.82 |
| CO-3626 | MH-3624 | MH-3625 | 478.90 | 475.02 | 474.95 | 300.0 | 29 | 3.66 | 450.00 | 0.010 | 0.92 | 3.83 |
| CO-3627 | MH-3625 | MH-3626 | 478.99 | 474.95 | 474.89 | 300.0 | 30 | 3.79 | 450.00 | 0.010 | 0.92 | 3.85 |
| CO-3628 | MH-3626 | MH-3627 | 479.04 | 474.89 | 474.82 | 300.0 | 30 | 3.78 | 450.00 | 0.010 | 0.92 | 3.86 |
| CO-3689 | MH-3627 | MH-3688 | 478.83 | 474.77 | 474.70 | 350.0 | 30 | 3.64 | 450.00 | 0.010 | 1.03 | 6.00 |
| CO-3690 | MH-3688 | MH-3689 | 478.63 | 474.70 | 474.65 | 350.0 | 26 | 3.48 | 450.00 | 0.010 | 1.03 | 6.01 |
| CO-3691 | MH-3689 | MH-3690 | 478.38 | 474.65 | 474.61 | 350.0 | 19 | 3.31 | 450.00 | 0.010 | 1.03 | 6.02 |
| CO-3699 | MH-3690 | MH-3698 | 478.19 | 474.61 | 474.54 | 350.0 | 30 | 3.15 | 450.00 | 0.010 | 1.03 | 6.12 |
| CO-3700 | MH-3698 | MH-3699 | 477.95 | 474.54 | 474.46 | 350.0 | 36 | 2.91 | 450.00 | 0.010 | 1.03 | 6.14 |
| CO-3701 | MH-3699 | MH-3700 | 477.56 | 474.46 | 474.39 | 350.0 | 33 | 2.59 | 450.00 | 0.010 | 1.03 | 6.15 |
| CO-3702 | MH-3700 | MH-3701 | 477.16 | 474.39 | 474.31 | 350.0 | 34 | 2.24 | 450.00 | 0.010 | 1.03 | 6.16 |
| CO-3709 | MH-3701 | MH-3708 | 476.72 | 474.31 | 474.25 | 350.0 | 28 | 1.91 | 450.00 | 0.010 | 1.03 | 6.26 |
| CO-3710 | MH-3708 | MH-3709 | 476.36 | 474.25 | 474.18 | 350.0 | 33 | 1.66 | 450.00 | 0.010 | 1.04 | 6.27 |
| CO-3711 | MH-3709 | MH-3710 | 476.09 | 474.18 | 474.05 | 350.0 | 41 | 1.52 | 339.39 | 0.010 | 1.04 | 6.29 |
| CO-3712 | MH-3710 | MH-3711 | 475.88 | 474.05 | 474.02 | 350.0 | 15 | 1.42 | 468.75 | 0.010 | 1.04 | 6.30 |
| CO-3713 | MH-3711 | MH-3712 | 475.73 | 474.02 | 473.99 | 350.0 | 16 | 1.33 | 433.33 | 0.010 | 1.04 | 6.31 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-3714 | MH-3712 | MH-3713 | 475.63 | 473.99 | 473.90 | 350.0 | 26 | 1.23 | 300.00 | 0.010 | 1.22 | 6.33 |
| CO-3987 | MH-3713 | OF-2 | 475.42 | 471.63 | 471.56 | 350.0 | 25 | 3.23 | 400.00 | 0.010 | 1.12 | 7.86 |

Hydraulic Model Inventory: Zone X Part II.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part II) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 28-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 424 | Taps | 0 |
| -Circle | 424 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 424 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|-------------------|----------|
| Circle - 150.0 mm | 8,743 m | Circle - 300.0 mm | 746 m |
| Circle - 170.0 mm | 709 m | Circle - 350.0 mm | 183 m |
| Circle - 200.0 mm | 853 m | Total Length | 11,672 m |

Hydraulic Model Inventory: Zone X Part II.stsw

Circle Inventory

Circle - 250.0 mm

439 m

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5631 | MH-5543 | MH-5594 | 484.66 | 483.51 | 483.30 | 150.0 | 31 | 1.00 | 144.896 | 0.010 | 0.28 | 0.01 |
| CO-5633 | MH-5594 | MH-5595 | 484.45 | 483.30 | 483.18 | 150.0 | 16 | 1.00 | 144.896 | 0.010 | 0.35 | 0.02 |
| CO-5635 | MH-5595 | MH-5596 | 484.33 | 483.18 | 482.99 | 150.0 | 28 | 1.00 | 144.896 | 0.010 | 0.39 | 0.03 |
| CO-5636 | MH-5596 | MH-261 | 484.14 | 482.99 | 482.81 | 150.0 | 26 | 1.00 | 144.896 | 0.010 | 0.43 | 0.05 |
| CO-5549 | MH-5544 | MH-5545 | 485.36 | 484.21 | 484.01 | 150.0 | 29 | 1.00 | 146.304 | 0.010 | 0.28 | 0.01 |
| CO-5550 | MH-5545 | MH-256 | 485.16 | 484.01 | 483.81 | 150.0 | 31 | 1.00 | 153.705 | 0.010 | 0.34 | 0.02 |
| CO-5543 | MH-5539 | MH-5540 | 486.65 | 485.50 | 485.30 | 150.0 | 26 | 1.00 | 128.016 | 0.010 | 0.29 | 0.01 |
| CO-5544 | MH-5540 | MH-5541 | 486.45 | 485.30 | 485.15 | 150.0 | 18 | 1.00 | 121.920 | 0.010 | 0.37 | 0.02 |
| CO-5547 | MH-5541 | MH-5542 | 486.30 | 485.15 | 484.95 | 150.0 | 29 | 1.00 | 141.942 | 0.010 | 0.40 | 0.03 |
| CO-5551 | MH-5546 | MH-5547 | 487.25 | 486.10 | 485.90 | 150.0 | 37 | 1.00 | 182.880 | 0.010 | 0.26 | 0.01 |
| CO-5637 | MH-5547 | MH-5597 | 487.05 | 485.90 | 485.68 | 150.0 | 29 | 1.00 | 130.991 | 0.010 | 0.36 | 0.02 |
| CO-5638 | MH-5597 | MH-246 | 486.83 | 485.68 | 485.45 | 150.0 | 30 | 1.00 | 130.991 | 0.010 | 0.41 | 0.03 |
| CO-5639 | MH-5533 | MH-5598 | 486.38 | 485.23 | 485.15 | 150.0 | 32 | 1.35 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-5641 | MH-5598 | MH-5599 | 487.00 | 485.15 | 485.08 | 150.0 | 30 | 1.98 | 450.000 | 0.010 | 0.23 | 0.02 |
| CO-5643 | MH-5599 | MH-5600 | 487.50 | 485.08 | 485.03 | 150.0 | 23 | 2.50 | 450.000 | 0.010 | 0.26 | 0.03 |
| CO-5645 | MH-5600 | MH-5601 | 487.91 | 485.03 | 484.98 | 150.0 | 25 | 2.98 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-5646 | MH-5601 | MH-5534 | 488.36 | 484.98 | 484.95 | 150.0 | 11 | 3.35 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-73 | MH-74 | MH-64 | 484.74 | 483.21 | 483.27 | 150.0 | 23 | 1.19 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-72 | MH-73 | MH-74 | 485.07 | 483.14 | 483.21 | 150.0 | 30 | 1.58 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-71 | MH-72 | MH-73 | 485.45 | 483.08 | 483.14 | 150.0 | 29 | 2.00 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-70 | MH-71 | MH-72 | 485.90 | 483.01 | 483.08 | 150.0 | 29 | 2.48 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-69 | MH-70 | MH-71 | 486.46 | 482.95 | 483.01 | 150.0 | 29 | 3.05 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-68 | MH-69 | MH-70 | 487.04 | 482.88 | 482.95 | 150.0 | 31 | 3.68 | 450.000 | 0.010 | 0.33 | 0.07 |
| CO-67 | MH-68 | MH-69 | 487.58 | 482.81 | 482.88 | 150.0 | 30 | 4.31 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-66 | MH-67 | MH-68 | 487.88 | 482.75 | 482.81 | 150.0 | 27 | 4.79 | 450.000 | 0.010 | 0.36 | 0.10 |
| CO-65 | MH-66 | MH-67 | 488.22 | 482.68 | 482.75 | 150.0 | 32 | 5.18 | 450.000 | 0.010 | 0.37 | 0.11 |
| CO-64 | MH-65 | MH-66 | 488.65 | 482.61 | 482.68 | 150.0 | 30 | 5.64 | 450.000 | 0.010 | 0.38 | 0.12 |
| CO-5524 | MH-65 | MH-236 | 488.65 | 482.61 | 482.59 | 150.0 | 13 | 6.01 | 450.000 | 0.010 | 0.39 | 0.13 |
| CO-5647 | MH-5531 | MH-5602 | 489.80 | 488.65 | 487.61 | 150.0 | 29 | 1.00 | 28.028 | 0.010 | 0.50 | 0.01 |
| CO-5649 | MH-5602 | MH-5603 | 488.76 | 487.61 | 486.33 | 150.0 | 31 | 1.00 | 24.423 | 0.010 | 0.64 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5650 | MH-5603 | MH-5532 | 487.48 | 486.33 | 485.11 | 150.0 | 30 | 1.00 | 24.423 | 0.010 | 0.73 | 0.03 |
| CO-5537 | MH-5532 | MH-231 | 486.26 | 485.11 | 485.07 | 150.0 | 20 | 2.47 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-5507 | MH-5506 | MH-5507 | 487.53 | 485.98 | 486.05 | 150.0 | 30 | 1.20 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-5506 | MH-5505 | MH-5506 | 487.77 | 485.91 | 485.98 | 150.0 | 27 | 1.55 | 450.000 | 0.010 | 0.23 | 0.02 |
| CO-5505 | MH-5504 | MH-5505 | 488.31 | 485.85 | 485.91 | 150.0 | 30 | 2.01 | 450.000 | 0.010 | 0.26 | 0.03 |
| CO-5504 | MH-5503 | MH-5504 | 488.89 | 485.78 | 485.85 | 150.0 | 30 | 2.64 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-5503 | MH-5502 | MH-5503 | 489.43 | 485.71 | 485.78 | 150.0 | 30 | 3.27 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-5502 | MH-5501 | MH-5502 | 489.82 | 485.65 | 485.71 | 150.0 | 30 | 3.80 | 450.000 | 0.010 | 0.32 | 0.07 |
| CO-5525 | MH-5501 | MH-224 | 489.82 | 485.65 | 485.61 | 150.0 | 15 | 4.17 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-5611 | MH-5522 | MH-5584 | 490.46 | 489.31 | 489.23 | 150.0 | 29 | 1.00 | 357.760 | 0.010 | 0.21 | 0.01 |
| CO-5613 | MH-5584 | MH-5585 | 490.38 | 489.23 | 489.13 | 150.0 | 24 | 1.00 | 256.444 | 0.010 | 0.28 | 0.02 |
| CO-5614 | MH-5585 | MH-220 | 490.28 | 489.13 | 489.03 | 150.0 | 27 | 1.00 | 256.444 | 0.010 | 0.32 | 0.03 |
| CO-46 | MH-46 | MH-47 | 486.48 | 484.82 | 484.89 | 150.0 | 26 | 1.25 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-45 | MH-45 | MH-46 | 486.87 | 484.76 | 484.82 | 150.0 | 31 | 1.73 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-44 | MH-34 | MH-45 | 487.15 | 484.69 | 484.76 | 150.0 | 29 | 2.13 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-43 | MH-41 | MH-34 | 487.35 | 484.62 | 484.69 | 150.0 | 31 | 2.44 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-39 | MH-40 | MH-41 | 487.65 | 484.56 | 484.62 | 150.0 | 29 | 2.76 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-38 | MH-39 | MH-40 | 488.22 | 484.49 | 484.56 | 150.0 | 31 | 3.26 | 450.000 | 0.010 | 0.33 | 0.07 |
| CO-37 | MH-38 | MH-39 | 488.76 | 484.42 | 484.49 | 150.0 | 30 | 3.88 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-36 | MH-37 | MH-38 | 489.32 | 484.36 | 484.42 | 150.0 | 29 | 4.50 | 450.000 | 0.010 | 0.36 | 0.10 |
| CO-35 | MH-36 | MH-37 | 489.73 | 484.29 | 484.36 | 150.0 | 30 | 5.05 | 450.000 | 0.010 | 0.37 | 0.11 |
| CO-34 | MH-35 | MH-36 | 490.11 | 484.23 | 484.29 | 150.0 | 29 | 5.51 | 450.000 | 0.010 | 0.38 | 0.12 |
| CO-5526 | MH-35 | MH-213 | 490.11 | 484.23 | 484.14 | 150.0 | 38 | 5.94 | 450.000 | 0.010 | 0.39 | 0.13 |
| CO-12 | MH-13 | MH-14 | 491.79 | 490.64 | 490.29 | 150.0 | 29 | 1.00 | 81.631 | 0.010 | 0.34 | 0.01 |
| CO-13 | MH-14 | MH-15 | 491.44 | 490.29 | 489.96 | 150.0 | 28 | 1.00 | 84.815 | 0.010 | 0.42 | 0.02 |
| CO-14 | MH-15 | MH-16 | 491.11 | 489.96 | 489.72 | 150.0 | 27 | 1.00 | 115.999 | 0.010 | 0.43 | 0.04 |
| CO-15 | MH-16 | MH-17 | 490.87 | 489.72 | 489.43 | 150.0 | 25 | 1.00 | 85.042 | 0.010 | 0.52 | 0.05 |
| CO-16 | MH-17 | MH-11 | 490.58 | 489.43 | 488.50 | 150.0 | 35 | 1.00 | 37.519 | 0.010 | 0.74 | 0.06 |
| CO-4 | MH-5 | MH-6 | 488.61 | 487.46 | 487.39 | 150.0 | 30 | 1.18 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-5 | MH-6 | MH-7 | 488.90 | 487.39 | 487.32 | 150.0 | 31 | 1.59 | 450.000 | 0.010 | 0.24 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-6 | MH-7 | MH-8 | 489.28 | 487.32 | 487.25 | 150.0 | 29 | 2.00 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-7 | MH-8 | MH-4 | 489.58 | 487.25 | 487.17 | 150.0 | 35 | 2.54 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-1 | MH-1 | MH-2 | 491.51 | 490.36 | 489.91 | 150.0 | 30 | 1.00 | 64.656 | 0.010 | 0.37 | 0.01 |
| CO-2 | MH-2 | MH-3 | 491.06 | 489.91 | 489.47 | 150.0 | 30 | 1.00 | 70.055 | 0.010 | 0.45 | 0.02 |
| CO-3 | MH-3 | MH-4 | 490.62 | 489.47 | 489.07 | 150.0 | 23 | 1.00 | 58.341 | 0.010 | 0.54 | 0.04 |
| CO-8 | MH-4 | MH-9 | 490.22 | 487.17 | 487.12 | 150.0 | 23 | 2.98 | 450.000 | 0.010 | 0.36 | 0.10 |
| CO-9 | MH-9 | MH-10 | 490.34 | 487.12 | 487.05 | 150.0 | 32 | 2.88 | 450.000 | 0.010 | 0.37 | 0.11 |
| CO-10 | MH-10 | MH-11 | 489.90 | 487.05 | 486.99 | 150.0 | 27 | 2.60 | 450.000 | 0.010 | 0.38 | 0.12 |
| CO-17 | MH-11 | MH-18 | 489.65 | 486.99 | 486.94 | 150.0 | 22 | 2.41 | 450.000 | 0.010 | 0.43 | 0.19 |
| CO-18 | MH-18 | MH-19 | 489.41 | 486.94 | 485.48 | 150.0 | 29 | 2.98 | 19.945 | 0.010 | 1.33 | 0.20 |
| CO-27 | MH-28 | MH-29 | 487.04 | 485.89 | 485.82 | 150.0 | 30 | 1.25 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-28 | MH-29 | MH-30 | 487.47 | 485.82 | 485.75 | 150.0 | 30 | 1.82 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-29 | MH-30 | MH-27 | 488.04 | 485.75 | 485.67 | 150.0 | 34 | 2.34 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-26 | MH-26 | MH-27 | 488.52 | 485.60 | 485.67 | 150.0 | 32 | 2.65 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-25 | MH-25 | MH-26 | 488.86 | 485.54 | 485.60 | 150.0 | 29 | 2.97 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-24 | MH-19 | MH-25 | 489.26 | 485.48 | 485.54 | 150.0 | 27 | 3.41 | 450.000 | 0.010 | 0.33 | 0.07 |
| CO-23 | MH-24 | MH-19 | 489.82 | 485.41 | 485.48 | 150.0 | 30 | 3.95 | 450.000 | 0.010 | 0.48 | 0.29 |
| CO-22 | MH-23 | MH-24 | 490.14 | 485.34 | 485.41 | 150.0 | 30 | 4.45 | 450.000 | 0.010 | 0.49 | 0.30 |
| CO-21 | MH-22 | MH-23 | 490.25 | 485.28 | 485.34 | 150.0 | 30 | 4.73 | 450.000 | 0.010 | 0.49 | 0.31 |
| CO-20 | MH-21 | MH-22 | 490.55 | 485.21 | 485.28 | 150.0 | 31 | 5.01 | 450.000 | 0.010 | 0.50 | 0.32 |
| CO-19 | MH-20 | MH-21 | 490.95 | 485.13 | 485.21 | 150.0 | 34 | 5.43 | 450.000 | 0.010 | 0.50 | 0.33 |
| CO-5527 | MH-20 | MH-208 | 490.95 | 485.13 | 485.10 | 150.0 | 13 | 5.80 | 450.000 | 0.010 | 0.51 | 0.35 |
| CO-200 | MH-201 | MH-202 | 491.45 | 490.30 | 490.22 | 150.0 | 31 | 1.19 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-201 | MH-202 | MH-203 | 491.75 | 490.22 | 490.16 | 150.0 | 29 | 1.57 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-202 | MH-203 | MH-204 | 492.06 | 490.16 | 490.09 | 150.0 | 29 | 1.83 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-203 | MH-204 | MH-205 | 492.15 | 490.09 | 490.02 | 150.0 | 30 | 1.79 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-204 | MH-205 | MH-206 | 491.84 | 490.02 | 489.96 | 150.0 | 31 | 1.57 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-205 | MH-206 | MH-207 | 491.57 | 489.96 | 489.89 | 150.0 | 30 | 1.38 | 450.000 | 0.010 | 0.33 | 0.07 |
| CO-206 | MH-207 | MH-208 | 491.34 | 489.89 | 489.84 | 150.0 | 23 | 1.25 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-207 | MH-208 | MH-209 | 491.20 | 485.10 | 485.06 | 150.0 | 21 | 5.85 | 450.000 | 0.010 | 0.54 | 0.44 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-208 | MH-209 | MH-210 | 490.96 | 485.06 | 484.99 | 150.0 | 28 | 5.69 | 450.000 | 0.010 | 0.54 | 0.45 |
| CO-209 | MH-210 | MH-211 | 490.76 | 484.99 | 484.93 | 150.0 | 30 | 5.56 | 450.000 | 0.010 | 0.55 | 0.46 |
| CO-210 | MH-211 | MH-212 | 490.57 | 484.93 | 484.88 | 150.0 | 22 | 5.44 | 450.000 | 0.010 | 0.55 | 0.48 |
| CO-211 | MH-212 | MH-213 | 490.41 | 484.88 | 484.14 | 150.0 | 22 | 5.77 | 30.171 | 0.010 | 1.48 | 0.49 |
| CO-212 | MH-213 | MH-214 | 490.45 | 484.14 | 484.10 | 150.0 | 19 | 6.14 | 450.000 | 0.010 | 0.58 | 0.63 |
| CO-5605 | MH-5521 | MH-5581 | 490.55 | 489.40 | 489.33 | 150.0 | 29 | 1.01 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-5607 | MH-5581 | MH-5582 | 490.50 | 489.33 | 489.26 | 150.0 | 29 | 1.04 | 450.000 | 0.010 | 0.23 | 0.02 |
| CO-5609 | MH-5582 | MH-5583 | 490.47 | 489.26 | 489.19 | 150.0 | 34 | 1.07 | 450.000 | 0.010 | 0.26 | 0.03 |
| CO-5610 | MH-5583 | MH-214 | 490.42 | 489.19 | 489.12 | 150.0 | 30 | 1.09 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-217 | MH-214 | MH-219 | 490.37 | 484.10 | 484.05 | 150.0 | 20 | 6.08 | 450.000 | 0.010 | 0.59 | 0.69 |
| CO-218 | MH-219 | MH-220 | 490.25 | 484.05 | 484.01 | 150.0 | 21 | 6.04 | 450.000 | 0.010 | 0.60 | 0.70 |
| CO-222 | MH-220 | MH-224 | 490.18 | 484.01 | 483.94 | 150.0 | 32 | 6.01 | 450.000 | 0.010 | 0.60 | 0.75 |
| CO-223 | MH-224 | MH-5530 | 490.08 | 483.92 | 483.85 | 170.0 | 29 | 5.96 | 450.000 | 0.010 | 0.63 | 0.84 |
| CO-5615 | MH-5529 | MH-5586 | 490.56 | 489.41 | 489.25 | 150.0 | 31 | 1.00 | 189.685 | 0.010 | 0.25 | 0.01 |
| CO-5617 | MH-5586 | MH-5587 | 490.40 | 489.25 | 489.09 | 150.0 | 29 | 1.00 | 185.885 | 0.010 | 0.32 | 0.02 |
| CO-5619 | MH-5587 | MH-5588 | 490.24 | 489.09 | 488.94 | 150.0 | 21 | 1.00 | 143.349 | 0.010 | 0.39 | 0.03 |
| CO-5620 | MH-5588 | MH-5530 | 490.09 | 488.94 | 488.79 | 150.0 | 22 | 1.00 | 143.349 | 0.010 | 0.43 | 0.05 |
| CO-228 | MH-5530 | MH-230 | 489.94 | 483.85 | 483.79 | 170.0 | 28 | 5.76 | 450.000 | 0.010 | 0.64 | 0.90 |
| CO-229 | MH-230 | MH-231 | 489.55 | 483.79 | 483.72 | 170.0 | 30 | 5.43 | 450.000 | 0.010 | 0.64 | 0.91 |
| CO-234 | MH-231 | MH-236 | 489.16 | 483.72 | 482.57 | 170.0 | 21 | 5.70 | 18.183 | 0.010 | 2.15 | 0.97 |
| CO-5538 | MH-236 | MH-5534 | 488.86 | 482.57 | 482.46 | 170.0 | 22 | 6.03 | 200.000 | 0.010 | 0.92 | 1.11 |
| CO-5539 | MH-5534 | MH-237 | 488.56 | 482.46 | 482.37 | 170.0 | 17 | 5.86 | 200.000 | 0.010 | 0.93 | 1.18 |
| CO-241 | MH-237 | MH-243 | 488.32 | 482.37 | 482.22 | 170.0 | 30 | 5.68 | 200.000 | 0.010 | 0.93 | 1.20 |
| CO-242 | MH-243 | MH-244 | 487.98 | 482.22 | 482.07 | 170.0 | 29 | 5.45 | 200.000 | 0.010 | 0.94 | 1.21 |
| CO-243 | MH-244 | MH-245 | 487.55 | 482.07 | 481.93 | 170.0 | 30 | 5.11 | 200.000 | 0.010 | 0.94 | 1.22 |
| CO-244 | MH-245 | MH-246 | 487.01 | 481.93 | 481.77 | 170.0 | 32 | 4.79 | 200.000 | 0.010 | 0.94 | 1.23 |
| CO-245 | MH-246 | MH-247 | 486.60 | 481.77 | 481.66 | 170.0 | 21 | 4.51 | 200.000 | 0.010 | 0.95 | 1.28 |
| CO-5545 | MH-247 | MH-5542 | 486.19 | 481.66 | 481.63 | 170.0 | 6 | 4.32 | 200.000 | 0.010 | 0.95 | 1.29 |
| CO-5546 | MH-5542 | MH-251 | 486.10 | 481.63 | 481.50 | 170.0 | 26 | 4.18 | 200.000 | 0.010 | 0.95 | 1.34 |
| CO-253 | MH-251 | MH-255 | 485.73 | 481.50 | 481.35 | 170.0 | 31 | 3.93 | 200.000 | 0.010 | 0.96 | 1.35 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-254 | MH-255 | MH-256 | 485.32 | 481.35 | 481.25 | 170.0 | 20 | 3.67 | 200.000 | 0.010 | 0.96 | 1.36 |
| CO-255 | MH-256 | MH-257 | 484.96 | 481.25 | 481.16 | 170.0 | 17 | 3.43 | 200.000 | 0.010 | 0.96 | 1.40 |
| CO-258 | MH-257 | MH-260 | 484.65 | 481.16 | 481.02 | 170.0 | 29 | 3.25 | 200.000 | 0.010 | 0.96 | 1.41 |
| CO-259 | MH-260 | MH-261 | 484.36 | 481.02 | 480.87 | 170.0 | 30 | 3.05 | 200.000 | 0.010 | 0.96 | 1.42 |
| CO-260 | MH-261 | MH-262 | 483.96 | 480.87 | 480.72 | 170.0 | 30 | 2.82 | 200.000 | 0.010 | 0.97 | 1.48 |
| CO-265 | MH-262 | MH-267 | 483.60 | 480.72 | 480.57 | 170.0 | 30 | 2.65 | 200.000 | 0.010 | 0.97 | 1.49 |
| CO-266 | MH-267 | MH-268 | 483.33 | 480.57 | 480.42 | 170.0 | 30 | 2.50 | 200.000 | 0.010 | 0.97 | 1.50 |
| CO-267 | MH-268 | MH-269 | 482.99 | 480.42 | 480.27 | 170.0 | 30 | 2.31 | 200.000 | 0.010 | 0.97 | 1.51 |
| CO-268 | MH-269 | MH-270 | 482.65 | 480.24 | 480.17 | 200.0 | 30 | 2.09 | 450.000 | 0.010 | 0.72 | 1.53 |
| CO-283 | MH-270 | MH-285 | 482.34 | 480.17 | 480.13 | 200.0 | 20 | 1.89 | 450.000 | 0.010 | 0.72 | 1.54 |
| CO-284 | MH-285 | MH-286 | 482.15 | 480.13 | 480.06 | 200.0 | 31 | 1.65 | 450.000 | 0.010 | 0.72 | 1.55 |
| CO-285 | MH-286 | MH-287 | 481.74 | 480.06 | 479.98 | 200.0 | 30 | 1.24 | 363.296 | 0.010 | 0.79 | 1.56 |
| CO-286 | MH-287 | MH-288 | 481.18 | 479.98 | 479.50 | 200.0 | 31 | 1.00 | 65.000 | 0.010 | 1.53 | 1.57 |
| CO-287 | MH-288 | MH-289 | 480.70 | 479.50 | 479.12 | 200.0 | 30 | 1.00 | 79.067 | 0.010 | 1.43 | 1.59 |
| CO-288 | MH-289 | MH-290 | 480.32 | 479.12 | 478.83 | 200.0 | 29 | 1.00 | 98.355 | 0.010 | 1.32 | 1.60 |
| CO-289 | MH-290 | MH-291 | 480.03 | 478.83 | 478.54 | 200.0 | 30 | 1.00 | 105.639 | 0.010 | 1.29 | 1.61 |
| CO-290 | MH-291 | MH-292 | 479.74 | 478.54 | 478.33 | 200.0 | 30 | 1.00 | 140.834 | 0.010 | 1.16 | 1.62 |
| CO-291 | MH-292 | MH-293 | 479.53 | 478.33 | 478.18 | 200.0 | 30 | 1.04 | 200.000 | 0.010 | 1.01 | 1.63 |
| CO-292 | MH-293 | MH-294 | 479.46 | 478.18 | 478.05 | 200.0 | 30 | 1.04 | 240.948 | 0.010 | 0.94 | 1.65 |
| CO-293 | MH-294 | MH-295 | 479.25 | 478.05 | 477.90 | 200.0 | 30 | 1.01 | 200.000 | 0.010 | 1.02 | 1.66 |
| CO-294 | MH-295 | MH-296 | 479.11 | 477.90 | 477.69 | 200.0 | 30 | 1.01 | 142.390 | 0.010 | 1.16 | 1.67 |
| CO-295 | MH-296 | MH-297 | 478.89 | 477.69 | 477.38 | 200.0 | 30 | 1.00 | 95.390 | 0.010 | 1.35 | 1.68 |
| CO-296 | MH-297 | MH-298 | 478.58 | 477.38 | 477.02 | 200.0 | 30 | 1.00 | 85.817 | 0.010 | 1.41 | 1.69 |
| CO-297 | MH-298 | MH-299 | 478.22 | 477.02 | 476.77 | 200.0 | 23 | 1.00 | 87.601 | 0.010 | 1.40 | 1.71 |
| CO-298 | MH-299 | MH-300 | 477.97 | 476.77 | 476.57 | 200.0 | 16 | 1.00 | 81.532 | 0.010 | 1.44 | 1.72 |
| CO-299 | MH-300 | MH-301 | 477.77 | 476.52 | 476.45 | 250.0 | 31 | 1.01 | 450.000 | 0.010 | 0.76 | 1.73 |
| CO-300 | MH-301 | MH-302 | 477.72 | 476.45 | 476.11 | 250.0 | 29 | 1.01 | 85.939 | 0.010 | 1.40 | 1.74 |
| CO-301 | MH-302 | MH-303 | 477.36 | 476.11 | 475.77 | 250.0 | 30 | 1.00 | 87.950 | 0.010 | 1.39 | 1.75 |
| CO-302 | MH-303 | MH-304 | 477.02 | 475.77 | 475.39 | 250.0 | 30 | 1.00 | 78.237 | 0.010 | 1.45 | 1.76 |
| CO-303 | MH-304 | MH-305 | 476.64 | 475.39 | 475.08 | 250.0 | 30 | 1.00 | 92.709 | 0.010 | 1.37 | 1.78 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-304 | MH-305 | MH-306 | 476.33 | 475.08 | 474.82 | 250.0 | 30 | 1.00 | 119.284 | 0.010 | 1.25 | 1.79 |
| CO-305 | MH-306 | MH-307 | 476.07 | 474.82 | 474.65 | 250.0 | 30 | 1.00 | 178.062 | 0.010 | 1.08 | 1.80 |
| CO-306 | MH-307 | MH-308 | 475.90 | 474.65 | 474.59 | 250.0 | 27 | 1.03 | 450.000 | 0.010 | 0.77 | 1.81 |
| CO-307 | MH-308 | MH-200 | 475.90 | 474.59 | 474.54 | 250.0 | 25 | 1.12 | 450.000 | 0.010 | 0.77 | 1.82 |
| CO-199 | MH-200 | MH-185 | 475.97 | 474.48 | 474.54 | 250.0 | 26 | 1.31 | 450.000 | 0.010 | 0.77 | 1.84 |
| CO-5599 | MH-5564 | MH-5578 | 476.85 | 475.70 | 475.54 | 150.0 | 33 | 1.00 | 205.190 | 0.010 | 0.25 | 0.01 |
| CO-5601 | MH-5578 | MH-5579 | 476.69 | 475.54 | 475.40 | 150.0 | 30 | 1.00 | 209.678 | 0.010 | 0.30 | 0.02 |
| CO-5603 | MH-5579 | MH-5580 | 476.55 | 475.40 | 475.20 | 150.0 | 25 | 1.00 | 127.543 | 0.010 | 0.41 | 0.03 |
| CO-5604 | MH-5580 | MH-5565 | 476.35 | 475.20 | 475.01 | 150.0 | 24 | 1.00 | 127.543 | 0.010 | 0.45 | 0.05 |
| CO-5577 | MH-5565 | MH-194 | 476.16 | 475.01 | 474.96 | 150.0 | 21 | 1.00 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-186 | MH-187 | MH-188 | 476.77 | 475.62 | 475.34 | 150.0 | 29 | 1.00 | 103.471 | 0.010 | 0.32 | 0.01 |
| CO-187 | MH-188 | MH-189 | 476.49 | 475.34 | 475.27 | 150.0 | 28 | 1.07 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-190 | MH-189 | MH-192 | 476.56 | 475.27 | 475.20 | 150.0 | 34 | 1.14 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-191 | MH-192 | MH-193 | 476.49 | 475.20 | 475.13 | 150.0 | 30 | 1.09 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-192 | MH-193 | MH-194 | 476.32 | 475.13 | 474.96 | 150.0 | 30 | 1.02 | 177.675 | 0.010 | 0.43 | 0.06 |
| CO-196 | MH-194 | MH-198 | 476.12 | 474.96 | 474.86 | 150.0 | 30 | 1.00 | 306.536 | 0.010 | 0.44 | 0.13 |
| CO-197 | MH-198 | MH-199 | 476.01 | 474.86 | 474.78 | 150.0 | 31 | 1.00 | 360.453 | 0.010 | 0.43 | 0.14 |
| CO-198 | MH-199 | MH-185 | 475.93 | 474.78 | 474.58 | 150.0 | 27 | 1.22 | 138.682 | 0.010 | 0.62 | 0.15 |
| CO-5520 | MH-185 | MH-5519 | 476.17 | 474.28 | 474.48 | 250.0 | 19 | 1.53 | 95.809 | 0.010 | 1.40 | 2.00 |
| CO-5512 | MH-177 | MH-5512 | 476.76 | 475.61 | 475.73 | 150.0 | 20 | 1.00 | 165.875 | 0.010 | 0.27 | 0.01 |
| CO-176 | MH-177 | MH-178 | 476.76 | 475.61 | 475.29 | 150.0 | 30 | 1.00 | 94.033 | 0.010 | 0.41 | 0.02 |
| CO-177 | MH-178 | MH-179 | 476.44 | 475.29 | 475.11 | 150.0 | 29 | 1.00 | 161.230 | 0.010 | 0.38 | 0.04 |
| CO-178 | MH-179 | MH-180 | 476.26 | 475.11 | 475.04 | 150.0 | 31 | 1.00 | 398.876 | 0.010 | 0.30 | 0.05 |
| CO-179 | MH-180 | MH-181 | 476.19 | 475.04 | 474.97 | 150.0 | 30 | 1.00 | 428.296 | 0.010 | 0.31 | 0.06 |
| CO-180 | MH-181 | MH-182 | 476.12 | 474.97 | 474.88 | 150.0 | 28 | 1.00 | 321.845 | 0.010 | 0.37 | 0.07 |
| CO-181 | MH-182 | MH-176 | 476.03 | 474.88 | 474.54 | 150.0 | 31 | 1.25 | 89.657 | 0.010 | 0.60 | 0.08 |
| CO-171 | MH-172 | MH-173 | 476.93 | 475.78 | 475.36 | 150.0 | 30 | 1.00 | 70.124 | 0.010 | 0.36 | 0.01 |
| CO-172 | MH-173 | MH-174 | 476.51 | 475.36 | 475.08 | 150.0 | 30 | 1.00 | 109.524 | 0.010 | 0.39 | 0.02 |
| CO-173 | MH-174 | MH-175 | 476.23 | 475.08 | 474.95 | 150.0 | 32 | 1.00 | 245.560 | 0.010 | 0.33 | 0.04 |
| CO-174 | MH-175 | MH-171 | 476.10 | 474.95 | 474.63 | 150.0 | 30 | 1.14 | 92.032 | 0.010 | 0.50 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5591 | MH-5556 | MH-5574 | 476.92 | 475.77 | 475.50 | 150.0 | 31 | 1.00 | 117.186 | 0.010 | 0.30 | 0.01 |
| CO-5592 | MH-5574 | MH-5557 | 476.65 | 475.50 | 475.09 | 150.0 | 37 | 1.05 | 89.785 | 0.010 | 0.41 | 0.02 |
| CO-5595 | MH-5560 | MH-5576 | 477.39 | 476.24 | 476.07 | 150.0 | 29 | 1.00 | 164.116 | 0.010 | 0.27 | 0.01 |
| CO-5596 | MH-5576 | MH-5561 | 477.22 | 476.07 | 475.33 | 150.0 | 29 | 1.28 | 38.707 | 0.010 | 0.55 | 0.02 |
| CO-5597 | MH-5562 | MH-5577 | 477.67 | 476.52 | 476.32 | 150.0 | 27 | 1.00 | 136.542 | 0.010 | 0.29 | 0.01 |
| CO-5598 | MH-5577 | MH-5563 | 477.47 | 476.32 | 475.45 | 150.0 | 27 | 1.33 | 31.721 | 0.010 | 0.59 | 0.02 |
| CO-141 | MH-142 | MH-138 | 478.91 | 477.76 | 476.91 | 150.0 | 21 | 1.24 | 24.519 | 0.010 | 0.53 | 0.01 |
| CO-131 | MH-132 | MH-133 | 478.61 | 477.46 | 477.26 | 150.0 | 28 | 1.00 | 138.909 | 0.010 | 0.29 | 0.01 |
| CO-132 | MH-133 | MH-131 | 478.41 | 477.26 | 477.20 | 150.0 | 24 | 1.04 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-128 | MH-129 | MH-130 | 479.07 | 477.92 | 477.70 | 150.0 | 29 | 1.00 | 127.612 | 0.010 | 0.29 | 0.01 |
| CO-129 | MH-130 | MH-127 | 478.85 | 477.70 | 477.58 | 150.0 | 26 | 1.08 | 228.606 | 0.010 | 0.30 | 0.02 |
| CO-127 | MH-128 | MH-127 | 479.32 | 478.17 | 477.58 | 150.0 | 30 | 1.08 | 51.500 | 0.010 | 0.41 | 0.01 |
| CO-96 | MH-97 | MH-98 | 482.39 | 481.24 | 480.75 | 150.0 | 30 | 1.00 | 61.404 | 0.010 | 0.38 | 0.01 |
| CO-97 | MH-98 | MH-99 | 481.90 | 480.75 | 480.25 | 150.0 | 30 | 1.00 | 61.055 | 0.010 | 0.47 | 0.02 |
| CO-98 | MH-99 | MH-100 | 481.40 | 480.25 | 479.78 | 150.0 | 31 | 1.00 | 65.555 | 0.010 | 0.52 | 0.04 |
| CO-99 | MH-100 | MH-101 | 480.93 | 479.78 | 479.33 | 150.0 | 30 | 1.00 | 65.055 | 0.010 | 0.57 | 0.05 |
| CO-100 | MH-101 | MH-102 | 480.48 | 479.33 | 478.94 | 150.0 | 30 | 1.00 | 76.731 | 0.010 | 0.58 | 0.06 |
| CO-101 | MH-102 | MH-103 | 480.09 | 478.94 | 478.63 | 150.0 | 28 | 1.00 | 89.038 | 0.010 | 0.58 | 0.07 |
| CO-102 | MH-103 | MH-96 | 479.78 | 478.63 | 478.47 | 150.0 | 29 | 1.00 | 177.021 | 0.010 | 0.47 | 0.08 |
| CO-5556 | MH-5550 | MH-5551 | 481.77 | 480.62 | 480.42 | 150.0 | 22 | 1.00 | 111.252 | 0.010 | 0.31 | 0.01 |
| CO-5557 | MH-5551 | MH-5552 | 481.57 | 480.42 | 480.22 | 150.0 | 27 | 1.00 | 137.160 | 0.010 | 0.35 | 0.02 |
| CO-5625 | MH-5552 | MH-5591 | 481.37 | 480.22 | 479.98 | 150.0 | 31 | 1.00 | 131.675 | 0.010 | 0.41 | 0.03 |
| CO-5626 | MH-5591 | MH-5553 | 481.13 | 479.98 | 479.75 | 150.0 | 30 | 1.00 | 131.675 | 0.010 | 0.44 | 0.05 |
| CO-5621 | MH-5548 | MH-5589 | 481.51 | 480.36 | 480.22 | 150.0 | 28 | 1.00 | 192.597 | 0.010 | 0.25 | 0.01 |
| CO-5623 | MH-5589 | MH-5590 | 481.37 | 480.22 | 480.06 | 150.0 | 23 | 1.00 | 152.309 | 0.010 | 0.34 | 0.02 |
| CO-5624 | MH-5590 | MH-5549 | 481.21 | 480.06 | 479.91 | 150.0 | 24 | 1.00 | 152.309 | 0.010 | 0.39 | 0.03 |
| CO-5511 | MH-5510 | MH-5511 | 481.85 | 480.70 | 480.91 | 150.0 | 21 | 1.00 | 98.172 | 0.010 | 0.32 | 0.01 |
| CO-5510 | MH-5509 | MH-5510 | 481.82 | 480.64 | 480.70 | 150.0 | 26 | 1.02 | 450.000 | 0.010 | 0.23 | 0.02 |
| CO-5509 | MH-80 | MH-5509 | 481.86 | 480.57 | 480.64 | 150.0 | 33 | 1.09 | 450.000 | 0.010 | 0.26 | 0.03 |
| CO-80 | MH-80 | MH-81 | 481.86 | 480.57 | 480.50 | 150.0 | 30 | 1.38 | 450.000 | 0.010 | 0.29 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-81 | MH-81 | MH-82 | 482.26 | 480.50 | 480.43 | 150.0 | 30 | 1.85 | 450.000 | 0.010 | 0.31 | 0.06 |
| CO-82 | MH-82 | MH-83 | 482.66 | 480.43 | 480.38 | 150.0 | 24 | 1.86 | 450.000 | 0.010 | 0.32 | 0.07 |
| CO-83 | MH-83 | MH-84 | 482.17 | 480.38 | 480.32 | 150.0 | 26 | 1.58 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-84 | MH-84 | MH-85 | 481.98 | 480.32 | 480.26 | 150.0 | 28 | 1.36 | 450.000 | 0.010 | 0.35 | 0.09 |
| CO-85 | MH-85 | MH-86 | 481.61 | 480.26 | 480.09 | 150.0 | 31 | 1.10 | 190.918 | 0.010 | 0.50 | 0.11 |
| CO-5553 | MH-86 | MH-5549 | 481.24 | 480.09 | 479.91 | 150.0 | 11 | 1.00 | 56.633 | 0.010 | 0.79 | 0.12 |
| CO-5559 | MH-5549 | MH-5553 | 481.06 | 479.91 | 479.75 | 150.0 | 9 | 1.00 | 55.639 | 0.010 | 0.87 | 0.17 |
| CO-5560 | MH-5553 | MH-87 | 480.90 | 479.75 | 479.60 | 150.0 | 9 | 1.00 | 55.639 | 0.010 | 0.95 | 0.22 |
| CO-90 | MH-87 | MH-91 | 480.75 | 479.60 | 479.22 | 150.0 | 31 | 1.00 | 81.853 | 0.010 | 0.85 | 0.24 |
| CO-91 | MH-91 | MH-92 | 480.37 | 479.22 | 478.96 | 150.0 | 29 | 1.00 | 109.036 | 0.010 | 0.77 | 0.25 |
| CO-92 | MH-92 | MH-93 | 480.11 | 478.96 | 478.75 | 150.0 | 29 | 1.00 | 141.807 | 0.010 | 0.71 | 0.26 |
| CO-93 | MH-93 | MH-94 | 479.90 | 478.75 | 478.70 | 150.0 | 23 | 1.00 | 450.000 | 0.010 | 0.48 | 0.27 |
| CO-5629 | MH-5554 | MH-5593 | 480.61 | 479.46 | 479.27 | 150.0 | 27 | 1.00 | 136.398 | 0.010 | 0.29 | 0.01 |
| CO-5630 | MH-5593 | MH-5555 | 480.42 | 479.27 | 479.06 | 150.0 | 28 | 1.00 | 136.398 | 0.010 | 0.36 | 0.02 |
| CO-5627 | MH-5555 | MH-5592 | 480.21 | 479.06 | 478.88 | 150.0 | 30 | 1.00 | 163.448 | 0.010 | 0.38 | 0.03 |
| CO-5628 | MH-5592 | MH-94 | 480.03 | 478.88 | 478.70 | 150.0 | 28 | 1.00 | 160.844 | 0.010 | 0.41 | 0.05 |
| CO-94 | MH-94 | MH-95 | 479.85 | 478.70 | 478.57 | 150.0 | 19 | 1.00 | 151.950 | 0.010 | 0.75 | 0.33 |
| CO-95 | MH-95 | MH-96 | 479.72 | 478.57 | 478.47 | 150.0 | 17 | 1.00 | 160.366 | 0.010 | 0.74 | 0.34 |
| CO-103 | MH-96 | MH-104 | 479.62 | 478.47 | 478.36 | 150.0 | 40 | 1.00 | 374.751 | 0.010 | 0.58 | 0.44 |
| CO-104 | MH-104 | MH-105 | 479.51 | 478.36 | 478.29 | 150.0 | 30 | 1.02 | 450.000 | 0.010 | 0.54 | 0.45 |
| CO-105 | MH-105 | MH-106 | 479.49 | 478.29 | 478.23 | 150.0 | 29 | 1.07 | 450.000 | 0.010 | 0.55 | 0.46 |
| CO-115 | MH-106 | MH-116 | 479.47 | 478.23 | 478.16 | 150.0 | 31 | 1.14 | 450.000 | 0.010 | 0.55 | 0.47 |
| CO-116 | MH-116 | MH-117 | 479.51 | 478.16 | 478.09 | 150.0 | 34 | 1.29 | 450.000 | 0.010 | 0.55 | 0.48 |
| CO-119 | MH-117 | MH-120 | 479.61 | 478.09 | 478.04 | 150.0 | 19 | 1.46 | 450.000 | 0.010 | 0.56 | 0.50 |
| CO-120 | MH-120 | MH-121 | 479.74 | 478.04 | 477.98 | 150.0 | 30 | 1.43 | 450.000 | 0.010 | 0.56 | 0.51 |
| CO-121 | MH-121 | MH-122 | 479.45 | 477.98 | 477.91 | 150.0 | 30 | 1.39 | 450.000 | 0.010 | 0.56 | 0.52 |
| CO-122 | MH-122 | MH-123 | 479.52 | 477.91 | 477.84 | 150.0 | 32 | 1.41 | 450.000 | 0.010 | 0.56 | 0.53 |
| CO-123 | MH-123 | MH-124 | 479.35 | 477.84 | 477.77 | 150.0 | 30 | 1.34 | 450.000 | 0.010 | 0.57 | 0.54 |
| CO-124 | MH-124 | MH-125 | 479.24 | 477.77 | 477.71 | 150.0 | 29 | 1.55 | 450.000 | 0.010 | 0.57 | 0.56 |
| CO-125 | MH-125 | MH-126 | 479.65 | 477.71 | 477.64 | 150.0 | 30 | 1.53 | 450.000 | 0.010 | 0.57 | 0.57 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-126 | MH-126 | MH-127 | 479.06 | 477.64 | 477.58 | 150.0 | 27 | 1.22 | 450.000 | 0.010 | 0.57 | 0.58 |
| CO-130 | MH-127 | MH-131 | 478.90 | 477.58 | 477.20 | 150.0 | 39 | 1.13 | 103.160 | 0.010 | 1.02 | 0.63 |
| CO-133 | MH-131 | MH-134 | 478.44 | 477.20 | 477.14 | 150.0 | 28 | 1.13 | 450.000 | 0.010 | 0.59 | 0.66 |
| CO-134 | MH-134 | MH-135 | 478.47 | 477.14 | 477.08 | 150.0 | 27 | 1.26 | 450.000 | 0.010 | 0.59 | 0.68 |
| CO-135 | MH-135 | MH-136 | 478.57 | 477.08 | 477.02 | 150.0 | 30 | 1.53 | 450.000 | 0.010 | 0.59 | 0.69 |
| CO-136 | MH-136 | MH-137 | 478.89 | 477.02 | 476.96 | 150.0 | 27 | 1.57 | 450.000 | 0.010 | 0.59 | 0.70 |
| CO-137 | MH-137 | MH-138 | 478.52 | 476.96 | 476.91 | 150.0 | 21 | 1.45 | 450.000 | 0.010 | 0.60 | 0.71 |
| CO-142 | MH-138 | MH-143 | 478.54 | 476.91 | 476.81 | 150.0 | 21 | 1.24 | 214.497 | 0.010 | 0.81 | 0.73 |
| CO-147 | MH-143 | MH-148 | 477.96 | 476.81 | 476.72 | 150.0 | 19 | 1.00 | 194.897 | 0.010 | 0.84 | 0.75 |
| CO-148 | MH-148 | MH-149 | 477.87 | 476.72 | 476.48 | 150.0 | 30 | 1.00 | 124.653 | 0.010 | 1.00 | 0.76 |
| CO-149 | MH-149 | MH-150 | 477.63 | 476.48 | 476.19 | 150.0 | 27 | 1.00 | 92.797 | 0.010 | 1.12 | 0.77 |
| CO-150 | MH-150 | MH-151 | 477.34 | 476.19 | 476.08 | 150.0 | 26 | 1.00 | 252.966 | 0.010 | 0.77 | 0.78 |
| CO-153 | MH-151 | MH-154 | 477.23 | 476.08 | 475.96 | 150.0 | 25 | 1.00 | 196.495 | 0.010 | 0.85 | 0.79 |
| CO-154 | MH-154 | MH-155 | 477.11 | 475.96 | 475.71 | 150.0 | 42 | 1.46 | 170.000 | 0.010 | 0.90 | 0.81 |
| CO-155 | MH-155 | MH-156 | 477.77 | 475.71 | 475.53 | 150.0 | 30 | 1.82 | 170.000 | 0.010 | 0.91 | 0.82 |
| CO-5573 | MH-156 | MH-5563 | 477.41 | 475.53 | 475.45 | 150.0 | 13 | 1.70 | 170.000 | 0.010 | 0.91 | 0.83 |
| CO-5574 | MH-5563 | MH-159 | 477.27 | 475.45 | 475.39 | 150.0 | 11 | 1.64 | 170.000 | 0.010 | 0.92 | 0.86 |
| CO-5570 | MH-159 | MH-5561 | 477.15 | 475.39 | 475.33 | 150.0 | 11 | 1.59 | 170.000 | 0.010 | 0.92 | 0.88 |
| CO-5571 | MH-5561 | MH-162 | 477.04 | 475.33 | 475.20 | 150.0 | 21 | 1.52 | 170.000 | 0.010 | 0.93 | 0.91 |
| CO-5567 | MH-162 | MH-5559 | 476.82 | 475.18 | 475.15 | 170.0 | 14 | 1.41 | 450.000 | 0.010 | 0.64 | 0.92 |
| CO-5593 | MH-5558 | MH-5575 | 477.06 | 475.91 | 475.71 | 150.0 | 31 | 1.00 | 157.181 | 0.010 | 0.27 | 0.01 |
| CO-5594 | MH-5575 | MH-5559 | 476.86 | 475.71 | 475.17 | 150.0 | 31 | 1.17 | 57.114 | 0.010 | 0.48 | 0.02 |
| CO-5568 | MH-5559 | MH-165 | 476.66 | 475.15 | 475.10 | 170.0 | 21 | 1.25 | 450.000 | 0.010 | 0.64 | 0.96 |
| CO-5564 | MH-165 | MH-5557 | 476.43 | 475.10 | 475.07 | 170.0 | 13 | 1.13 | 450.000 | 0.010 | 0.65 | 0.97 |
| CO-5565 | MH-5557 | MH-166 | 476.34 | 475.07 | 475.03 | 170.0 | 17 | 1.06 | 450.000 | 0.010 | 0.65 | 1.01 |
| CO-168 | MH-166 | MH-169 | 476.22 | 475.03 | 474.88 | 170.0 | 30 | 1.01 | 188.963 | 0.010 | 0.92 | 1.02 |
| CO-169 | MH-169 | MH-170 | 476.05 | 474.88 | 474.72 | 170.0 | 26 | 1.07 | 170.000 | 0.010 | 0.96 | 1.03 |
| CO-170 | MH-170 | MH-171 | 476.03 | 474.72 | 474.61 | 170.0 | 20 | 1.21 | 170.000 | 0.010 | 0.96 | 1.04 |
| CO-175 | MH-171 | MH-176 | 476.06 | 474.58 | 474.49 | 200.0 | 41 | 1.40 | 450.000 | 0.010 | 0.68 | 1.10 |
| CO-182 | MH-176 | MH-183 | 476.20 | 474.49 | 474.42 | 200.0 | 28 | 1.51 | 450.000 | 0.010 | 0.69 | 1.20 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-183 | MH-183 | MH-184 | 476.13 | 474.42 | 474.35 | 200.0 | 32 | 1.52 | 450.000 | 0.010 | 0.69 | 1.21 |
| CO-5519 | MH-184 | MH-5519 | 476.09 | 474.35 | 474.33 | 200.0 | 9 | 1.58 | 450.000 | 0.010 | 0.69 | 1.22 |
| CO-5521 | MH-5519 | MH-5518 | 476.16 | 473.31 | 474.28 | 250.0 | 23 | 1.31 | 23.844 | 0.010 | 2.64 | 3.23 |
| CO-5518 | MH-5518 | MH-5517 | 474.56 | 472.79 | 473.31 | 250.0 | 25 | 1.00 | 47.732 | 0.010 | 2.05 | 3.24 |
| CO-5517 | MH-5517 | MH-5516 | 474.04 | 472.51 | 472.79 | 250.0 | 33 | 1.00 | 118.745 | 0.010 | 1.47 | 3.26 |
| CO-5516 | MH-5516 | MH-5515 | 473.76 | 472.37 | 472.51 | 250.0 | 25 | 1.00 | 173.160 | 0.010 | 1.27 | 3.27 |
| CO-5515 | MH-5515 | MH-5514 | 473.62 | 472.23 | 472.37 | 250.0 | 26 | 1.00 | 185.556 | 0.010 | 1.24 | 3.28 |
| CO-5514 | MH-5514 | MH-5513 | 473.48 | 472.14 | 472.18 | 300.0 | 18 | 1.07 | 450.000 | 0.011 | 0.83 | 3.29 |
| CO-5513 | MH-5513 | MH-336 | 473.58 | 472.10 | 472.14 | 300.0 | 16 | 1.30 | 450.000 | 0.011 | 0.83 | 3.30 |
| CO-335 | MH-336 | MH-337 | 473.87 | 472.10 | 472.06 | 300.0 | 19 | 1.39 | 450.000 | 0.011 | 0.83 | 3.32 |
| CO-336 | MH-337 | MH-338 | 473.67 | 472.06 | 472.01 | 300.0 | 25 | 1.20 | 450.000 | 0.011 | 0.83 | 3.33 |
| CO-338 | MH-338 | MH-340 | 473.40 | 472.01 | 471.77 | 300.0 | 29 | 1.05 | 122.340 | 0.011 | 1.36 | 3.34 |
| CO-339 | MH-340 | MH-341 | 473.07 | 471.77 | 471.47 | 300.0 | 20 | 1.00 | 66.501 | 0.011 | 1.69 | 3.35 |
| CO-340 | MH-341 | MH-342 | 472.77 | 471.47 | 471.01 | 300.0 | 29 | 1.00 | 63.789 | 0.011 | 1.72 | 3.36 |
| CO-341 | MH-342 | MH-335 | 472.31 | 471.01 | 470.55 | 300.0 | 28 | 1.00 | 60.468 | 0.011 | 1.76 | 3.37 |
| CO-343 | MH-335 | MH-344 | 471.85 | 470.55 | 470.19 | 300.0 | 27 | 1.00 | 74.776 | 0.011 | 1.63 | 3.39 |
| CO-344 | MH-344 | MH-345 | 471.49 | 470.19 | 470.05 | 300.0 | 27 | 1.00 | 195.708 | 0.011 | 1.15 | 3.40 |
| CO-345 | MH-345 | MH-346 | 471.35 | 470.05 | 469.62 | 300.0 | 22 | 1.00 | 51.450 | 0.011 | 1.87 | 3.41 |
| CO-346 | MH-346 | MH-347 | 470.92 | 469.62 | 469.06 | 300.0 | 26 | 1.00 | 45.183 | 0.011 | 1.96 | 3.42 |
| CO-347 | MH-347 | MH-348 | 470.36 | 469.06 | 469.00 | 300.0 | 26 | 1.10 | 450.000 | 0.011 | 0.83 | 3.43 |
| CO-348 | MH-348 | MH-349 | 470.51 | 469.00 | 468.89 | 300.0 | 18 | 1.10 | 170.016 | 0.011 | 1.21 | 3.45 |
| CO-349 | MH-349 | MH-350 | 470.19 | 468.89 | 468.75 | 300.0 | 17 | 1.00 | 121.153 | 0.011 | 1.37 | 3.46 |
| CO-350 | MH-350 | MH-351 | 470.05 | 468.75 | 468.53 | 300.0 | 25 | 1.00 | 112.679 | 0.011 | 1.41 | 3.47 |
| CO-351 | MH-351 | MH-352 | 469.83 | 468.53 | 468.47 | 300.0 | 26 | 1.02 | 450.000 | 0.011 | 0.84 | 3.48 |
| CO-352 | MH-352 | MH-353 | 469.81 | 468.47 | 468.42 | 300.0 | 23 | 1.12 | 450.000 | 0.011 | 0.84 | 3.49 |
| CO-353 | MH-353 | MH-354 | 469.90 | 468.42 | 467.98 | 300.0 | 31 | 1.09 | 70.510 | 0.011 | 1.68 | 3.51 |
| CO-354 | MH-354 | MH-355 | 469.28 | 467.98 | 467.73 | 300.0 | 42 | 1.00 | 167.419 | 0.011 | 1.22 | 3.52 |
| CO-355 | MH-355 | MH-356 | 469.03 | 467.73 | 467.65 | 300.0 | 34 | 1.00 | 450.000 | 0.011 | 0.84 | 3.53 |
| CO-356 | MH-356 | MH-357 | 468.96 | 467.65 | 467.36 | 300.0 | 30 | 1.00 | 103.009 | 0.011 | 1.47 | 3.54 |
| CO-357 | MH-357 | MH-358 | 468.66 | 467.36 | 467.28 | 300.0 | 36 | 1.10 | 450.000 | 0.011 | 0.84 | 3.55 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-358 | MH-358 | MH-359 | 468.79 | 467.28 | 466.63 | 300.0 | 29 | 1.10 | 44.852 | 0.011 | 1.99 | 3.57 |
| CO-359 | MH-359 | MH-360 | 467.93 | 466.63 | 466.59 | 300.0 | 17 | 1.04 | 450.000 | 0.011 | 0.84 | 3.58 |
| CO-360 | MH-360 | MH-361 | 467.98 | 466.59 | 465.92 | 300.0 | 28 | 1.04 | 41.860 | 0.011 | 2.04 | 3.59 |
| CO-361 | MH-361 | MH-362 | 467.22 | 465.92 | 465.87 | 300.0 | 22 | 1.05 | 450.000 | 0.011 | 0.84 | 3.60 |
| CO-362 | MH-362 | MH-363 | 467.27 | 465.87 | 465.82 | 300.0 | 21 | 1.08 | 450.000 | 0.011 | 0.84 | 3.61 |
| CO-363 | MH-363 | MH-364 | 467.19 | 465.82 | 465.79 | 300.0 | 15 | 1.11 | 450.000 | 0.011 | 0.84 | 3.62 |
| CO-364 | MH-364 | MH-365 | 467.25 | 465.79 | 465.75 | 300.0 | 19 | 1.37 | 450.000 | 0.011 | 0.84 | 3.64 |
| CO-423 | MH-426 | MH-425 | 474.23 | 473.08 | 472.99 | 150.0 | 35 | 1.00 | 358.247 | 0.010 | 0.21 | 0.01 |
| CO-406 | MH-408 | MH-409 | 477.38 | 476.23 | 476.16 | 150.0 | 29 | 1.04 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-407 | MH-409 | MH-410 | 477.39 | 476.16 | 476.10 | 150.0 | 27 | 1.14 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-408 | MH-410 | MH-411 | 477.45 | 476.10 | 476.03 | 150.0 | 30 | 1.19 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-409 | MH-411 | MH-412 | 477.36 | 476.03 | 475.96 | 150.0 | 30 | 1.12 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-410 | MH-412 | MH-413 | 477.17 | 475.96 | 475.87 | 150.0 | 30 | 1.03 | 327.008 | 0.010 | 0.35 | 0.06 |
| CO-411 | MH-413 | MH-414 | 477.02 | 475.87 | 475.64 | 150.0 | 30 | 1.00 | 132.522 | 0.010 | 0.50 | 0.07 |
| CO-412 | MH-414 | MH-415 | 476.79 | 475.64 | 475.59 | 150.0 | 21 | 1.04 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-413 | MH-415 | MH-416 | 476.83 | 475.59 | 475.55 | 150.0 | 20 | 1.06 | 450.000 | 0.010 | 0.36 | 0.10 |
| CO-414 | MH-416 | MH-417 | 476.73 | 475.55 | 475.32 | 150.0 | 30 | 1.02 | 133.141 | 0.010 | 0.56 | 0.11 |
| CO-415 | MH-417 | MH-418 | 476.47 | 475.32 | 475.14 | 150.0 | 30 | 1.00 | 170.040 | 0.010 | 0.53 | 0.12 |
| CO-416 | MH-418 | MH-419 | 476.29 | 475.14 | 474.98 | 150.0 | 30 | 1.00 | 187.170 | 0.010 | 0.53 | 0.13 |
| CO-417 | MH-419 | MH-420 | 476.13 | 474.98 | 474.59 | 150.0 | 30 | 1.00 | 78.154 | 0.010 | 0.74 | 0.14 |
| CO-418 | MH-420 | MH-421 | 475.74 | 474.59 | 474.22 | 150.0 | 33 | 1.00 | 89.099 | 0.010 | 0.72 | 0.15 |
| CO-419 | MH-421 | MH-422 | 475.37 | 474.22 | 474.03 | 150.0 | 25 | 1.00 | 131.292 | 0.010 | 0.64 | 0.17 |
| CO-420 | MH-422 | MH-423 | 475.18 | 474.03 | 473.63 | 150.0 | 30 | 1.00 | 74.455 | 0.010 | 0.81 | 0.18 |
| CO-421 | MH-423 | MH-424 | 474.78 | 473.63 | 473.36 | 150.0 | 30 | 1.00 | 109.682 | 0.010 | 0.72 | 0.19 |
| CO-422 | MH-424 | MH-425 | 474.51 | 473.36 | 472.99 | 150.0 | 30 | 1.00 | 81.281 | 0.010 | 0.81 | 0.20 |
| CO-424 | MH-425 | MH-427 | 474.14 | 472.99 | 472.53 | 150.0 | 25 | 1.00 | 55.276 | 0.010 | 0.96 | 0.23 |
| CO-425 | MH-427 | MH-428 | 473.68 | 472.53 | 472.14 | 150.0 | 27 | 1.00 | 68.291 | 0.010 | 0.91 | 0.24 |
| CO-426 | MH-428 | MH-429 | 473.29 | 472.14 | 471.66 | 150.0 | 30 | 1.00 | 62.820 | 0.010 | 0.95 | 0.25 |
| CO-427 | MH-429 | MH-430 | 472.81 | 471.66 | 471.32 | 150.0 | 30 | 1.00 | 86.047 | 0.010 | 0.85 | 0.26 |
| CO-428 | MH-430 | MH-407 | 472.47 | 471.32 | 470.89 | 150.0 | 30 | 1.13 | 70.584 | 0.010 | 0.93 | 0.27 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-397 | MH-400 | MH-401 | 473.86 | 472.71 | 472.43 | 150.0 | 27 | 1.00 | 95.131 | 0.010 | 0.33 | 0.01 |
| CO-398 | MH-401 | MH-402 | 473.58 | 472.43 | 472.36 | 150.0 | 30 | 1.03 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-399 | MH-402 | MH-403 | 473.56 | 472.36 | 472.12 | 150.0 | 25 | 1.03 | 105.207 | 0.010 | 0.44 | 0.04 |
| CO-400 | MH-403 | MH-399 | 473.27 | 472.12 | 471.67 | 150.0 | 32 | 1.06 | 71.430 | 0.010 | 0.55 | 0.05 |
| CO-5589 | MH-5567 | MH-5573 | 474.58 | 473.43 | 473.38 | 150.0 | 21 | 1.05 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-5590 | MH-5573 | MH-396 | 474.63 | 473.38 | 473.33 | 150.0 | 20 | 1.16 | 450.000 | 0.010 | 0.23 | 0.02 |
| CO-390 | MH-393 | MH-394 | 475.86 | 474.71 | 474.58 | 150.0 | 29 | 1.00 | 213.131 | 0.010 | 0.25 | 0.01 |
| CO-391 | MH-394 | MH-395 | 475.73 | 474.58 | 474.23 | 150.0 | 29 | 1.00 | 83.383 | 0.010 | 0.43 | 0.02 |
| CO-392 | MH-395 | MH-396 | 475.38 | 474.23 | 473.33 | 150.0 | 30 | 1.10 | 33.962 | 0.010 | 0.66 | 0.04 |
| CO-5587 | MH-5568 | MH-5572 | 474.75 | 473.60 | 473.53 | 150.0 | 27 | 1.02 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-5588 | MH-5572 | MH-396 | 474.72 | 473.53 | 473.33 | 150.0 | 25 | 1.12 | 127.472 | 0.010 | 0.36 | 0.02 |
| CO-393 | MH-396 | MH-392 | 474.69 | 473.33 | 473.28 | 150.0 | 22 | 1.10 | 450.000 | 0.010 | 0.35 | 0.09 |
| CO-385 | MH-388 | MH-389 | 475.42 | 474.27 | 473.93 | 150.0 | 26 | 1.00 | 76.531 | 0.010 | 0.35 | 0.01 |
| CO-386 | MH-389 | MH-390 | 475.08 | 473.93 | 473.49 | 150.0 | 31 | 1.00 | 70.345 | 0.010 | 0.45 | 0.02 |
| CO-387 | MH-390 | MH-387 | 474.64 | 473.49 | 472.01 | 150.0 | 29 | 1.65 | 19.761 | 0.010 | 0.79 | 0.04 |
| CO-374 | MH-377 | MH-378 | 473.58 | 472.43 | 472.35 | 150.0 | 30 | 1.14 | 398.076 | 0.010 | 0.20 | 0.01 |
| CO-375 | MH-378 | MH-379 | 473.78 | 472.35 | 472.29 | 150.0 | 30 | 1.47 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-376 | MH-379 | MH-380 | 474.11 | 472.29 | 472.22 | 150.0 | 30 | 1.87 | 450.000 | 0.010 | 0.27 | 0.04 |
| CO-377 | MH-380 | MH-376 | 474.44 | 472.22 | 472.16 | 150.0 | 29 | 2.40 | 450.000 | 0.010 | 0.29 | 0.05 |
| CO-5523 | MH-375 | MH-5520 | 474.98 | 473.78 | 473.86 | 150.0 | 30 | 1.02 | 391.656 | 0.010 | 0.20 | 0.01 |
| CO-373 | MH-375 | MH-376 | 474.98 | 473.78 | 472.16 | 150.0 | 31 | 1.89 | 19.111 | 0.010 | 0.70 | 0.02 |
| CO-378 | MH-381 | MH-382 | 476.31 | 475.16 | 474.85 | 150.0 | 31 | 1.00 | 101.945 | 0.010 | 0.32 | 0.01 |
| CO-379 | MH-382 | MH-383 | 476.00 | 474.85 | 474.52 | 150.0 | 30 | 1.00 | 90.357 | 0.010 | 0.41 | 0.02 |
| CO-380 | MH-383 | MH-384 | 475.67 | 474.52 | 474.30 | 150.0 | 30 | 1.00 | 132.234 | 0.010 | 0.41 | 0.04 |
| CO-381 | MH-384 | MH-376 | 475.45 | 474.30 | 473.89 | 150.0 | 24 | 1.00 | 60.285 | 0.010 | 0.58 | 0.05 |
| CO-382 | MH-376 | MH-385 | 475.04 | 472.16 | 472.11 | 150.0 | 23 | 2.77 | 450.000 | 0.010 | 0.39 | 0.13 |
| CO-383 | MH-385 | MH-386 | 475.06 | 472.11 | 472.06 | 150.0 | 20 | 2.72 | 450.000 | 0.010 | 0.40 | 0.14 |
| CO-384 | MH-386 | MH-387 | 474.84 | 472.06 | 472.01 | 150.0 | 24 | 2.47 | 450.000 | 0.010 | 0.41 | 0.15 |
| CO-388 | MH-387 | MH-391 | 474.46 | 472.01 | 471.94 | 150.0 | 30 | 2.29 | 450.000 | 0.010 | 0.44 | 0.20 |
| CO-389 | MH-391 | MH-392 | 474.36 | 471.94 | 471.86 | 150.0 | 34 | 2.35 | 450.000 | 0.010 | 0.45 | 0.21 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-394 | MH-392 | MH-397 | 474.44 | 471.86 | 471.81 | 150.0 | 23 | 2.30 | 450.000 | 0.010 | 0.50 | 0.32 |
| CO-395 | MH-397 | MH-398 | 474.15 | 471.81 | 471.75 | 150.0 | 30 | 1.99 | 450.000 | 0.010 | 0.50 | 0.33 |
| CO-396 | MH-398 | MH-399 | 473.69 | 471.75 | 471.67 | 150.0 | 34 | 1.46 | 450.000 | 0.010 | 0.51 | 0.34 |
| CO-401 | MH-399 | MH-404 | 472.95 | 471.67 | 471.34 | 150.0 | 31 | 1.06 | 93.704 | 0.010 | 0.94 | 0.40 |
| CO-402 | MH-404 | MH-372 | 472.49 | 471.34 | 471.06 | 150.0 | 30 | 1.06 | 108.751 | 0.010 | 0.90 | 0.42 |
| CO-365 | MH-366 | MH-367 | 473.68 | 472.53 | 472.39 | 150.0 | 24 | 1.00 | 174.448 | 0.010 | 0.26 | 0.01 |
| CO-366 | MH-367 | MH-368 | 473.54 | 472.39 | 471.89 | 150.0 | 27 | 1.00 | 53.697 | 0.010 | 0.49 | 0.02 |
| CO-367 | MH-368 | MH-369 | 473.04 | 471.89 | 471.65 | 150.0 | 23 | 1.00 | 91.990 | 0.010 | 0.46 | 0.04 |
| CO-368 | MH-369 | MH-370 | 472.80 | 471.65 | 471.26 | 150.0 | 30 | 1.00 | 78.310 | 0.010 | 0.53 | 0.05 |
| CO-369 | MH-370 | MH-371 | 472.41 | 471.26 | 471.12 | 150.0 | 28 | 1.00 | 196.088 | 0.010 | 0.41 | 0.06 |
| CO-370 | MH-371 | MH-372 | 472.27 | 471.12 | 471.06 | 150.0 | 28 | 1.06 | 450.000 | 0.010 | 0.33 | 0.07 |
| CO-403 | MH-372 | MH-405 | 472.32 | 471.06 | 471.01 | 150.0 | 23 | 1.13 | 450.000 | 0.010 | 0.56 | 0.50 |
| CO-404 | MH-405 | MH-406 | 472.29 | 471.01 | 470.94 | 150.0 | 30 | 1.19 | 450.000 | 0.010 | 0.56 | 0.51 |
| CO-405 | MH-406 | MH-407 | 472.33 | 470.94 | 470.89 | 150.0 | 22 | 1.25 | 450.000 | 0.010 | 0.56 | 0.52 |
| CO-429 | MH-407 | MH-431 | 472.31 | 470.89 | 470.75 | 150.0 | 25 | 1.36 | 170.000 | 0.010 | 0.90 | 0.81 |
| CO-430 | MH-431 | MH-432 | 472.35 | 470.75 | 470.57 | 150.0 | 30 | 1.53 | 170.000 | 0.010 | 0.91 | 0.82 |
| CO-431 | MH-432 | MH-433 | 472.34 | 470.57 | 470.40 | 150.0 | 30 | 1.67 | 170.000 | 0.010 | 0.91 | 0.83 |
| CO-432 | MH-433 | MH-434 | 472.26 | 470.40 | 470.21 | 150.0 | 31 | 1.79 | 170.000 | 0.010 | 0.91 | 0.84 |
| CO-433 | MH-434 | MH-435 | 472.23 | 470.21 | 470.01 | 150.0 | 34 | 1.99 | 170.000 | 0.010 | 0.92 | 0.86 |
| CO-434 | MH-435 | MH-436 | 472.27 | 470.01 | 469.84 | 150.0 | 30 | 2.08 | 170.000 | 0.010 | 0.92 | 0.87 |
| CO-435 | MH-436 | MH-437 | 472.04 | 469.84 | 469.66 | 150.0 | 30 | 2.15 | 170.000 | 0.010 | 0.92 | 0.88 |
| CO-436 | MH-437 | MH-438 | 472.06 | 469.66 | 469.48 | 150.0 | 30 | 2.51 | 170.000 | 0.010 | 0.92 | 0.89 |
| CO-437 | MH-438 | MH-439 | 472.40 | 469.48 | 469.30 | 150.0 | 30 | 2.89 | 170.000 | 0.010 | 0.93 | 0.90 |
| CO-462 | MH-439 | MH-464 | 472.46 | 469.30 | 469.13 | 150.0 | 30 | 3.09 | 170.000 | 0.010 | 0.93 | 0.92 |
| CO-463 | MH-464 | MH-465 | 472.45 | 469.13 | 468.95 | 150.0 | 30 | 3.25 | 170.000 | 0.010 | 0.93 | 0.93 |
| CO-5581 | MH-5566 | MH-5569 | 475.95 | 474.80 | 474.57 | 150.0 | 30 | 1.00 | 128.884 | 0.010 | 0.29 | 0.01 |
| CO-5583 | MH-5569 | MH-5570 | 475.72 | 474.57 | 474.40 | 150.0 | 30 | 1.00 | 181.395 | 0.010 | 0.32 | 0.02 |
| CO-5585 | MH-5570 | MH-5571 | 475.55 | 474.40 | 474.20 | 150.0 | 33 | 1.00 | 165.123 | 0.010 | 0.37 | 0.03 |
| CO-5586 | MH-5571 | MH-447 | 475.35 | 474.20 | 473.95 | 150.0 | 34 | 1.02 | 133.106 | 0.010 | 0.44 | 0.05 |
| CO-438 | MH-440 | MH-441 | 475.39 | 474.24 | 473.99 | 150.0 | 30 | 1.00 | 120.701 | 0.010 | 0.30 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-444 | MH-441 | MH-447 | 475.14 | 473.99 | 473.95 | 150.0 | 18 | 1.02 | 450.000 | 0.010 | 0.24 | 0.02 |
| CO-445 | MH-447 | MH-448 | 475.15 | 473.95 | 473.86 | 150.0 | 42 | 1.09 | 450.000 | 0.010 | 0.34 | 0.08 |
| CO-446 | MH-448 | MH-449 | 475.13 | 473.86 | 473.79 | 150.0 | 30 | 1.17 | 450.000 | 0.010 | 0.35 | 0.09 |
| CO-447 | MH-449 | MH-450 | 475.15 | 473.79 | 473.72 | 150.0 | 30 | 1.34 | 450.000 | 0.010 | 0.37 | 0.11 |
| CO-448 | MH-450 | MH-451 | 475.34 | 473.72 | 473.65 | 150.0 | 32 | 1.55 | 450.000 | 0.010 | 0.38 | 0.12 |
| CO-449 | MH-451 | MH-452 | 475.44 | 473.65 | 473.57 | 150.0 | 37 | 1.76 | 450.000 | 0.010 | 0.39 | 0.13 |
| CO-450 | MH-453 | MH-452 | 476.03 | 473.48 | 473.57 | 150.0 | 40 | 2.14 | 450.000 | 0.010 | 0.40 | 0.14 |
| CO-5528 | MH-453 | MH-466 | 476.03 | 473.48 | 473.42 | 150.0 | 26 | 2.47 | 450.000 | 0.010 | 0.41 | 0.15 |
| CO-464 | MH-466 | MH-467 | 476.10 | 473.42 | 473.38 | 150.0 | 21 | 2.57 | 450.000 | 0.010 | 0.41 | 0.17 |
| CO-465 | MH-467 | MH-468 | 476.14 | 473.38 | 473.32 | 150.0 | 26 | 2.41 | 450.000 | 0.010 | 0.42 | 0.18 |
| CO-466 | MH-468 | MH-469 | 475.67 | 473.32 | 473.26 | 150.0 | 25 | 2.06 | 450.000 | 0.010 | 0.43 | 0.19 |
| CO-469 | MH-469 | MH-472 | 475.33 | 473.26 | 473.20 | 150.0 | 30 | 1.75 | 450.000 | 0.010 | 0.44 | 0.20 |
| CO-470 | MH-472 | MH-473 | 474.94 | 473.20 | 473.13 | 150.0 | 30 | 1.41 | 450.000 | 0.010 | 0.45 | 0.21 |
| CO-471 | MH-473 | MH-474 | 474.51 | 473.13 | 473.02 | 150.0 | 30 | 1.12 | 269.177 | 0.010 | 0.54 | 0.23 |
| CO-472 | MH-474 | MH-475 | 474.17 | 473.02 | 472.67 | 150.0 | 30 | 1.00 | 83.879 | 0.010 | 0.84 | 0.24 |
| CO-473 | MH-475 | MH-476 | 473.82 | 472.67 | 472.32 | 150.0 | 30 | 1.00 | 86.934 | 0.010 | 0.84 | 0.25 |
| CO-475 | MH-476 | MH-478 | 473.47 | 472.32 | 472.00 | 150.0 | 30 | 1.00 | 92.882 | 0.010 | 0.83 | 0.26 |
| CO-476 | MH-478 | MH-479 | 473.15 | 472.00 | 471.60 | 150.0 | 30 | 1.00 | 75.313 | 0.010 | 0.91 | 0.27 |
| CO-478 | MH-479 | MH-465 | 472.75 | 471.60 | 471.29 | 150.0 | 30 | 1.00 | 94.104 | 0.010 | 0.85 | 0.28 |
| CO-5522 | MH-485 | MH-465 | 472.07 | 468.83 | 468.90 | 200.0 | 30 | 3.19 | 450.000 | 0.010 | 0.69 | 1.22 |
| CO-484 | MH-485 | MH-486 | 472.07 | 468.83 | 468.75 | 200.0 | 38 | 2.86 | 450.000 | 0.010 | 0.69 | 1.24 |
| CO-487 | MH-486 | MH-489 | 471.62 | 468.75 | 468.68 | 200.0 | 32 | 2.51 | 450.000 | 0.010 | 0.70 | 1.25 |
| CO-488 | MH-489 | MH-490 | 471.21 | 468.68 | 468.61 | 200.0 | 30 | 2.16 | 450.000 | 0.010 | 0.70 | 1.26 |
| CO-489 | MH-490 | MH-491 | 470.80 | 468.61 | 468.54 | 200.0 | 30 | 1.81 | 450.000 | 0.010 | 0.70 | 1.27 |
| CO-490 | MH-491 | MH-492 | 470.36 | 468.54 | 468.48 | 200.0 | 30 | 1.46 | 450.000 | 0.010 | 0.70 | 1.28 |
| CO-491 | MH-492 | MH-493 | 469.97 | 468.48 | 468.44 | 200.0 | 18 | 1.18 | 450.000 | 0.010 | 0.70 | 1.30 |
| CO-492 | MH-493 | MH-494 | 469.70 | 468.44 | 468.17 | 200.0 | 24 | 1.03 | 89.390 | 0.010 | 1.29 | 1.31 |
| CO-493 | MH-494 | MH-365 | 469.37 | 468.17 | 466.42 | 200.0 | 30 | 1.00 | 17.094 | 0.010 | 2.35 | 1.32 |
| CO-494 | MH-365 | MH-495 | 467.62 | 465.70 | 465.63 | 350.0 | 30 | 2.18 | 450.000 | 0.011 | 0.92 | 4.97 |
| CO-495 | MH-495 | MH-496 | 468.77 | 465.63 | 465.56 | 350.0 | 31 | 2.70 | 450.000 | 0.011 | 0.92 | 4.98 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-502 | MH-496 | MH-503 | 468.53 | 465.56 | 465.50 | 350.0 | 29 | 2.55 | 450.000 | 0.011 | 0.92 | 4.99 |
| CO-503 | MH-503 | MH-504 | 468.34 | 465.50 | 465.43 | 350.0 | 30 | 2.40 | 450.000 | 0.011 | 0.92 | 5.00 |
| CO-504 | MH-504 | MH-505 | 468.11 | 465.43 | 465.37 | 350.0 | 30 | 2.23 | 450.000 | 0.011 | 0.92 | 5.02 |
| CO-505 | MH-505 | OF-2 | 467.86 | 465.37 | 465.29 | 350.0 | 32 | 2.05 | 450.000 | 0.011 | 0.92 | 5.03 |

Hydraulic Model Inventory: Zone X Part III.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part III) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 29-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 872 | Taps | 0 |
| -Circle | 872 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 872 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|---------|
| Circle - 150.0 mm | 19,485 m | Circle - 400.0 mm | 1,306 m |
| Circle - 170.0 mm | 703 m | Circle - 450.0 mm | 69 m |
| Circle - 200.0 mm | 397 m | Circle - 500.0 mm | 499 m |

Hydraulic Model Inventory: Zone X Part III.stsw

| Circle Inventory | | | |
|-------------------|-------|-------------------|----------|
| Circle - 250.0 mm | 739 m | Circle - 600.0 mm | 515 m |
| Circle - 300.0 mm | 458 m | Total Length | 24,299 m |
| Circle - 350.0 mm | 129 m | | |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1337 | MH-1340 | MH-1341 | 475.42 | 474.27 | 473.84 | 150.0 | 44 | 1.11 | 101.893 | 0.010 | 0.34 | 0.01548 |
| CO-1338 | MH-1341 | MH-1342 | 475.22 | 473.84 | 473.54 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1339 | MH-1342 | MH-1343 | 474.69 | 473.50 | 473.18 | 150.0 | 32 | 1.02 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1340 | MH-1343 | MH-1344 | 474.33 | 473.17 | 472.88 | 150.0 | 29 | 1.01 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-1341 | MH-1344 | MH-1345 | 474.03 | 472.85 | 472.53 | 150.0 | 32 | 1.01 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-1342 | MH-1345 | MH-1346 | 473.68 | 472.06 | 471.78 | 150.0 | 28 | 1.24 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-1343 | MH-1346 | MH-1347 | 472.93 | 471.47 | 471.19 | 150.0 | 28 | 1.16 | 100.000 | 0.010 | 0.63 | 0.10835 |
| CO-1344 | MH-1347 | MH-1339 | 472.34 | 471.19 | 470.89 | 150.0 | 32 | 1.00 | 107.295 | 0.010 | 0.64 | 0.12382 |
| CO-1475 | MH-1479 | MH-1480 | 475.03 | 473.79 | 473.50 | 150.0 | 30 | 1.04 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1476 | MH-1480 | MH-1481 | 474.65 | 473.20 | 472.90 | 150.0 | 30 | 1.15 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1477 | MH-1481 | MH-1482 | 474.05 | 472.82 | 472.52 | 150.0 | 30 | 1.04 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1478 | MH-1482 | MH-1483 | 473.67 | 472.52 | 472.26 | 150.0 | 27 | 1.01 | 105.125 | 0.010 | 0.52 | 0.06191 |
| CO-1479 | MH-1483 | MH-1484 | 473.42 | 472.26 | 471.97 | 150.0 | 29 | 1.01 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-1480 | MH-1484 | MH-1485 | 473.12 | 471.39 | 471.02 | 150.0 | 37 | 1.29 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-1481 | MH-1485 | MH-1478 | 472.17 | 471.02 | 470.82 | 150.0 | 36 | 1.00 | 173.853 | 0.010 | 0.51 | 0.10835 |
| CO-1467 | MH-1471 | MH-1472 | 475.04 | 473.89 | 473.58 | 150.0 | 31 | 1.00 | 100.073 | 0.010 | 0.35 | 0.01548 |
| CO-1468 | MH-1472 | MH-1473 | 474.73 | 473.32 | 473.04 | 150.0 | 28 | 1.13 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1469 | MH-1473 | MH-1474 | 474.19 | 472.82 | 472.50 | 150.0 | 32 | 1.11 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1470 | MH-1474 | MH-1475 | 473.65 | 472.38 | 472.07 | 150.0 | 31 | 1.06 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-1471 | MH-1475 | MH-1476 | 473.22 | 471.84 | 471.52 | 150.0 | 32 | 1.11 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-1472 | MH-1476 | MH-1477 | 472.67 | 471.23 | 470.94 | 150.0 | 29 | 1.15 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-1473 | MH-1477 | MH-1470 | 472.09 | 470.94 | 470.72 | 150.0 | 30 | 1.00 | 136.972 | 0.010 | 0.56 | 0.10835 |
| CO-1441 | MH-1445 | MH-1446 | 473.88 | 472.73 | 472.57 | 150.0 | 25 | 1.13 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1442 | MH-1446 | MH-1447 | 473.98 | 472.57 | 472.49 | 150.0 | 22 | 1.27 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1444 | MH-1447 | MH-1449 | 473.93 | 472.49 | 472.43 | 150.0 | 24 | 1.36 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1445 | MH-1449 | MH-1450 | 474.01 | 472.43 | 472.35 | 150.0 | 40 | 1.65 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1446 | MH-1450 | MH-1451 | 474.39 | 472.35 | 472.29 | 150.0 | 31 | 2.07 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1447 | MH-1452 | MH-1453 | 474.60 | 473.45 | 473.25 | 150.0 | 32 | 1.17 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1448 | MH-1453 | MH-1454 | 474.75 | 473.25 | 473.16 | 150.0 | 28 | 1.42 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1449 | MH-1454 | MH-1455 | 474.81 | 473.16 | 473.10 | 150.0 | 24 | 1.53 | 396.631 | 0.010 | 0.30 | 0.04643 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1450 | MH-1455 | MH-1456 | 474.81 | 473.10 | 473.04 | 150.0 | 27 | 1.65 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1451 | MH-1456 | MH-1457 | 474.93 | 473.04 | 472.98 | 150.0 | 33 | 1.94 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1452 | MH-1457 | MH-1451 | 475.28 | 472.98 | 472.91 | 150.0 | 32 | 1.89 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1453 | MH-1451 | MH-1458 | 474.70 | 472.29 | 472.25 | 150.0 | 20 | 2.27 | 500.000 | 0.010 | 0.41 | 0.18574 |
| CO-1454 | MH-1458 | MH-1459 | 474.68 | 472.25 | 472.19 | 150.0 | 30 | 2.35 | 500.000 | 0.010 | 0.42 | 0.20121 |
| CO-1455 | MH-1459 | MH-1460 | 474.76 | 472.19 | 472.15 | 150.0 | 22 | 2.53 | 500.000 | 0.010 | 0.43 | 0.21669 |
| CO-1456 | MH-1460 | MH-1461 | 474.94 | 472.15 | 472.12 | 150.0 | 13 | 2.51 | 500.000 | 0.010 | 0.44 | 0.23217 |
| CO-1457 | MH-1461 | MH-1462 | 474.64 | 472.12 | 472.08 | 150.0 | 20 | 2.25 | 500.000 | 0.010 | 0.45 | 0.24765 |
| CO-1458 | MH-1462 | MH-1463 | 474.36 | 472.08 | 472.03 | 150.0 | 27 | 2.20 | 500.000 | 0.010 | 0.46 | 0.26313 |
| CO-1459 | MH-1463 | MH-1464 | 474.44 | 472.03 | 471.97 | 150.0 | 26 | 2.33 | 500.000 | 0.010 | 0.46 | 0.27860 |
| CO-1460 | MH-1464 | MH-1465 | 474.51 | 471.97 | 471.90 | 150.0 | 35 | 2.30 | 500.000 | 0.010 | 0.47 | 0.29408 |
| CO-1461 | MH-1465 | MH-953 | 474.27 | 471.90 | 471.85 | 150.0 | 29 | 2.08 | 500.000 | 0.010 | 0.47 | 0.30956 |
| CO-1420 | MH-1424 | MH-1425 | 473.56 | 472.41 | 472.19 | 150.0 | 34 | 1.12 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1421 | MH-1425 | MH-1426 | 473.59 | 472.19 | 472.11 | 150.0 | 24 | 1.29 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1422 | MH-1426 | MH-1427 | 473.59 | 472.11 | 472.03 | 150.0 | 29 | 1.48 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1423 | MH-1427 | MH-1428 | 473.82 | 472.03 | 471.97 | 150.0 | 30 | 1.84 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1424 | MH-1428 | MH-1429 | 474.16 | 471.97 | 471.91 | 150.0 | 30 | 2.13 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1425 | MH-1429 | MH-1430 | 474.28 | 471.91 | 471.85 | 150.0 | 31 | 2.21 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1426 | MH-1430 | MH-916 | 474.21 | 471.85 | 471.81 | 150.0 | 21 | 2.25 | 500.000 | 0.010 | 0.35 | 0.10835 |
| CO-1413 | MH-1417 | MH-1418 | 473.25 | 472.10 | 471.91 | 150.0 | 30 | 1.19 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1414 | MH-1418 | MH-1419 | 473.44 | 471.91 | 471.79 | 150.0 | 33 | 1.36 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1415 | MH-1419 | MH-1420 | 473.27 | 471.79 | 471.71 | 150.0 | 32 | 1.50 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1416 | MH-1420 | MH-1421 | 473.53 | 471.71 | 471.65 | 150.0 | 28 | 1.87 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1417 | MH-1421 | MH-1422 | 473.88 | 471.65 | 471.58 | 150.0 | 36 | 2.00 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1418 | MH-1422 | MH-1413 | 473.66 | 471.58 | 471.52 | 150.0 | 30 | 1.95 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1410 | MH-1414 | MH-1415 | 473.29 | 472.14 | 471.96 | 150.0 | 29 | 1.23 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1411 | MH-1415 | MH-1416 | 473.56 | 471.96 | 471.85 | 150.0 | 31 | 1.66 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1412 | MH-1416 | MH-1413 | 473.87 | 471.85 | 471.78 | 150.0 | 29 | 1.79 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1395 | MH-1400 | MH-1401 | 474.86 | 473.51 | 473.28 | 150.0 | 23 | 1.10 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1396 | MH-1401 | MH-1402 | 474.43 | 472.99 | 472.65 | 150.0 | 34 | 1.14 | 100.000 | 0.010 | 0.43 | 0.03096 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1397 | MH-1402 | MH-1403 | 473.80 | 472.65 | 472.38 | 150.0 | 27 | 1.00 | 101.489 | 0.010 | 0.48 | 0.04643 |
| CO-1398 | MH-1403 | MH-1404 | 473.53 | 472.38 | 472.18 | 150.0 | 34 | 1.00 | 163.270 | 0.010 | 0.45 | 0.06191 |
| CO-1399 | MH-1404 | MH-1399 | 473.33 | 472.18 | 472.12 | 150.0 | 30 | 1.06 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-3988 | MH-3986 | MH-3987 | 474.93 | 471.50 | 471.38 | 400.0 | 28 | 2.83 | 233.276 | 0.011 | 1.32 | 7.72846 |
| CO-3989 | MH-3987 | MH-1396 | 474.41 | 471.38 | 471.32 | 400.0 | 29 | 2.59 | 500.000 | 0.011 | 0.98 | 7.74140 |
| CO-1392 | MH-1396 | MH-1397 | 474.27 | 471.32 | 471.27 | 400.0 | 25 | 2.45 | 500.000 | 0.011 | 0.98 | 7.75434 |
| CO-1393 | MH-1397 | MH-1398 | 474.02 | 471.27 | 471.22 | 400.0 | 28 | 2.22 | 500.000 | 0.011 | 0.98 | 7.76728 |
| CO-1394 | MH-1398 | MH-1399 | 473.70 | 471.22 | 471.17 | 400.0 | 23 | 1.95 | 500.000 | 0.011 | 0.98 | 7.78022 |
| CO-1400 | MH-1399 | MH-1405 | 473.39 | 471.17 | 471.11 | 400.0 | 30 | 1.75 | 500.000 | 0.011 | 0.98 | 7.85786 |
| CO-1401 | MH-1405 | MH-1406 | 473.19 | 471.11 | 471.06 | 400.0 | 26 | 1.72 | 500.000 | 0.011 | 0.98 | 7.87080 |
| CO-1403 | MH-1406 | MH-1408 | 473.21 | 471.06 | 471.00 | 400.0 | 29 | 1.77 | 500.000 | 0.011 | 0.98 | 7.88374 |
| CO-1404 | MH-1408 | MH-1409 | 473.18 | 471.00 | 470.94 | 400.0 | 31 | 1.89 | 500.000 | 0.011 | 0.98 | 7.89668 |
| CO-1405 | MH-1409 | MH-1410 | 473.34 | 470.94 | 470.88 | 400.0 | 30 | 2.09 | 500.000 | 0.011 | 0.98 | 7.90962 |
| CO-1406 | MH-1410 | MH-1411 | 473.46 | 470.88 | 470.82 | 400.0 | 30 | 2.19 | 500.000 | 0.011 | 0.98 | 7.92256 |
| CO-1407 | MH-1411 | MH-1412 | 473.42 | 470.82 | 470.77 | 400.0 | 22 | 2.19 | 500.000 | 0.011 | 0.98 | 7.93550 |
| CO-1408 | MH-1412 | MH-1381 | 473.35 | 470.77 | 470.72 | 400.0 | 28 | 2.20 | 500.000 | 0.011 | 0.98 | 7.94844 |
| CO-1378 | MH-1382 | MH-1383 | 473.00 | 471.85 | 471.67 | 150.0 | 27 | 1.18 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1379 | MH-1383 | MH-1384 | 473.18 | 471.67 | 471.57 | 150.0 | 30 | 1.53 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1380 | MH-1384 | MH-1381 | 473.43 | 471.57 | 471.49 | 150.0 | 30 | 1.71 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1373 | MH-1377 | MH-1378 | 472.70 | 471.55 | 471.32 | 150.0 | 37 | 1.26 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1374 | MH-1378 | MH-1379 | 472.99 | 471.32 | 471.18 | 150.0 | 40 | 1.56 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1375 | MH-1379 | MH-1380 | 472.93 | 471.18 | 471.11 | 150.0 | 30 | 1.60 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1376 | MH-1380 | MH-1372 | 472.86 | 471.11 | 471.06 | 150.0 | 22 | 1.53 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1369 | MH-1373 | MH-1374 | 472.64 | 471.49 | 471.41 | 150.0 | 13 | 1.07 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1370 | MH-1374 | MH-1375 | 472.69 | 471.41 | 471.35 | 150.0 | 17 | 1.19 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1371 | MH-1375 | MH-1372 | 472.75 | 471.35 | 471.27 | 150.0 | 29 | 1.24 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1345 | MH-1348 | MH-1349 | 471.31 | 470.16 | 469.93 | 150.0 | 37 | 1.34 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1346 | MH-1349 | MH-1350 | 471.76 | 469.93 | 469.81 | 150.0 | 34 | 1.88 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1347 | MH-1350 | MH-1351 | 472.03 | 469.81 | 469.73 | 150.0 | 30 | 2.23 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1348 | MH-1351 | MH-1352 | 472.27 | 469.73 | 469.65 | 150.0 | 40 | 2.27 | 500.000 | 0.010 | 0.30 | 0.06191 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1349 | MH-1352 | MH-1353 | 471.96 | 469.65 | 469.57 | 150.0 | 41 | 2.03 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1358 | MH-1362 | MH-1363 | 472.77 | 471.08 | 470.84 | 150.0 | 24 | 1.27 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1359 | MH-1363 | MH-1364 | 471.99 | 470.84 | 470.62 | 150.0 | 29 | 1.00 | 135.331 | 0.010 | 0.39 | 0.03096 |
| CO-1360 | MH-1364 | MH-1365 | 471.77 | 470.62 | 470.55 | 150.0 | 30 | 1.02 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1361 | MH-1365 | MH-1366 | 471.73 | 470.55 | 470.49 | 150.0 | 30 | 1.02 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1363 | MH-1366 | MH-1368 | 471.64 | 470.49 | 470.46 | 150.0 | 14 | 1.01 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1366 | MH-1368 | MH-1371 | 471.62 | 470.46 | 470.40 | 150.0 | 31 | 1.02 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1367 | MH-1371 | MH-1353 | 471.58 | 470.40 | 470.33 | 150.0 | 32 | 1.09 | 500.000 | 0.010 | 0.35 | 0.10835 |
| CO-1368 | MH-1353 | MH-1372 | 471.63 | 469.57 | 469.46 | 150.0 | 53 | 2.48 | 500.000 | 0.010 | 0.42 | 0.20121 |
| CO-1377 | MH-1372 | MH-1381 | 472.66 | 469.46 | 469.40 | 150.0 | 30 | 3.42 | 500.000 | 0.010 | 0.48 | 0.32504 |
| CO-1409 | MH-1381 | MH-1413 | 473.34 | 469.15 | 469.09 | 400.0 | 32 | 3.97 | 500.000 | 0.011 | 0.99 | 8.27194 |
| CO-1419 | MH-1413 | MH-916 | 473.65 | 469.09 | 469.03 | 400.0 | 31 | 4.49 | 500.000 | 0.011 | 0.99 | 8.40134 |
| CO-1436 | MH-916 | MH-917 | 474.25 | 469.03 | 468.96 | 400.0 | 37 | 4.94 | 500.000 | 0.011 | 0.99 | 8.50486 |
| CO-1427 | MH-1431 | MH-1432 | 473.81 | 472.66 | 472.54 | 150.0 | 19 | 1.05 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1429 | MH-1432 | MH-1434 | 473.78 | 472.54 | 472.47 | 150.0 | 20 | 1.14 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1430 | MH-1434 | MH-1435 | 473.81 | 472.47 | 472.40 | 150.0 | 27 | 1.34 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1431 | MH-1435 | MH-1436 | 474.05 | 472.40 | 472.34 | 150.0 | 33 | 1.77 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1432 | MH-1436 | MH-1437 | 474.52 | 472.34 | 472.28 | 150.0 | 30 | 2.02 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1433 | MH-1437 | MH-1438 | 474.44 | 472.28 | 472.21 | 150.0 | 31 | 2.18 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1434 | MH-1438 | MH-1439 | 474.72 | 472.21 | 472.14 | 150.0 | 39 | 2.31 | 500.000 | 0.010 | 0.35 | 0.10835 |
| CO-1435 | MH-1439 | MH-917 | 474.56 | 472.14 | 472.04 | 150.0 | 47 | 2.25 | 500.000 | 0.010 | 0.37 | 0.12382 |
| CO-1437 | MH-917 | MH-918 | 474.41 | 468.96 | 468.89 | 400.0 | 31 | 4.91 | 500.000 | 0.011 | 0.99 | 8.62132 |
| CO-1438 | MH-918 | MH-919 | 474.07 | 468.89 | 468.84 | 400.0 | 29 | 4.64 | 500.000 | 0.011 | 0.99 | 8.63426 |
| CO-1439 | MH-919 | MH-947 | 473.74 | 468.84 | 468.77 | 400.0 | 32 | 4.60 | 500.000 | 0.011 | 0.99 | 8.64720 |
| CO-1440 | MH-947 | MH-953 | 473.86 | 468.77 | 468.71 | 400.0 | 30 | 4.76 | 500.000 | 0.011 | 0.99 | 8.66014 |
| CO-1462 | MH-953 | MH-1466 | 473.94 | 468.71 | 468.65 | 400.0 | 31 | 4.66 | 500.000 | 0.011 | 1.00 | 8.93188 |
| CO-1463 | MH-1466 | MH-1467 | 473.55 | 468.65 | 468.59 | 400.0 | 29 | 4.18 | 500.000 | 0.011 | 1.00 | 8.94482 |
| CO-1464 | MH-1467 | MH-1468 | 472.85 | 468.59 | 468.53 | 400.0 | 30 | 3.61 | 500.000 | 0.011 | 1.00 | 8.95776 |
| CO-1465 | MH-1468 | MH-1469 | 472.30 | 468.53 | 468.47 | 400.0 | 30 | 3.15 | 500.000 | 0.011 | 1.00 | 8.97070 |
| CO-1466 | MH-1469 | MH-1470 | 471.80 | 468.47 | 468.43 | 400.0 | 18 | 2.99 | 500.000 | 0.011 | 1.00 | 8.98364 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1474 | MH-1470 | MH-1478 | 471.87 | 468.43 | 468.39 | 400.0 | 23 | 3.11 | 500.000 | 0.011 | 1.00 | 9.08716 |
| CO-1482 | MH-1478 | MH-1339 | 471.97 | 468.39 | 468.35 | 400.0 | 17 | 3.23 | 500.000 | 0.011 | 1.00 | 9.19068 |
| CO-5705 | MH-5677 | MH-5678 | 475.40 | 474.25 | 474.05 | 150.0 | 30 | 1.22 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5706 | MH-5678 | MH-1330 | 475.64 | 474.05 | 473.94 | 150.0 | 30 | 1.55 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-1327 | MH-1330 | MH-1331 | 475.76 | 473.94 | 473.92 | 150.0 | 7 | 1.63 | 392.969 | 0.010 | 0.30 | 0.04593 |
| CO-1328 | MH-1331 | MH-1332 | 475.66 | 473.92 | 473.87 | 150.0 | 24 | 1.55 | 500.000 | 0.010 | 0.30 | 0.06141 |
| CO-1329 | MH-1332 | MH-1333 | 475.55 | 473.87 | 473.81 | 150.0 | 30 | 1.34 | 500.000 | 0.010 | 0.32 | 0.07689 |
| CO-1330 | MH-1333 | MH-1334 | 475.12 | 473.81 | 473.60 | 150.0 | 29 | 1.08 | 137.941 | 0.010 | 0.53 | 0.09237 |
| CO-1331 | MH-1334 | MH-1335 | 474.75 | 473.39 | 473.10 | 150.0 | 29 | 1.11 | 100.000 | 0.010 | 0.63 | 0.10785 |
| CO-1332 | MH-1335 | MH-1336 | 474.25 | 472.98 | 472.70 | 150.0 | 27 | 1.06 | 100.000 | 0.010 | 0.65 | 0.12332 |
| CO-1333 | MH-1336 | MH-1337 | 473.85 | 472.69 | 472.35 | 150.0 | 34 | 1.01 | 100.000 | 0.010 | 0.68 | 0.13880 |
| CO-1320 | MH-1323 | MH-1324 | 475.93 | 474.78 | 474.66 | 150.0 | 17 | 1.03 | 151.896 | 0.010 | 0.30 | 0.01548 |
| CO-1321 | MH-1324 | MH-1325 | 475.87 | 474.51 | 474.21 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1322 | MH-1325 | MH-1326 | 475.36 | 474.21 | 473.98 | 150.0 | 31 | 1.00 | 131.876 | 0.010 | 0.44 | 0.04643 |
| CO-1323 | MH-1326 | MH-1327 | 475.13 | 473.80 | 473.50 | 150.0 | 29 | 1.09 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-1324 | MH-1327 | MH-1328 | 474.65 | 473.31 | 473.02 | 150.0 | 30 | 1.10 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-1325 | MH-1328 | MH-1322 | 474.17 | 472.90 | 472.62 | 150.0 | 28 | 1.06 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-1310 | MH-1313 | MH-1314 | 476.10 | 474.83 | 474.44 | 150.0 | 39 | 1.06 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1311 | MH-1314 | MH-1315 | 475.59 | 474.37 | 474.03 | 150.0 | 34 | 1.04 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1312 | MH-1315 | MH-1309 | 475.18 | 474.03 | 473.90 | 150.0 | 30 | 1.00 | 239.763 | 0.010 | 0.36 | 0.04643 |
| CO-1299 | MH-1302 | MH-1303 | 476.20 | 475.05 | 474.90 | 150.0 | 23 | 1.24 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1300 | MH-1303 | MH-1304 | 476.53 | 474.90 | 474.82 | 150.0 | 25 | 1.62 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1301 | MH-1304 | MH-1305 | 476.72 | 474.82 | 474.74 | 150.0 | 29 | 1.73 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1302 | MH-1305 | MH-1306 | 476.59 | 474.74 | 474.69 | 150.0 | 27 | 1.52 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1303 | MH-1306 | MH-1307 | 476.19 | 474.69 | 474.47 | 150.0 | 30 | 1.17 | 134.123 | 0.010 | 0.51 | 0.07739 |
| CO-1304 | MH-1307 | MH-1298 | 475.62 | 474.47 | 474.41 | 150.0 | 28 | 1.04 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1290 | MH-1293 | MH-1294 | 476.84 | 475.69 | 475.44 | 150.0 | 39 | 1.15 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1291 | MH-1294 | MH-1295 | 476.89 | 475.44 | 475.32 | 150.0 | 35 | 1.33 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1292 | MH-1295 | MH-1296 | 476.84 | 475.32 | 475.26 | 150.0 | 22 | 1.33 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1293 | MH-1296 | MH-1297 | 476.71 | 475.26 | 475.05 | 150.0 | 34 | 1.15 | 162.516 | 0.010 | 0.45 | 0.06191 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1294 | MH-1297 | MH-1292 | 476.20 | 474.90 | 474.71 | 150.0 | 19 | 1.07 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-1282 | MH-1285 | MH-1286 | 477.00 | 475.85 | 475.67 | 150.0 | 28 | 1.28 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1283 | MH-1286 | MH-1287 | 477.38 | 475.67 | 475.57 | 150.0 | 28 | 1.59 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1284 | MH-1287 | MH-1288 | 477.35 | 475.57 | 475.52 | 150.0 | 20 | 1.57 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1285 | MH-1288 | MH-1289 | 477.18 | 475.52 | 475.51 | 150.0 | 6 | 1.53 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1286 | MH-1289 | MH-1290 | 477.20 | 475.51 | 475.37 | 150.0 | 26 | 1.27 | 178.504 | 0.010 | 0.46 | 0.07739 |
| CO-1287 | MH-1290 | MH-1291 | 476.52 | 475.37 | 475.32 | 150.0 | 25 | 1.03 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-1288 | MH-1291 | MH-1284 | 476.53 | 474.92 | 474.73 | 150.0 | 19 | 1.23 | 100.000 | 0.010 | 0.63 | 0.10835 |
| CO-1275 | MH-1279 | MH-1280 | 477.57 | 476.42 | 476.22 | 150.0 | 31 | 1.29 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1276 | MH-1280 | MH-1281 | 477.95 | 476.22 | 476.12 | 150.0 | 30 | 1.57 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1277 | MH-1281 | MH-1282 | 477.83 | 476.12 | 476.07 | 150.0 | 20 | 1.37 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-1278 | MH-1282 | MH-1278 | 477.40 | 476.07 | 476.05 | 150.0 | 8 | 1.19 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1271 | MH-1274 | MH-1275 | 477.86 | 476.71 | 476.53 | 150.0 | 28 | 1.15 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1272 | MH-1275 | MH-1276 | 477.98 | 476.53 | 476.44 | 150.0 | 25 | 1.29 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-1273 | MH-1276 | MH-1277 | 477.88 | 476.44 | 476.29 | 150.0 | 23 | 1.14 | 148.759 | 0.010 | 0.42 | 0.04643 |
| CO-1274 | MH-1277 | MH-1278 | 477.44 | 476.29 | 476.26 | 150.0 | 10 | 1.00 | 362.027 | 0.010 | 0.34 | 0.06191 |
| CO-1279 | MH-1278 | MH-1283 | 477.41 | 475.92 | 475.56 | 150.0 | 35 | 1.17 | 100.000 | 0.010 | 0.68 | 0.13930 |
| CO-1280 | MH-1283 | MH-1273 | 476.71 | 475.19 | 474.84 | 150.0 | 35 | 1.18 | 100.000 | 0.010 | 0.70 | 0.15478 |
| CO-1265 | MH-1268 | MH-1269 | 478.11 | 476.96 | 476.70 | 150.0 | 28 | 1.00 | 110.631 | 0.010 | 0.33 | 0.01548 |
| CO-1266 | MH-1269 | MH-1266 | 477.85 | 476.56 | 476.29 | 150.0 | 27 | 1.07 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1260 | MH-1263 | MH-1264 | 478.48 | 477.14 | 476.89 | 150.0 | 25 | 1.09 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1261 | MH-1264 | MH-1262 | 478.04 | 476.75 | 476.44 | 150.0 | 31 | 1.07 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1257 | MH-1260 | MH-1261 | 478.82 | 477.55 | 477.20 | 150.0 | 34 | 1.06 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1258 | MH-1261 | MH-1259 | 478.35 | 477.08 | 476.80 | 150.0 | 28 | 1.06 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1254 | MH-1256 | MH-1257 | 478.78 | 477.63 | 477.43 | 150.0 | 31 | 1.05 | 158.616 | 0.010 | 0.30 | 0.01548 |
| CO-1255 | MH-1257 | MH-1258 | 478.68 | 477.43 | 477.28 | 150.0 | 28 | 1.05 | 183.798 | 0.010 | 0.35 | 0.03096 |
| CO-1256 | MH-1258 | MH-1259 | 478.43 | 477.11 | 476.80 | 150.0 | 31 | 1.08 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1259 | MH-1259 | MH-1262 | 477.95 | 476.75 | 476.44 | 150.0 | 31 | 1.03 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-1262 | MH-1262 | MH-1265 | 477.59 | 476.44 | 476.40 | 150.0 | 21 | 1.04 | 500.000 | 0.010 | 0.38 | 0.13930 |
| CO-1263 | MH-1265 | MH-1266 | 477.63 | 476.40 | 476.29 | 150.0 | 24 | 1.04 | 220.499 | 0.010 | 0.52 | 0.15478 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1267 | MH-1266 | MH-1270 | 477.44 | 476.04 | 475.73 | 150.0 | 31 | 1.13 | 100.000 | 0.010 | 0.75 | 0.20121 |
| CO-1268 | MH-1270 | MH-1271 | 476.88 | 475.55 | 475.22 | 150.0 | 33 | 1.09 | 100.000 | 0.010 | 0.77 | 0.21669 |
| CO-1269 | MH-1271 | MH-1272 | 476.37 | 475.17 | 475.03 | 150.0 | 14 | 1.03 | 100.000 | 0.010 | 0.78 | 0.23217 |
| CO-1270 | MH-1272 | MH-1273 | 476.18 | 474.98 | 474.84 | 150.0 | 14 | 1.02 | 100.000 | 0.010 | 0.80 | 0.24765 |
| CO-1281 | MH-1273 | MH-1284 | 475.99 | 474.84 | 474.73 | 150.0 | 30 | 1.00 | 278.145 | 0.010 | 0.64 | 0.41791 |
| CO-1289 | MH-1284 | MH-1292 | 475.88 | 474.73 | 474.67 | 150.0 | 30 | 1.02 | 500.000 | 0.010 | 0.54 | 0.54173 |
| CO-1295 | MH-1292 | MH-1298 | 475.86 | 474.67 | 474.49 | 150.0 | 33 | 1.02 | 185.198 | 0.010 | 0.83 | 0.63460 |
| CO-1305 | MH-1298 | MH-1308 | 475.64 | 474.07 | 473.78 | 150.0 | 29 | 1.21 | 100.000 | 0.010 | 1.08 | 0.74294 |
| CO-5709 | MH-5680 | MH-5681 | 475.89 | 474.74 | 474.54 | 150.0 | 30 | 1.28 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5710 | MH-5681 | MH-5682 | 476.25 | 474.54 | 474.44 | 150.0 | 29 | 1.64 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5711 | MH-5682 | MH-5683 | 476.31 | 474.44 | 474.37 | 150.0 | 24 | 1.65 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5712 | MH-5683 | MH-5684 | 476.11 | 474.37 | 474.26 | 150.0 | 20 | 1.33 | 175.619 | 0.010 | 0.43 | 0.06091 |
| CO-5713 | MH-5684 | MH-5685 | 475.49 | 474.26 | 474.05 | 150.0 | 21 | 1.04 | 100.000 | 0.010 | 0.57 | 0.07614 |
| CO-5714 | MH-5685 | MH-1308 | 475.20 | 473.98 | 473.78 | 150.0 | 20 | 1.03 | 100.000 | 0.010 | 0.60 | 0.09137 |
| CO-1306 | MH-1308 | MH-1309 | 474.93 | 473.76 | 473.64 | 170.0 | 38 | 1.12 | 312.643 | 0.010 | 0.73 | 0.84979 |
| CO-5707 | MH-1309 | MH-5679 | 475.05 | 473.64 | 473.34 | 170.0 | 30 | 1.12 | 100.000 | 0.010 | 1.14 | 0.91170 |
| CO-5708 | MH-5679 | MH-1316 | 474.51 | 473.13 | 472.84 | 170.0 | 29 | 1.10 | 100.000 | 0.010 | 1.14 | 0.92693 |
| CO-1319 | MH-1316 | MH-1322 | 474.01 | 472.78 | 472.60 | 170.0 | 19 | 1.03 | 100.000 | 0.010 | 1.15 | 0.94241 |
| CO-5772 | MH-1322 | MH-1337 | 473.77 | 472.55 | 472.33 | 170.0 | 22 | 1.02 | 100.000 | 0.010 | 1.18 | 1.05075 |
| CO-1334 | MH-1337 | MH-1338 | 473.50 | 471.59 | 471.30 | 170.0 | 29 | 1.37 | 100.000 | 0.010 | 1.22 | 1.20503 |
| CO-1335 | MH-1338 | MH-1329 | 472.47 | 471.18 | 470.88 | 170.0 | 29 | 1.06 | 100.000 | 0.010 | 1.22 | 1.22051 |
| CO-1336 | MH-1329 | MH-1339 | 472.05 | 470.85 | 470.79 | 200.0 | 34 | 1.03 | 500.000 | 0.010 | 0.67 | 1.23599 |
| CO-5755 | MH-1339 | MH-5726 | 472.04 | 468.30 | 468.24 | 450.0 | 34 | 3.40 | 500.000 | 0.011 | 1.05 | 10.34009 |
| CO-5756 | MH-5726 | MH-5704 | 472.20 | 468.24 | 468.17 | 450.0 | 35 | 3.65 | 500.000 | 0.011 | 1.05 | 10.35278 |
| CO-5885 | MH-5780 | MH-5822 | 473.10 | 471.95 | 471.81 | 150.0 | 20 | 1.01 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5887 | MH-5822 | MH-5823 | 472.98 | 471.81 | 471.64 | 150.0 | 32 | 1.01 | 189.850 | 0.010 | 0.34 | 0.03046 |
| CO-5888 | MH-5823 | MH-5702 | 472.79 | 471.64 | 471.46 | 150.0 | 32 | 1.00 | 171.871 | 0.010 | 0.40 | 0.04568 |
| CO-5824 | MH-5786 | MH-5702 | 472.85 | 471.70 | 471.44 | 150.0 | 39 | 1.01 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5821 | MH-5783 | MH-5701 | 473.05 | 471.90 | 471.65 | 150.0 | 33 | 1.00 | 129.453 | 0.010 | 0.32 | 0.01523 |
| CO-5817 | MH-5779 | MH-5697 | 474.10 | 472.95 | 472.66 | 150.0 | 39 | 1.00 | 136.951 | 0.010 | 0.31 | 0.01523 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5816 | MH-5778 | MH-5696 | 474.05 | 472.90 | 472.62 | 150.0 | 42 | 1.05 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5815 | MH-5777 | MH-5695 | 474.35 | 473.20 | 472.88 | 150.0 | 46 | 1.00 | 144.668 | 0.010 | 0.30 | 0.01523 |
| CO-5849 | MH-5775 | MH-5803 | 474.80 | 473.65 | 473.48 | 150.0 | 25 | 1.02 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5850 | MH-5803 | MH-5693 | 474.67 | 473.48 | 473.38 | 150.0 | 25 | 1.02 | 247.323 | 0.010 | 0.31 | 0.03046 |
| CO-5656 | MH-5638 | MH-5639 | 481.66 | 480.51 | 480.42 | 150.0 | 13 | 1.17 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5657 | MH-5639 | MH-5640 | 481.90 | 480.42 | 480.34 | 150.0 | 23 | 1.56 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5658 | MH-5640 | MH-5601 | 482.28 | 480.34 | 480.27 | 150.0 | 28 | 1.91 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5659 | MH-5641 | MH-5642 | 483.29 | 482.14 | 481.92 | 150.0 | 33 | 1.04 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5660 | MH-5642 | MH-5643 | 483.14 | 481.92 | 481.58 | 150.0 | 35 | 1.11 | 103.217 | 0.010 | 0.42 | 0.03046 |
| CO-5661 | MH-5643 | MH-5600 | 482.88 | 481.58 | 481.37 | 150.0 | 21 | 1.08 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5651 | MH-5632 | MH-5633 | 481.35 | 480.20 | 480.07 | 150.0 | 20 | 1.18 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5652 | MH-5633 | MH-5634 | 481.57 | 480.07 | 479.99 | 150.0 | 22 | 1.43 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5653 | MH-5634 | MH-5635 | 481.64 | 479.99 | 479.96 | 150.0 | 12 | 1.57 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5654 | MH-5635 | MH-5629 | 481.73 | 479.96 | 479.77 | 150.0 | 34 | 1.95 | 183.228 | 0.010 | 0.43 | 0.06091 |
| CO-5643 | MH-5623 | MH-5624 | 481.49 | 480.34 | 480.15 | 150.0 | 29 | 1.08 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5644 | MH-5624 | MH-5625 | 481.45 | 480.15 | 480.03 | 150.0 | 33 | 1.22 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5645 | MH-5625 | MH-5626 | 481.47 | 480.03 | 479.95 | 150.0 | 33 | 1.40 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5646 | MH-5626 | MH-5627 | 481.61 | 479.95 | 479.91 | 150.0 | 20 | 1.62 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5647 | MH-5627 | MH-5628 | 481.78 | 479.91 | 479.84 | 150.0 | 34 | 1.89 | 500.000 | 0.010 | 0.32 | 0.07614 |
| CO-5648 | MH-5628 | MH-5629 | 482.04 | 479.84 | 479.77 | 150.0 | 32 | 2.16 | 500.000 | 0.010 | 0.34 | 0.09137 |
| CO-5649 | MH-5629 | MH-5599 | 482.20 | 479.77 | 479.73 | 150.0 | 23 | 2.46 | 500.000 | 0.010 | 0.40 | 0.16751 |
| CO-5833 | MH-5773 | MH-5795 | 482.95 | 481.74 | 481.47 | 150.0 | 27 | 1.03 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5835 | MH-5795 | MH-5796 | 482.62 | 481.42 | 481.17 | 150.0 | 25 | 1.03 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-5836 | MH-5796 | MH-5589 | 482.32 | 481.10 | 480.81 | 150.0 | 29 | 1.03 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5837 | MH-5772 | MH-5797 | 482.88 | 481.73 | 481.48 | 150.0 | 30 | 1.00 | 116.606 | 0.010 | 0.33 | 0.01523 |
| CO-5839 | MH-5797 | MH-5798 | 482.63 | 481.48 | 481.27 | 150.0 | 24 | 1.00 | 116.606 | 0.010 | 0.41 | 0.03046 |
| CO-5840 | MH-5798 | MH-5588 | 482.42 | 481.27 | 481.04 | 150.0 | 25 | 1.01 | 108.107 | 0.010 | 0.47 | 0.04568 |
| CO-5841 | MH-5771 | MH-5799 | 483.00 | 481.85 | 481.64 | 150.0 | 26 | 1.00 | 123.924 | 0.010 | 0.32 | 0.01523 |
| CO-5843 | MH-5799 | MH-5800 | 482.79 | 481.64 | 481.44 | 150.0 | 25 | 1.00 | 123.924 | 0.010 | 0.40 | 0.03046 |
| CO-5844 | MH-5800 | MH-5587 | 482.59 | 481.44 | 481.24 | 150.0 | 25 | 1.00 | 123.924 | 0.010 | 0.45 | 0.04568 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5845 | MH-5769 | MH-5801 | 482.95 | 481.80 | 481.58 | 150.0 | 33 | 1.07 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5846 | MH-5801 | MH-5586 | 482.86 | 481.58 | 481.45 | 150.0 | 35 | 1.15 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5595 | MH-5576 | MH-5577 | 483.06 | 481.91 | 481.72 | 150.0 | 30 | 1.02 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5596 | MH-5577 | MH-5578 | 482.91 | 481.72 | 481.60 | 150.0 | 33 | 1.04 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5597 | MH-5578 | MH-5579 | 482.79 | 481.60 | 481.52 | 150.0 | 31 | 1.08 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5598 | MH-5579 | MH-5580 | 482.80 | 481.52 | 481.47 | 150.0 | 25 | 1.19 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5599 | MH-5580 | MH-5581 | 482.87 | 481.47 | 481.42 | 150.0 | 24 | 1.36 | 500.000 | 0.010 | 0.32 | 0.07614 |
| CO-5600 | MH-5581 | MH-5582 | 483.04 | 481.42 | 481.36 | 150.0 | 28 | 1.44 | 500.000 | 0.010 | 0.34 | 0.09137 |
| CO-5601 | MH-5582 | MH-5583 | 482.93 | 481.36 | 481.30 | 150.0 | 30 | 1.59 | 500.000 | 0.010 | 0.35 | 0.10660 |
| CO-5602 | MH-5583 | MH-5584 | 483.21 | 481.30 | 481.25 | 150.0 | 27 | 1.74 | 500.000 | 0.010 | 0.37 | 0.12182 |
| CO-5603 | MH-5584 | MH-5585 | 483.13 | 481.25 | 481.19 | 150.0 | 28 | 1.75 | 500.000 | 0.010 | 0.38 | 0.13705 |
| CO-5604 | MH-5585 | MH-5586 | 483.11 | 481.19 | 481.14 | 150.0 | 27 | 1.62 | 500.000 | 0.010 | 0.39 | 0.15228 |
| CO-5605 | MH-5586 | MH-5587 | 482.76 | 481.14 | 481.08 | 150.0 | 31 | 1.32 | 500.000 | 0.010 | 0.42 | 0.19796 |
| CO-5606 | MH-5587 | MH-5588 | 482.39 | 481.08 | 481.04 | 150.0 | 19 | 1.09 | 500.000 | 0.010 | 0.45 | 0.25888 |
| CO-5607 | MH-5588 | MH-5589 | 482.21 | 481.04 | 480.81 | 150.0 | 29 | 1.01 | 127.521 | 0.010 | 0.79 | 0.31979 |
| CO-5608 | MH-5589 | MH-5590 | 481.96 | 480.81 | 480.75 | 150.0 | 32 | 1.04 | 500.000 | 0.010 | 0.50 | 0.38070 |
| CO-5609 | MH-5590 | MH-5591 | 481.99 | 480.75 | 480.69 | 150.0 | 29 | 1.11 | 500.000 | 0.010 | 0.51 | 0.39593 |
| CO-5610 | MH-5591 | MH-5592 | 481.98 | 480.69 | 480.63 | 150.0 | 30 | 1.10 | 500.000 | 0.010 | 0.51 | 0.41116 |
| CO-5611 | MH-5592 | MH-5593 | 481.86 | 480.63 | 480.58 | 150.0 | 26 | 1.15 | 500.000 | 0.010 | 0.51 | 0.42638 |
| CO-5612 | MH-5593 | MH-5594 | 481.97 | 480.58 | 480.52 | 150.0 | 30 | 1.42 | 500.000 | 0.010 | 0.52 | 0.44161 |
| CO-5613 | MH-5594 | MH-5595 | 482.27 | 480.52 | 480.47 | 150.0 | 24 | 1.67 | 500.000 | 0.010 | 0.52 | 0.45684 |
| CO-5614 | MH-5595 | MH-5596 | 482.37 | 480.47 | 480.46 | 150.0 | 8 | 1.68 | 500.000 | 0.010 | 0.53 | 0.47207 |
| CO-5615 | MH-5596 | MH-5597 | 482.21 | 480.46 | 480.41 | 150.0 | 26 | 1.72 | 500.000 | 0.010 | 0.53 | 0.48730 |
| CO-5616 | MH-5597 | MH-5598 | 482.38 | 480.41 | 480.37 | 150.0 | 18 | 1.99 | 500.000 | 0.010 | 0.53 | 0.50252 |
| CO-5617 | MH-5598 | MH-5599 | 482.66 | 480.37 | 480.33 | 150.0 | 21 | 2.09 | 500.000 | 0.010 | 0.54 | 0.51775 |
| CO-5618 | MH-5599 | MH-5600 | 482.51 | 479.73 | 479.71 | 150.0 | 11 | 2.65 | 500.000 | 0.010 | 0.57 | 0.70049 |
| CO-5619 | MH-5600 | MH-5601 | 482.52 | 479.69 | 479.65 | 170.0 | 18 | 2.64 | 500.000 | 0.010 | 0.59 | 0.76140 |
| CO-5620 | MH-5601 | MH-5602 | 482.44 | 479.65 | 479.60 | 170.0 | 25 | 2.50 | 500.000 | 0.010 | 0.60 | 0.82231 |
| CO-5621 | MH-5602 | MH-5548 | 482.15 | 479.60 | 479.56 | 170.0 | 19 | 2.29 | 500.000 | 0.010 | 0.60 | 0.83754 |
| CO-5783 | MH-1169 | MH-5747 | 482.21 | 481.06 | 481.31 | 150.0 | 25 | 1.05 | 100.000 | 0.010 | 0.34 | 0.01523 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1161 | MH-1169 | MH-1167 | 482.21 | 480.85 | 480.51 | 150.0 | 34 | 1.11 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-5785 | MH-1166 | MH-5748 | 482.14 | 480.99 | 481.28 | 150.0 | 29 | 1.21 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-1158 | MH-1166 | MH-1164 | 482.14 | 480.84 | 480.53 | 150.0 | 31 | 1.07 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-5779 | MH-5745 | MH-5507 | 482.90 | 481.50 | 481.69 | 150.0 | 19 | 1.03 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5514 | MH-5507 | MH-1163 | 482.65 | 481.19 | 481.42 | 150.0 | 23 | 1.04 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-1155 | MH-1163 | MH-1161 | 482.34 | 481.07 | 480.87 | 150.0 | 20 | 1.06 | 100.000 | 0.010 | 0.48 | 0.04593 |
| CO-5777 | MH-5744 | MH-1160 | 482.89 | 481.57 | 481.74 | 150.0 | 24 | 1.00 | 145.307 | 0.010 | 0.30 | 0.01523 |
| CO-1152 | MH-1160 | MH-1158 | 482.72 | 481.40 | 481.04 | 150.0 | 36 | 1.09 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-1099 | MH-1107 | MH-1108 | 486.35 | 484.87 | 484.58 | 150.0 | 30 | 1.16 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1100 | MH-1108 | MH-1109 | 485.73 | 483.98 | 483.67 | 150.0 | 31 | 1.30 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1101 | MH-1109 | MH-1110 | 484.82 | 483.35 | 483.05 | 150.0 | 30 | 1.16 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1102 | MH-1110 | MH-1111 | 484.20 | 483.05 | 482.99 | 150.0 | 31 | 1.07 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-1103 | MH-1111 | MH-1112 | 484.28 | 482.99 | 482.93 | 150.0 | 27 | 1.19 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-1104 | MH-1112 | MH-1113 | 484.33 | 482.93 | 482.67 | 150.0 | 28 | 1.12 | 103.545 | 0.010 | 0.59 | 0.09287 |
| CO-1105 | MH-1113 | MH-1106 | 483.82 | 482.53 | 482.17 | 150.0 | 36 | 1.07 | 100.000 | 0.010 | 0.63 | 0.10835 |
| CO-1097 | MH-1104 | MH-1105 | 483.10 | 481.95 | 481.78 | 150.0 | 26 | 1.19 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-5523 | MH-1105 | MH-5511 | 483.31 | 481.78 | 481.73 | 150.0 | 15 | 1.40 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-5524 | MH-5511 | MH-1106 | 483.31 | 481.73 | 481.69 | 150.0 | 15 | 1.45 | 394.851 | 0.010 | 0.30 | 0.04618 |
| CO-5522 | MH-1106 | MH-5510 | 483.32 | 481.57 | 481.69 | 150.0 | 34 | 1.24 | 294.782 | 0.010 | 0.49 | 0.17001 |
| CO-5521 | MH-5510 | MH-1157 | 482.72 | 480.99 | 481.31 | 150.0 | 32 | 1.13 | 100.000 | 0.010 | 0.73 | 0.18524 |
| CO-5529 | MH-5515 | MH-5514 | 483.31 | 481.65 | 481.82 | 150.0 | 17 | 1.17 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5528 | MH-5514 | MH-5513 | 482.80 | 481.34 | 481.50 | 150.0 | 16 | 1.08 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-5527 | MH-5513 | MH-5512 | 482.49 | 480.85 | 481.10 | 150.0 | 24 | 1.12 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5526 | MH-5512 | MH-1153 | 482.00 | 480.81 | 480.85 | 150.0 | 20 | 1.09 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5781 | MH-5746 | MH-1156 | 483.15 | 481.54 | 481.79 | 150.0 | 25 | 1.11 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-1148 | MH-1156 | MH-1153 | 482.69 | 481.34 | 481.00 | 150.0 | 34 | 1.10 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-1149 | MH-1153 | MH-1157 | 482.15 | 480.81 | 480.77 | 150.0 | 20 | 1.20 | 500.000 | 0.010 | 0.35 | 0.10710 |
| CO-1150 | MH-1157 | MH-1158 | 482.14 | 480.77 | 480.73 | 150.0 | 20 | 1.26 | 500.000 | 0.010 | 0.47 | 0.30781 |
| CO-1153 | MH-1158 | MH-1161 | 482.19 | 480.73 | 480.70 | 150.0 | 19 | 1.24 | 500.000 | 0.010 | 0.49 | 0.35399 |
| CO-1156 | MH-1161 | MH-1164 | 482.02 | 480.70 | 480.53 | 150.0 | 20 | 1.09 | 121.285 | 0.010 | 0.86 | 0.41541 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1159 | MH-1164 | MH-1167 | 481.68 | 480.53 | 480.49 | 150.0 | 19 | 1.01 | 500.000 | 0.010 | 0.52 | 0.46159 |
| CO-1162 | MH-1167 | MH-1148 | 481.66 | 480.49 | 480.37 | 150.0 | 21 | 1.05 | 181.060 | 0.010 | 0.79 | 0.50777 |
| CO-5509 | MH-5505 | MH-5504 | 483.95 | 482.33 | 482.58 | 150.0 | 25 | 1.11 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5508 | MH-5504 | MH-1114 | 483.48 | 481.81 | 482.09 | 150.0 | 28 | 1.12 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-5519 | MH-5509 | MH-1114 | 482.94 | 481.79 | 481.64 | 150.0 | 22 | 1.08 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5515 | MH-1114 | MH-5508 | 482.96 | 481.64 | 481.63 | 150.0 | 9 | 1.19 | 500.000 | 0.010 | 0.30 | 0.06116 |
| CO-5516 | MH-5508 | MH-1115 | 482.99 | 481.63 | 481.59 | 150.0 | 19 | 1.26 | 500.000 | 0.010 | 0.32 | 0.07639 |
| CO-1126 | MH-1135 | MH-1136 | 485.09 | 483.65 | 483.41 | 150.0 | 23 | 1.15 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1127 | MH-1136 | MH-1137 | 484.56 | 483.27 | 483.07 | 150.0 | 20 | 1.07 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1128 | MH-1137 | MH-1134 | 484.22 | 482.96 | 482.81 | 150.0 | 15 | 1.05 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1117 | MH-1126 | MH-1127 | 486.29 | 485.14 | 485.00 | 150.0 | 22 | 1.24 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1118 | MH-1127 | MH-1125 | 486.63 | 485.00 | 484.91 | 150.0 | 26 | 1.45 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-5776 | MH-5743 | MH-1123 | 486.54 | 485.39 | 485.25 | 150.0 | 20 | 1.04 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-1115 | MH-1123 | MH-1124 | 486.48 | 485.25 | 485.04 | 150.0 | 24 | 1.04 | 113.466 | 0.010 | 0.41 | 0.03071 |
| CO-1116 | MH-1124 | MH-1125 | 486.19 | 485.04 | 484.91 | 150.0 | 21 | 1.21 | 157.903 | 0.010 | 0.41 | 0.04618 |
| CO-1119 | MH-1125 | MH-1128 | 486.47 | 484.91 | 484.80 | 150.0 | 23 | 1.21 | 229.098 | 0.010 | 0.44 | 0.09262 |
| CO-1120 | MH-1128 | MH-1129 | 485.95 | 484.64 | 484.34 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.63 | 0.10810 |
| CO-1122 | MH-1129 | MH-1131 | 485.49 | 484.14 | 483.88 | 150.0 | 26 | 1.10 | 100.000 | 0.010 | 0.65 | 0.12357 |
| CO-1123 | MH-1131 | MH-1132 | 485.03 | 483.72 | 483.51 | 150.0 | 20 | 1.08 | 100.000 | 0.010 | 0.68 | 0.13905 |
| CO-1125 | MH-1132 | MH-1134 | 484.66 | 483.27 | 482.81 | 150.0 | 46 | 1.12 | 100.000 | 0.010 | 0.70 | 0.15453 |
| CO-1129 | MH-1134 | MH-1138 | 483.96 | 482.72 | 482.43 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.77 | 0.21644 |
| CO-1130 | MH-1138 | MH-1115 | 483.58 | 482.25 | 481.89 | 150.0 | 36 | 1.09 | 100.000 | 0.010 | 0.78 | 0.23192 |
| CO-5510 | MH-1115 | MH-5506 | 483.04 | 481.59 | 481.52 | 150.0 | 20 | 1.15 | 292.166 | 0.010 | 0.59 | 0.32379 |
| CO-5511 | MH-5506 | MH-1139 | 482.67 | 481.52 | 481.50 | 150.0 | 9 | 1.02 | 500.000 | 0.010 | 0.49 | 0.33902 |
| CO-1135 | MH-1144 | MH-1145 | 484.88 | 483.49 | 483.20 | 150.0 | 29 | 1.12 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1136 | MH-1145 | MH-1143 | 484.35 | 482.70 | 482.32 | 150.0 | 39 | 1.25 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1137 | MH-1143 | MH-1146 | 483.47 | 482.01 | 481.74 | 150.0 | 27 | 1.15 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1138 | MH-1146 | MH-1139 | 482.89 | 481.74 | 481.50 | 150.0 | 31 | 1.02 | 128.092 | 0.010 | 0.48 | 0.06191 |
| CO-1139 | MH-1139 | MH-1101 | 482.69 | 481.50 | 481.40 | 150.0 | 29 | 1.02 | 294.050 | 0.010 | 0.62 | 0.41641 |
| CO-1091 | MH-1097 | MH-1098 | 484.60 | 483.44 | 483.18 | 150.0 | 26 | 1.01 | 100.000 | 0.010 | 0.35 | 0.01548 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1092 | MH-1098 | MH-1099 | 484.33 | 482.94 | 482.55 | 150.0 | 39 | 1.12 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1093 | MH-1099 | MH-1100 | 483.70 | 482.22 | 481.92 | 150.0 | 30 | 1.16 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1094 | MH-1100 | MH-1101 | 483.07 | 481.68 | 481.40 | 150.0 | 28 | 1.12 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-1140 | MH-1101 | MH-1147 | 482.55 | 481.19 | 480.88 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.97 | 0.49380 |
| CO-1141 | MH-1147 | MH-1148 | 482.03 | 480.84 | 480.45 | 150.0 | 40 | 1.02 | 100.000 | 0.010 | 0.98 | 0.50927 |
| CO-5530 | MH-1148 | MH-5516 | 481.60 | 480.37 | 480.08 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 1.17 | 1.03253 |
| CO-5531 | MH-5516 | MH-5517 | 481.23 | 479.80 | 479.48 | 150.0 | 32 | 1.14 | 100.000 | 0.010 | 1.18 | 1.04775 |
| CO-5532 | MH-5517 | MH-1173 | 480.63 | 479.43 | 479.39 | 200.0 | 22 | 1.15 | 500.000 | 0.010 | 0.65 | 1.06298 |
| CO-5533 | MH-1174 | MH-5518 | 481.12 | 479.97 | 480.18 | 150.0 | 21 | 1.06 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-1167 | MH-1174 | MH-1173 | 481.12 | 479.97 | 479.74 | 150.0 | 24 | 1.00 | 103.493 | 0.010 | 0.42 | 0.03071 |
| CO-1172 | MH-1180 | MH-1181 | 481.42 | 480.19 | 479.97 | 150.0 | 23 | 1.04 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1173 | MH-1181 | MH-1179 | 481.12 | 479.97 | 479.78 | 150.0 | 27 | 1.03 | 143.734 | 0.010 | 0.38 | 0.03096 |
| CO-1169 | MH-1176 | MH-1177 | 481.84 | 480.51 | 480.27 | 150.0 | 24 | 1.09 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1170 | MH-1177 | MH-1178 | 481.42 | 480.06 | 479.83 | 150.0 | 24 | 1.10 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-1171 | MH-1178 | MH-1179 | 480.98 | 479.83 | 479.78 | 150.0 | 18 | 1.03 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-5534 | MH-1179 | MH-1173 | 481.00 | 479.74 | 479.78 | 150.0 | 20 | 1.03 | 455.493 | 0.010 | 0.35 | 0.09287 |
| CO-1168 | MH-1173 | MH-1175 | 480.89 | 478.29 | 478.08 | 200.0 | 43 | 2.47 | 200.000 | 0.010 | 0.94 | 1.20203 |
| CO-5561 | MH-1175 | MH-5543 | 480.82 | 478.08 | 478.02 | 200.0 | 29 | 2.61 | 500.000 | 0.010 | 0.66 | 1.21751 |
| CO-5562 | MH-5543 | MH-5542 | 480.90 | 478.02 | 477.96 | 200.0 | 30 | 2.75 | 500.000 | 0.010 | 0.67 | 1.23274 |
| CO-5563 | MH-5542 | MH-5544 | 480.97 | 477.96 | 477.91 | 200.0 | 22 | 2.92 | 500.000 | 0.010 | 0.67 | 1.24797 |
| CO-5564 | MH-5544 | MH-5545 | 481.14 | 477.91 | 477.86 | 200.0 | 25 | 3.07 | 500.000 | 0.010 | 0.67 | 1.26320 |
| CO-5565 | MH-5545 | MH-5546 | 481.19 | 477.86 | 477.81 | 200.0 | 29 | 3.35 | 500.000 | 0.010 | 0.67 | 1.27842 |
| CO-5566 | MH-5546 | MH-5547 | 481.58 | 477.81 | 477.75 | 200.0 | 27 | 3.76 | 500.000 | 0.010 | 0.67 | 1.29365 |
| CO-5567 | MH-5547 | MH-5548 | 481.90 | 477.75 | 477.71 | 200.0 | 20 | 3.98 | 500.000 | 0.010 | 0.67 | 1.30888 |
| CO-5622 | MH-5548 | MH-5603 | 481.93 | 477.66 | 477.60 | 250.0 | 29 | 3.88 | 500.000 | 0.010 | 0.77 | 2.16165 |
| CO-5623 | MH-5603 | MH-5604 | 481.59 | 477.60 | 477.56 | 250.0 | 24 | 3.62 | 500.000 | 0.010 | 0.77 | 2.17688 |
| CO-5624 | MH-5604 | MH-5605 | 481.31 | 477.56 | 477.49 | 250.0 | 34 | 3.32 | 500.000 | 0.010 | 0.77 | 2.19210 |
| CO-5625 | MH-5605 | MH-5606 | 480.88 | 477.49 | 477.44 | 250.0 | 25 | 2.87 | 500.000 | 0.010 | 0.77 | 2.20733 |
| CO-5626 | MH-5606 | MH-5607 | 480.30 | 477.44 | 477.41 | 250.0 | 14 | 2.55 | 500.000 | 0.010 | 0.77 | 2.22256 |
| CO-5627 | MH-5607 | MH-5608 | 480.15 | 476.58 | 476.43 | 250.0 | 29 | 3.17 | 200.000 | 0.010 | 1.10 | 2.23779 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5628 | MH-5608 | MH-5609 | 479.70 | 476.43 | 476.38 | 250.0 | 28 | 2.92 | 500.000 | 0.010 | 0.77 | 2.25302 |
| CO-5629 | MH-5609 | MH-5610 | 479.46 | 476.38 | 476.31 | 250.0 | 32 | 2.60 | 500.000 | 0.010 | 0.77 | 2.26824 |
| CO-5630 | MH-5610 | MH-5611 | 478.94 | 476.31 | 476.26 | 250.0 | 29 | 2.14 | 500.000 | 0.010 | 0.78 | 2.28347 |
| CO-5631 | MH-5611 | MH-5612 | 478.42 | 476.26 | 476.18 | 250.0 | 36 | 2.17 | 500.000 | 0.010 | 0.78 | 2.29870 |
| CO-5632 | MH-5612 | MH-5613 | 478.86 | 476.18 | 476.13 | 250.0 | 30 | 2.20 | 500.000 | 0.010 | 0.78 | 2.31393 |
| CO-5633 | MH-5613 | MH-5614 | 478.34 | 476.13 | 476.09 | 250.0 | 20 | 1.79 | 500.000 | 0.010 | 0.78 | 2.32916 |
| CO-5634 | MH-5614 | MH-5615 | 477.94 | 476.09 | 476.03 | 250.0 | 30 | 1.50 | 500.000 | 0.010 | 0.78 | 2.34438 |
| CO-5635 | MH-5615 | MH-5616 | 477.66 | 476.03 | 475.97 | 250.0 | 29 | 1.29 | 500.000 | 0.010 | 0.78 | 2.35961 |
| CO-5636 | MH-5616 | MH-5617 | 477.42 | 475.97 | 475.90 | 300.0 | 33 | 1.05 | 500.000 | 0.010 | 0.79 | 2.37484 |
| CO-5637 | MH-5617 | MH-5618 | 477.16 | 475.90 | 475.82 | 300.0 | 30 | 0.95 | 372.193 | 0.010 | 0.88 | 2.39007 |
| CO-5638 | MH-5618 | MH-5619 | 477.07 | 475.82 | 475.61 | 300.0 | 27 | 0.95 | 127.268 | 0.010 | 1.31 | 2.40530 |
| CO-5639 | MH-5619 | MH-5620 | 476.86 | 475.61 | 475.45 | 300.0 | 20 | 0.95 | 126.995 | 0.010 | 1.31 | 2.42052 |
| CO-5692 | MH-5620 | MH-881 | 476.70 | 475.45 | 475.33 | 300.0 | 16 | 0.95 | 128.952 | 0.010 | 1.31 | 2.43575 |
| CO-5921 | MH-5791 | MH-5840 | 478.40 | 477.25 | 476.97 | 150.0 | 30 | 1.00 | 106.314 | 0.010 | 0.34 | 0.01523 |
| CO-5922 | MH-5840 | MH-5839 | 478.12 | 476.97 | 476.68 | 150.0 | 30 | 1.00 | 106.314 | 0.010 | 0.42 | 0.03046 |
| CO-5920 | MH-5839 | MH-5838 | 477.83 | 476.60 | 476.31 | 150.0 | 28 | 1.04 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5918 | MH-5838 | MH-878 | 477.46 | 476.30 | 476.00 | 150.0 | 30 | 1.01 | 100.000 | 0.010 | 0.53 | 0.06091 |
| CO-5915 | MH-5790 | MH-5837 | 478.30 | 477.15 | 476.90 | 150.0 | 30 | 1.00 | 119.900 | 0.010 | 0.32 | 0.01523 |
| CO-5916 | MH-5837 | MH-5836 | 478.05 | 476.90 | 476.65 | 150.0 | 30 | 1.00 | 119.900 | 0.010 | 0.40 | 0.03046 |
| CO-5914 | MH-5836 | MH-5835 | 477.80 | 476.65 | 476.45 | 150.0 | 24 | 1.00 | 119.900 | 0.010 | 0.45 | 0.04568 |
| CO-5912 | MH-5835 | MH-877 | 477.60 | 476.45 | 476.14 | 150.0 | 32 | 1.00 | 103.007 | 0.010 | 0.52 | 0.06091 |
| CO-5923 | MH-5794 | MH-5842 | 479.10 | 477.95 | 477.76 | 150.0 | 28 | 1.06 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5925 | MH-5842 | MH-5843 | 479.03 | 477.76 | 477.65 | 150.0 | 29 | 1.15 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5927 | MH-5843 | MH-5844 | 478.98 | 477.65 | 477.57 | 150.0 | 34 | 1.20 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5928 | MH-5844 | MH-871 | 478.93 | 477.57 | 477.46 | 150.0 | 29 | 1.24 | 273.467 | 0.010 | 0.37 | 0.06091 |
| CO-5935 | MH-5792 | MH-5848 | 479.20 | 478.05 | 477.93 | 150.0 | 18 | 1.04 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5937 | MH-5848 | MH-5849 | 479.16 | 477.93 | 477.82 | 150.0 | 30 | 1.09 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5939 | MH-5849 | MH-5850 | 479.08 | 477.82 | 477.74 | 150.0 | 30 | 1.11 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5941 | MH-5850 | MH-5851 | 479.00 | 477.74 | 477.69 | 150.0 | 26 | 1.11 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5942 | MH-5851 | MH-868 | 478.94 | 477.69 | 477.64 | 150.0 | 23 | 1.09 | 500.000 | 0.010 | 0.32 | 0.07614 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-863 | MH-869 | MH-868 | 478.96 | 477.81 | 477.64 | 150.0 | 26 | 1.04 | 154.589 | 0.010 | 0.30 | 0.01548 |
| CO-864 | MH-868 | MH-870 | 478.88 | 477.64 | 477.52 | 150.0 | 30 | 1.08 | 232.759 | 0.010 | 0.46 | 0.10710 |
| CO-5929 | MH-5793 | MH-5845 | 479.12 | 477.97 | 477.77 | 150.0 | 30 | 1.05 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5931 | MH-5845 | MH-5846 | 479.03 | 477.77 | 477.67 | 150.0 | 30 | 1.11 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5933 | MH-5846 | MH-5847 | 478.93 | 477.67 | 477.58 | 150.0 | 33 | 1.11 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5934 | MH-5847 | MH-870 | 478.83 | 477.58 | 477.52 | 150.0 | 33 | 1.08 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-865 | MH-870 | MH-871 | 478.73 | 477.52 | 477.46 | 150.0 | 28 | 1.17 | 500.000 | 0.010 | 0.41 | 0.18349 |
| CO-866 | MH-871 | MH-839 | 478.88 | 477.46 | 477.40 | 150.0 | 33 | 1.51 | 500.000 | 0.010 | 0.45 | 0.25988 |
| CO-853 | MH-859 | MH-860 | 480.45 | 479.17 | 478.85 | 150.0 | 32 | 1.06 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-854 | MH-860 | MH-861 | 480.00 | 478.85 | 478.74 | 150.0 | 31 | 1.02 | 280.411 | 0.010 | 0.30 | 0.03096 |
| CO-855 | MH-861 | MH-862 | 479.93 | 478.74 | 478.57 | 150.0 | 27 | 1.02 | 153.615 | 0.010 | 0.42 | 0.04643 |
| CO-856 | MH-862 | MH-863 | 479.72 | 478.57 | 478.51 | 150.0 | 29 | 1.03 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-857 | MH-863 | MH-858 | 479.72 | 478.51 | 478.45 | 150.0 | 30 | 1.11 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-847 | MH-853 | MH-854 | 480.76 | 479.61 | 479.34 | 150.0 | 31 | 1.00 | 117.570 | 0.010 | 0.33 | 0.01548 |
| CO-848 | MH-854 | MH-855 | 480.49 | 479.34 | 479.25 | 150.0 | 27 | 1.04 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-849 | MH-855 | MH-856 | 480.47 | 479.25 | 479.16 | 150.0 | 32 | 1.04 | 353.048 | 0.010 | 0.31 | 0.04643 |
| CO-850 | MH-856 | MH-857 | 480.31 | 479.16 | 479.08 | 150.0 | 30 | 1.00 | 401.328 | 0.010 | 0.32 | 0.06191 |
| CO-851 | MH-857 | MH-852 | 480.23 | 479.08 | 478.87 | 150.0 | 26 | 1.13 | 124.282 | 0.010 | 0.53 | 0.07739 |
| CO-661 | MH-667 | MH-668 | 486.69 | 485.34 | 485.06 | 150.0 | 29 | 1.10 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-662 | MH-668 | MH-669 | 486.21 | 485.02 | 484.72 | 150.0 | 30 | 1.02 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-663 | MH-669 | MH-670 | 485.87 | 484.49 | 484.18 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-5544 | MH-5532 | MH-5502 | 485.93 | 484.52 | 484.33 | 150.0 | 19 | 1.13 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5505 | MH-5501 | MH-5502 | 485.31 | 484.16 | 484.33 | 150.0 | 19 | 1.00 | 112.764 | 0.010 | 0.41 | 0.03046 |
| CO-5504 | MH-670 | MH-5501 | 485.33 | 484.11 | 484.16 | 150.0 | 23 | 1.04 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5545 | MH-671 | MH-670 | 485.12 | 483.97 | 484.11 | 150.0 | 20 | 1.04 | 150.502 | 0.010 | 0.54 | 0.10760 |
| CO-666 | MH-671 | MH-658 | 485.12 | 483.97 | 483.80 | 150.0 | 29 | 1.00 | 174.903 | 0.010 | 0.53 | 0.12307 |
| CO-668 | MH-673 | MH-674 | 485.69 | 484.44 | 484.23 | 150.0 | 21 | 1.05 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-669 | MH-674 | MH-675 | 485.38 | 484.11 | 483.81 | 150.0 | 30 | 1.06 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-670 | MH-675 | MH-672 | 484.96 | 483.81 | 483.70 | 150.0 | 30 | 1.00 | 277.277 | 0.010 | 0.34 | 0.04643 |
| CO-5546 | MH-5531 | MH-677 | 487.23 | 485.70 | 485.43 | 150.0 | 27 | 1.19 | 100.000 | 0.010 | 0.34 | 0.01523 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-672 | MH-677 | MH-678 | 486.58 | 485.19 | 484.88 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-673 | MH-678 | MH-679 | 486.03 | 484.74 | 484.49 | 150.0 | 26 | 1.07 | 100.000 | 0.010 | 0.49 | 0.04618 |
| CO-674 | MH-679 | MH-680 | 485.64 | 484.24 | 483.93 | 150.0 | 31 | 1.12 | 100.000 | 0.010 | 0.53 | 0.06166 |
| CO-675 | MH-680 | MH-681 | 485.08 | 483.93 | 483.88 | 150.0 | 27 | 1.14 | 500.000 | 0.010 | 0.32 | 0.07714 |
| CO-676 | MH-681 | MH-682 | 485.32 | 483.88 | 483.84 | 150.0 | 18 | 1.23 | 500.000 | 0.010 | 0.34 | 0.09262 |
| CO-677 | MH-682 | MH-683 | 485.16 | 483.84 | 483.79 | 150.0 | 27 | 1.09 | 500.000 | 0.010 | 0.35 | 0.10810 |
| CO-678 | MH-683 | MH-676 | 484.96 | 483.79 | 483.63 | 150.0 | 27 | 1.01 | 175.024 | 0.010 | 0.53 | 0.12357 |
| CO-681 | MH-686 | MH-687 | 486.56 | 485.03 | 484.79 | 150.0 | 24 | 1.19 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-682 | MH-687 | MH-688 | 485.94 | 484.34 | 484.04 | 150.0 | 30 | 1.22 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-684 | MH-688 | MH-690 | 485.19 | 483.87 | 483.52 | 150.0 | 35 | 1.08 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-685 | MH-690 | MH-691 | 484.67 | 483.52 | 483.21 | 150.0 | 33 | 1.00 | 107.215 | 0.010 | 0.52 | 0.06191 |
| CO-686 | MH-691 | MH-685 | 484.36 | 483.21 | 483.15 | 150.0 | 27 | 1.00 | 466.230 | 0.010 | 0.33 | 0.07739 |
| CO-680 | MH-684 | MH-685 | 484.51 | 483.10 | 483.15 | 150.0 | 25 | 1.13 | 500.000 | 0.010 | 0.34 | 0.09287 |
| CO-679 | MH-676 | MH-684 | 484.78 | 483.04 | 483.10 | 150.0 | 30 | 1.43 | 500.000 | 0.010 | 0.35 | 0.10835 |
| CO-671 | MH-672 | MH-676 | 484.85 | 482.98 | 483.04 | 150.0 | 28 | 1.66 | 500.000 | 0.010 | 0.45 | 0.24740 |
| CO-667 | MH-658 | MH-672 | 484.95 | 482.94 | 482.98 | 150.0 | 23 | 1.79 | 500.000 | 0.010 | 0.47 | 0.30931 |
| CO-653 | MH-657 | MH-658 | 485.24 | 482.88 | 482.94 | 150.0 | 27 | 2.04 | 500.000 | 0.010 | 0.52 | 0.44786 |
| CO-652 | MH-656 | MH-657 | 485.36 | 482.82 | 482.88 | 150.0 | 31 | 2.30 | 500.000 | 0.010 | 0.52 | 0.46334 |
| CO-651 | MH-654 | MH-656 | 485.58 | 482.76 | 482.82 | 150.0 | 30 | 2.53 | 500.000 | 0.010 | 0.53 | 0.47882 |
| CO-649 | MH-653 | MH-654 | 485.78 | 482.70 | 482.76 | 150.0 | 30 | 2.80 | 500.000 | 0.010 | 0.53 | 0.49430 |
| CO-648 | MH-652 | MH-653 | 486.10 | 482.65 | 482.70 | 150.0 | 24 | 3.11 | 500.000 | 0.010 | 0.54 | 0.50977 |
| CO-5787 | MH-652 | MH-711 | 486.10 | 482.65 | 482.57 | 150.0 | 40 | 3.57 | 500.000 | 0.010 | 0.54 | 0.52525 |
| CO-705 | MH-710 | MH-711 | 486.75 | 485.60 | 485.41 | 150.0 | 27 | 1.00 | 145.365 | 0.010 | 0.30 | 0.01548 |
| CO-706 | MH-711 | MH-712 | 486.56 | 482.57 | 482.55 | 150.0 | 10 | 3.76 | 500.000 | 0.010 | 0.55 | 0.55621 |
| CO-707 | MH-712 | MH-713 | 486.39 | 482.55 | 482.48 | 150.0 | 34 | 3.50 | 500.000 | 0.010 | 0.55 | 0.57169 |
| CO-709 | MH-713 | MH-715 | 485.95 | 482.48 | 482.41 | 150.0 | 34 | 3.15 | 500.000 | 0.010 | 0.55 | 0.58716 |
| CO-711 | MH-715 | MH-717 | 485.55 | 482.41 | 482.36 | 150.0 | 25 | 2.84 | 500.000 | 0.010 | 0.55 | 0.60264 |
| CO-713 | MH-717 | MH-719 | 485.21 | 482.36 | 482.31 | 150.0 | 28 | 2.53 | 500.000 | 0.010 | 0.56 | 0.61812 |
| CO-714 | MH-719 | MH-720 | 484.82 | 482.31 | 482.27 | 150.0 | 19 | 2.31 | 500.000 | 0.010 | 0.56 | 0.63360 |
| CO-715 | MH-720 | MH-721 | 484.67 | 482.27 | 482.21 | 150.0 | 30 | 2.28 | 500.000 | 0.010 | 0.56 | 0.64908 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-716 | MH-721 | MH-722 | 484.67 | 482.21 | 482.17 | 150.0 | 21 | 2.26 | 500.000 | 0.010 | 0.56 | 0.66455 |
| CO-717 | MH-722 | MH-709 | 484.53 | 482.17 | 482.13 | 150.0 | 20 | 2.25 | 500.000 | 0.010 | 0.57 | 0.68003 |
| CO-702 | MH-705 | MH-707 | 485.37 | 484.21 | 483.93 | 150.0 | 28 | 1.00 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-703 | MH-707 | MH-708 | 485.08 | 483.93 | 483.72 | 150.0 | 30 | 1.03 | 142.577 | 0.010 | 0.38 | 0.03096 |
| CO-704 | MH-708 | MH-709 | 484.92 | 483.72 | 483.42 | 150.0 | 30 | 1.03 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-718 | MH-709 | MH-723 | 484.57 | 482.13 | 482.07 | 150.0 | 28 | 2.18 | 500.000 | 0.010 | 0.57 | 0.74194 |
| CO-719 | MH-723 | MH-724 | 484.28 | 482.05 | 481.99 | 170.0 | 29 | 1.77 | 500.000 | 0.010 | 0.59 | 0.75742 |
| CO-720 | MH-724 | MH-725 | 483.64 | 481.99 | 481.73 | 170.0 | 31 | 1.28 | 115.635 | 0.010 | 1.03 | 0.77290 |
| CO-721 | MH-725 | MH-726 | 482.97 | 481.73 | 481.42 | 170.0 | 30 | 1.04 | 100.000 | 0.010 | 1.09 | 0.78838 |
| CO-722 | MH-726 | MH-727 | 482.59 | 481.12 | 480.82 | 170.0 | 30 | 1.15 | 100.000 | 0.010 | 1.10 | 0.80386 |
| CO-5689 | MH-727 | MH-5665 | 481.99 | 480.82 | 480.47 | 170.0 | 37 | 1.00 | 105.206 | 0.010 | 1.08 | 0.81933 |
| CO-5687 | MH-5665 | MH-5666 | 481.64 | 480.38 | 480.13 | 170.0 | 26 | 1.04 | 100.000 | 0.010 | 1.11 | 0.83456 |
| CO-5688 | MH-5666 | MH-847 | 481.30 | 480.13 | 479.93 | 170.0 | 31 | 1.00 | 157.202 | 0.010 | 0.94 | 0.84979 |
| CO-841 | MH-847 | MH-848 | 481.10 | 479.93 | 479.75 | 170.0 | 21 | 1.00 | 117.703 | 0.010 | 1.06 | 0.86527 |
| CO-842 | MH-848 | MH-849 | 480.92 | 479.75 | 479.67 | 170.0 | 11 | 1.00 | 136.604 | 0.010 | 1.00 | 0.88075 |
| CO-843 | MH-849 | MH-850 | 480.84 | 479.67 | 479.61 | 170.0 | 31 | 1.06 | 500.000 | 0.010 | 0.61 | 0.89622 |
| CO-844 | MH-850 | MH-851 | 480.89 | 479.61 | 479.55 | 170.0 | 30 | 1.11 | 500.000 | 0.010 | 0.61 | 0.91170 |
| CO-845 | MH-851 | MH-846 | 480.83 | 479.55 | 479.41 | 170.0 | 28 | 1.15 | 208.627 | 0.010 | 0.87 | 0.92718 |
| CO-835 | MH-840 | MH-841 | 482.29 | 481.08 | 480.77 | 150.0 | 30 | 1.03 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-836 | MH-841 | MH-842 | 481.92 | 480.77 | 480.58 | 150.0 | 30 | 1.00 | 153.751 | 0.010 | 0.37 | 0.03096 |
| CO-837 | MH-842 | MH-843 | 481.73 | 480.58 | 480.50 | 150.0 | 31 | 1.06 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-838 | MH-843 | MH-844 | 481.77 | 480.50 | 480.44 | 150.0 | 28 | 1.13 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-839 | MH-844 | MH-845 | 481.73 | 480.44 | 480.17 | 150.0 | 29 | 1.12 | 108.005 | 0.010 | 0.55 | 0.07739 |
| CO-5672 | MH-5652 | MH-805 | 483.06 | 481.91 | 481.74 | 150.0 | 26 | 1.08 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-799 | MH-805 | MH-806 | 483.05 | 481.74 | 481.57 | 150.0 | 21 | 1.12 | 126.945 | 0.010 | 0.39 | 0.03071 |
| CO-801 | MH-806 | MH-808 | 482.80 | 481.57 | 481.32 | 150.0 | 25 | 1.04 | 100.000 | 0.010 | 0.49 | 0.04618 |
| CO-802 | MH-808 | MH-804 | 482.47 | 481.32 | 481.18 | 150.0 | 28 | 1.10 | 204.127 | 0.010 | 0.41 | 0.06166 |
| CO-5673 | MH-804 | MH-792 | 482.53 | 481.18 | 480.80 | 150.0 | 38 | 1.10 | 100.000 | 0.010 | 0.56 | 0.07714 |
| CO-797 | MH-803 | MH-802 | 482.31 | 481.16 | 480.92 | 150.0 | 37 | 1.45 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-795 | MH-800 | MH-801 | 483.36 | 482.21 | 481.99 | 150.0 | 35 | 1.03 | 158.477 | 0.010 | 0.30 | 0.01548 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-796 | MH-801 | MH-802 | 483.21 | 481.99 | 481.83 | 150.0 | 33 | 1.03 | 211.745 | 0.010 | 0.33 | 0.03096 |
| CO-5675 | MH-802 | MH-5653 | 482.98 | 480.88 | 480.92 | 150.0 | 21 | 1.78 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-5674 | MH-5653 | MH-791 | 482.68 | 480.83 | 480.88 | 150.0 | 25 | 1.52 | 500.000 | 0.010 | 0.32 | 0.07714 |
| CO-787 | MH-791 | MH-790 | 482.37 | 480.83 | 480.79 | 150.0 | 22 | 1.20 | 500.000 | 0.010 | 0.34 | 0.09262 |
| CO-5680 | MH-5658 | MH-5657 | 483.05 | 481.37 | 481.62 | 150.0 | 25 | 1.14 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-5679 | MH-5657 | MH-5656 | 482.52 | 480.75 | 481.04 | 150.0 | 29 | 1.17 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-5678 | MH-5656 | MH-5655 | 481.90 | 480.69 | 480.75 | 150.0 | 26 | 1.05 | 391.222 | 0.010 | 0.30 | 0.04568 |
| CO-5677 | MH-5655 | MH-788 | 481.93 | 480.64 | 480.69 | 150.0 | 23 | 1.12 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5676 | MH-5654 | MH-789 | 482.51 | 481.11 | 481.27 | 150.0 | 17 | 1.04 | 100.000 | 0.010 | 0.34 | 0.01523 |
| CO-785 | MH-789 | MH-788 | 482.26 | 480.99 | 480.79 | 150.0 | 20 | 1.06 | 100.000 | 0.010 | 0.43 | 0.03071 |
| CO-786 | MH-788 | MH-790 | 481.94 | 480.64 | 480.60 | 150.0 | 17 | 1.17 | 500.000 | 0.010 | 0.35 | 0.10710 |
| CO-788 | MH-790 | MH-792 | 481.95 | 480.60 | 480.55 | 150.0 | 26 | 1.22 | 500.000 | 0.010 | 0.43 | 0.21519 |
| CO-5690 | MH-792 | MH-810 | 481.95 | 480.55 | 480.41 | 150.0 | 38 | 1.12 | 271.529 | 0.010 | 0.59 | 0.30781 |
| CO-5683 | MH-5662 | MH-5663 | 482.53 | 481.38 | 481.23 | 150.0 | 23 | 1.02 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5684 | MH-5663 | MH-797 | 482.42 | 481.23 | 481.15 | 150.0 | 22 | 1.03 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-793 | MH-797 | MH-798 | 482.31 | 481.15 | 480.82 | 150.0 | 39 | 1.01 | 118.101 | 0.010 | 0.46 | 0.04593 |
| CO-794 | MH-798 | MH-799 | 481.97 | 480.82 | 480.73 | 150.0 | 29 | 1.00 | 328.267 | 0.010 | 0.35 | 0.06141 |
| CO-804 | MH-799 | MH-809 | 481.88 | 480.73 | 480.69 | 150.0 | 20 | 1.03 | 500.000 | 0.010 | 0.32 | 0.07689 |
| CO-805 | MH-809 | MH-810 | 481.91 | 480.69 | 480.41 | 150.0 | 33 | 1.03 | 118.428 | 0.010 | 0.56 | 0.09237 |
| CO-5691 | MH-810 | MH-845 | 481.56 | 480.41 | 480.27 | 150.0 | 14 | 1.00 | 103.397 | 0.010 | 0.91 | 0.41566 |
| CO-5685 | MH-845 | MH-5664 | 481.42 | 480.17 | 479.96 | 150.0 | 21 | 1.05 | 100.000 | 0.010 | 0.98 | 0.50852 |
| CO-5686 | MH-5664 | MH-846 | 481.11 | 479.82 | 479.62 | 150.0 | 20 | 1.07 | 100.000 | 0.010 | 0.99 | 0.52375 |
| CO-846 | MH-846 | MH-852 | 480.77 | 479.41 | 479.10 | 170.0 | 31 | 1.09 | 100.000 | 0.010 | 1.28 | 1.46641 |
| CO-852 | MH-852 | MH-858 | 480.27 | 478.85 | 478.60 | 170.0 | 25 | 1.13 | 100.000 | 0.010 | 1.30 | 1.55928 |
| CO-858 | MH-858 | MH-839 | 479.77 | 478.43 | 478.13 | 170.0 | 31 | 1.08 | 102.415 | 0.010 | 1.30 | 1.65215 |
| CO-828 | MH-832 | MH-833 | 479.67 | 478.52 | 478.32 | 150.0 | 31 | 1.03 | 158.596 | 0.010 | 0.30 | 0.01548 |
| CO-832 | MH-833 | MH-837 | 479.52 | 478.32 | 478.22 | 150.0 | 28 | 1.03 | 278.825 | 0.010 | 0.30 | 0.03096 |
| CO-833 | MH-837 | MH-838 | 479.37 | 478.22 | 478.14 | 150.0 | 32 | 1.00 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-834 | MH-838 | MH-839 | 479.29 | 478.14 | 478.08 | 150.0 | 27 | 1.04 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-867 | MH-839 | MH-872 | 479.30 | 477.30 | 477.25 | 250.0 | 22 | 1.65 | 500.000 | 0.010 | 0.75 | 1.98941 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-868 | MH-872 | MH-873 | 479.05 | 477.25 | 477.20 | 250.0 | 24 | 1.52 | 500.000 | 0.010 | 0.76 | 2.00489 |
| CO-869 | MH-873 | MH-874 | 478.94 | 477.20 | 477.14 | 250.0 | 30 | 1.40 | 500.000 | 0.010 | 0.76 | 2.02037 |
| CO-870 | MH-874 | MH-875 | 478.72 | 477.14 | 477.00 | 250.0 | 30 | 1.23 | 219.014 | 0.010 | 1.04 | 2.03585 |
| CO-871 | MH-875 | MH-831 | 478.39 | 477.00 | 476.62 | 250.0 | 38 | 1.07 | 100.000 | 0.010 | 1.39 | 2.05132 |
| CO-823 | MH-827 | MH-828 | 479.84 | 478.69 | 478.48 | 150.0 | 28 | 1.01 | 126.306 | 0.010 | 0.32 | 0.01548 |
| CO-824 | MH-828 | MH-829 | 479.64 | 478.48 | 478.23 | 150.0 | 24 | 1.01 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-825 | MH-829 | MH-830 | 479.38 | 478.23 | 477.98 | 150.0 | 28 | 1.00 | 110.683 | 0.010 | 0.47 | 0.04643 |
| CO-826 | MH-830 | MH-825 | 479.13 | 477.56 | 477.26 | 150.0 | 31 | 1.21 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-817 | MH-821 | MH-822 | 480.32 | 478.98 | 478.66 | 150.0 | 32 | 1.09 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-818 | MH-822 | MH-823 | 479.81 | 478.61 | 478.32 | 150.0 | 30 | 1.02 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-819 | MH-823 | MH-824 | 479.47 | 478.32 | 478.14 | 150.0 | 27 | 1.00 | 149.450 | 0.010 | 0.42 | 0.04643 |
| CO-820 | MH-824 | MH-820 | 479.29 | 477.64 | 477.42 | 150.0 | 22 | 1.25 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-812 | MH-816 | MH-817 | 480.34 | 479.19 | 479.06 | 150.0 | 21 | 1.07 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-813 | MH-817 | MH-818 | 480.35 | 478.80 | 478.47 | 150.0 | 33 | 1.20 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-814 | MH-818 | MH-819 | 479.62 | 478.27 | 477.96 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-815 | MH-819 | MH-815 | 479.11 | 477.45 | 477.10 | 150.0 | 35 | 1.25 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-816 | MH-815 | MH-820 | 478.25 | 477.10 | 477.04 | 150.0 | 30 | 1.19 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-821 | MH-820 | MH-825 | 478.57 | 477.04 | 476.99 | 150.0 | 29 | 1.32 | 500.000 | 0.010 | 0.39 | 0.15478 |
| CO-827 | MH-825 | MH-831 | 478.41 | 476.99 | 476.72 | 150.0 | 31 | 1.14 | 117.587 | 0.010 | 0.74 | 0.23217 |
| CO-872 | MH-831 | MH-876 | 477.87 | 476.51 | 476.20 | 250.0 | 31 | 1.06 | 100.000 | 0.010 | 1.43 | 2.29897 |
| CO-5909 | MH-5789 | MH-5834 | 478.45 | 477.30 | 477.02 | 150.0 | 29 | 1.00 | 101.728 | 0.010 | 0.34 | 0.01523 |
| CO-5910 | MH-5834 | MH-5833 | 478.17 | 477.02 | 476.73 | 150.0 | 29 | 1.00 | 101.728 | 0.010 | 0.43 | 0.03046 |
| CO-5908 | MH-5833 | MH-5832 | 477.88 | 476.73 | 476.49 | 150.0 | 25 | 1.00 | 102.267 | 0.010 | 0.48 | 0.04568 |
| CO-5906 | MH-5832 | MH-876 | 477.64 | 476.49 | 476.30 | 150.0 | 34 | 1.00 | 178.638 | 0.010 | 0.43 | 0.06091 |
| CO-873 | MH-876 | MH-877 | 477.45 | 476.20 | 476.04 | 250.0 | 34 | 1.00 | 210.425 | 0.010 | 1.09 | 2.37536 |
| CO-874 | MH-877 | MH-878 | 477.29 | 476.04 | 475.90 | 250.0 | 32 | 1.00 | 236.248 | 0.010 | 1.06 | 2.45175 |
| CO-875 | MH-878 | MH-784 | 477.15 | 475.90 | 475.84 | 250.0 | 30 | 1.07 | 500.000 | 0.010 | 0.79 | 2.52814 |
| CO-770 | MH-773 | MH-774 | 479.99 | 478.67 | 478.36 | 150.0 | 31 | 1.08 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-771 | MH-774 | MH-775 | 479.51 | 478.14 | 477.89 | 150.0 | 25 | 1.11 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-772 | MH-775 | MH-776 | 479.04 | 477.76 | 477.52 | 150.0 | 23 | 1.06 | 100.000 | 0.010 | 0.49 | 0.04643 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-773 | MH-776 | MH-777 | 478.67 | 477.52 | 477.42 | 150.0 | 20 | 1.00 | 187.696 | 0.010 | 0.43 | 0.06191 |
| CO-777 | MH-777 | MH-781 | 478.57 | 477.42 | 477.36 | 150.0 | 28 | 1.05 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-5943 | MH-5788 | MH-5852 | 478.90 | 477.75 | 477.53 | 150.0 | 32 | 1.03 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5944 | MH-5852 | MH-781 | 478.75 | 477.53 | 477.36 | 150.0 | 31 | 1.08 | 176.948 | 0.010 | 0.35 | 0.03046 |
| CO-778 | MH-781 | MH-782 | 478.60 | 477.36 | 477.27 | 150.0 | 31 | 1.05 | 346.260 | 0.010 | 0.42 | 0.12332 |
| CO-779 | MH-782 | MH-772 | 478.42 | 476.94 | 476.63 | 150.0 | 32 | 1.16 | 100.000 | 0.010 | 0.68 | 0.13880 |
| CO-760 | MH-763 | MH-764 | 479.82 | 478.67 | 478.42 | 150.0 | 39 | 1.32 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-761 | MH-764 | MH-765 | 480.21 | 478.42 | 478.31 | 150.0 | 30 | 1.75 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-762 | MH-765 | MH-766 | 480.31 | 478.31 | 478.24 | 150.0 | 30 | 1.88 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-764 | MH-766 | MH-768 | 480.29 | 478.24 | 478.18 | 150.0 | 31 | 1.73 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-765 | MH-768 | MH-762 | 479.88 | 478.18 | 478.11 | 150.0 | 32 | 1.29 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-750 | MH-753 | MH-754 | 480.07 | 478.92 | 478.76 | 150.0 | 26 | 1.26 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-751 | MH-754 | MH-755 | 480.42 | 478.76 | 478.66 | 150.0 | 29 | 1.69 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-752 | MH-755 | MH-756 | 480.68 | 478.66 | 478.58 | 150.0 | 32 | 2.02 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-753 | MH-756 | MH-757 | 480.89 | 478.58 | 478.52 | 150.0 | 28 | 2.08 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-754 | MH-757 | MH-752 | 480.67 | 478.52 | 478.46 | 150.0 | 29 | 1.83 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-5557 | MH-5540 | MH-627 | 483.97 | 482.82 | 482.74 | 150.0 | 13 | 1.07 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-623 | MH-627 | MH-628 | 484.02 | 482.74 | 482.59 | 150.0 | 27 | 1.22 | 188.302 | 0.010 | 0.34 | 0.03071 |
| CO-624 | MH-628 | MH-629 | 484.05 | 482.59 | 482.28 | 150.0 | 31 | 1.15 | 100.000 | 0.010 | 0.49 | 0.04618 |
| CO-625 | MH-629 | MH-630 | 483.43 | 482.28 | 482.15 | 150.0 | 30 | 1.00 | 228.779 | 0.010 | 0.40 | 0.06166 |
| CO-626 | MH-630 | MH-631 | 483.30 | 482.15 | 481.86 | 150.0 | 30 | 1.05 | 102.471 | 0.010 | 0.56 | 0.07714 |
| CO-627 | MH-631 | MH-626 | 483.11 | 481.86 | 481.55 | 150.0 | 31 | 1.05 | 100.000 | 0.010 | 0.60 | 0.09262 |
| CO-5556 | MH-5539 | MH-621 | 484.00 | 482.85 | 482.72 | 150.0 | 20 | 1.12 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-617 | MH-621 | MH-622 | 484.12 | 482.72 | 482.61 | 150.0 | 29 | 1.32 | 278.450 | 0.010 | 0.30 | 0.03071 |
| CO-618 | MH-622 | MH-623 | 484.15 | 482.61 | 482.54 | 150.0 | 30 | 1.30 | 394.851 | 0.010 | 0.30 | 0.04618 |
| CO-619 | MH-623 | MH-624 | 483.89 | 482.54 | 482.48 | 150.0 | 30 | 1.18 | 500.000 | 0.010 | 0.30 | 0.06166 |
| CO-620 | MH-624 | MH-625 | 483.79 | 482.48 | 482.36 | 150.0 | 30 | 1.08 | 245.368 | 0.010 | 0.41 | 0.07714 |
| CO-621 | MH-625 | MH-620 | 483.51 | 482.16 | 481.85 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.60 | 0.09262 |
| CO-610 | MH-614 | MH-615 | 484.22 | 483.07 | 482.87 | 150.0 | 31 | 1.21 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-611 | MH-615 | MH-616 | 484.45 | 482.87 | 482.76 | 150.0 | 33 | 1.49 | 282.896 | 0.010 | 0.30 | 0.03096 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-612 | MH-616 | MH-617 | 484.46 | 482.76 | 482.68 | 150.0 | 30 | 1.50 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-613 | MH-617 | MH-618 | 484.28 | 482.68 | 482.62 | 150.0 | 31 | 1.35 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-614 | MH-618 | MH-619 | 484.03 | 482.62 | 482.45 | 150.0 | 30 | 1.13 | 174.667 | 0.010 | 0.47 | 0.07739 |
| CO-615 | MH-619 | MH-613 | 483.60 | 482.21 | 481.90 | 150.0 | 31 | 1.12 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-606 | MH-610 | MH-611 | 484.14 | 482.99 | 482.76 | 150.0 | 31 | 1.00 | 138.233 | 0.010 | 0.31 | 0.01548 |
| CO-607 | MH-611 | MH-612 | 483.91 | 482.46 | 482.14 | 150.0 | 31 | 1.15 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-608 | MH-612 | MH-609 | 483.29 | 481.96 | 481.64 | 150.0 | 32 | 1.09 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-598 | MH-602 | MH-603 | 484.54 | 483.39 | 483.23 | 150.0 | 25 | 1.21 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-599 | MH-603 | MH-604 | 484.81 | 483.23 | 483.13 | 150.0 | 28 | 1.42 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-600 | MH-604 | MH-605 | 484.69 | 483.13 | 483.06 | 150.0 | 29 | 1.39 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-601 | MH-605 | MH-606 | 484.57 | 483.06 | 482.84 | 150.0 | 31 | 1.32 | 141.635 | 0.010 | 0.47 | 0.06191 |
| CO-602 | MH-606 | MH-607 | 484.27 | 482.84 | 482.54 | 150.0 | 30 | 1.14 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-603 | MH-607 | MH-608 | 483.69 | 482.24 | 481.94 | 150.0 | 31 | 1.15 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-604 | MH-608 | MH-601 | 483.09 | 481.53 | 481.29 | 150.0 | 24 | 1.20 | 100.000 | 0.010 | 0.63 | 0.10835 |
| CO-597 | MH-600 | MH-601 | 482.31 | 481.16 | 480.95 | 150.0 | 34 | 1.17 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-605 | MH-601 | MH-609 | 482.44 | 480.95 | 480.88 | 150.0 | 32 | 1.55 | 500.000 | 0.010 | 0.38 | 0.13930 |
| CO-609 | MH-609 | MH-613 | 482.79 | 480.88 | 480.83 | 150.0 | 24 | 1.91 | 500.000 | 0.010 | 0.42 | 0.20121 |
| CO-616 | MH-613 | MH-620 | 483.05 | 480.83 | 480.79 | 150.0 | 22 | 2.06 | 500.000 | 0.010 | 0.47 | 0.30956 |
| CO-622 | MH-620 | MH-626 | 483.00 | 480.79 | 480.75 | 150.0 | 23 | 1.93 | 500.000 | 0.010 | 0.51 | 0.41766 |
| CO-628 | MH-626 | MH-599 | 482.70 | 480.75 | 480.70 | 150.0 | 25 | 1.71 | 500.000 | 0.010 | 0.54 | 0.52575 |
| CO-5559 | MH-594 | MH-5541 | 483.16 | 482.03 | 482.10 | 150.0 | 14 | 0.95 | 215.391 | 0.010 | 0.27 | 0.01523 |
| CO-592 | MH-594 | MH-595 | 483.16 | 482.01 | 481.76 | 150.0 | 30 | 1.00 | 119.910 | 0.010 | 0.40 | 0.03071 |
| CO-593 | MH-595 | MH-596 | 482.91 | 481.76 | 481.55 | 150.0 | 31 | 1.01 | 152.689 | 0.010 | 0.42 | 0.04618 |
| CO-594 | MH-596 | MH-597 | 482.72 | 481.55 | 481.25 | 150.0 | 31 | 1.01 | 100.000 | 0.010 | 0.53 | 0.06166 |
| CO-595 | MH-597 | MH-598 | 482.40 | 481.25 | 481.19 | 150.0 | 30 | 1.01 | 500.000 | 0.010 | 0.32 | 0.07714 |
| CO-596 | MH-598 | MH-599 | 482.37 | 481.19 | 481.12 | 150.0 | 32 | 1.10 | 500.000 | 0.010 | 0.34 | 0.09262 |
| CO-629 | MH-599 | MH-632 | 482.45 | 480.70 | 480.65 | 150.0 | 24 | 1.60 | 500.000 | 0.010 | 0.56 | 0.63385 |
| CO-630 | MH-632 | MH-633 | 482.39 | 480.65 | 480.59 | 150.0 | 30 | 1.59 | 500.000 | 0.010 | 0.56 | 0.64933 |
| CO-632 | MH-633 | MH-635 | 482.33 | 480.59 | 480.52 | 150.0 | 32 | 1.57 | 500.000 | 0.010 | 0.56 | 0.66480 |
| CO-633 | MH-635 | MH-636 | 482.22 | 480.52 | 480.46 | 150.0 | 30 | 1.47 | 500.000 | 0.010 | 0.57 | 0.68028 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-634 | MH-636 | MH-637 | 482.01 | 480.46 | 480.36 | 150.0 | 34 | 1.20 | 321.356 | 0.010 | 0.68 | 0.69576 |
| CO-635 | MH-637 | MH-638 | 481.51 | 479.68 | 479.45 | 150.0 | 23 | 1.34 | 100.000 | 0.010 | 1.07 | 0.71124 |
| CO-743 | MH-747 | MH-748 | 482.74 | 481.47 | 481.20 | 150.0 | 27 | 1.06 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-744 | MH-748 | MH-749 | 482.35 | 481.20 | 481.00 | 150.0 | 26 | 1.00 | 125.725 | 0.010 | 0.40 | 0.03096 |
| CO-745 | MH-749 | MH-750 | 482.15 | 480.79 | 480.45 | 150.0 | 33 | 1.10 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-746 | MH-750 | MH-751 | 481.60 | 480.45 | 480.22 | 150.0 | 31 | 1.00 | 132.064 | 0.010 | 0.48 | 0.06191 |
| CO-747 | MH-751 | MH-746 | 481.37 | 479.83 | 479.54 | 150.0 | 29 | 1.20 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-737 | MH-741 | MH-742 | 482.64 | 481.06 | 480.75 | 150.0 | 32 | 1.21 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-738 | MH-742 | MH-743 | 481.90 | 480.75 | 480.44 | 150.0 | 31 | 1.00 | 103.881 | 0.010 | 0.43 | 0.03096 |
| CO-739 | MH-743 | MH-744 | 481.59 | 480.44 | 480.18 | 150.0 | 28 | 1.00 | 106.753 | 0.010 | 0.48 | 0.04643 |
| CO-740 | MH-744 | MH-745 | 481.33 | 480.18 | 480.00 | 150.0 | 25 | 1.00 | 136.703 | 0.010 | 0.47 | 0.06191 |
| CO-741 | MH-745 | MH-740 | 481.15 | 479.84 | 479.55 | 150.0 | 29 | 1.08 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-636 | MH-639 | MH-640 | 485.28 | 484.13 | 484.02 | 150.0 | 18 | 1.02 | 158.402 | 0.010 | 0.30 | 0.01548 |
| CO-637 | MH-640 | MH-641 | 485.22 | 483.87 | 483.55 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-638 | MH-641 | MH-642 | 484.70 | 483.22 | 482.93 | 150.0 | 30 | 1.17 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-639 | MH-642 | MH-643 | 484.08 | 482.80 | 482.49 | 150.0 | 31 | 1.06 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-640 | MH-643 | MH-644 | 483.64 | 482.33 | 482.03 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.56 | 0.07739 |
| CO-641 | MH-644 | MH-645 | 483.18 | 481.91 | 481.61 | 150.0 | 30 | 1.06 | 100.000 | 0.010 | 0.60 | 0.09287 |
| CO-5553 | MH-645 | MH-5538 | 482.76 | 481.46 | 481.27 | 150.0 | 19 | 1.07 | 100.000 | 0.010 | 0.63 | 0.10835 |
| CO-5554 | MH-5538 | MH-651 | 482.42 | 481.09 | 480.83 | 150.0 | 25 | 1.09 | 100.000 | 0.010 | 0.65 | 0.12357 |
| CO-695 | MH-651 | MH-699 | 481.98 | 480.78 | 480.56 | 150.0 | 21 | 1.03 | 100.000 | 0.010 | 0.68 | 0.13905 |
| CO-696 | MH-699 | MH-700 | 481.71 | 480.56 | 480.40 | 150.0 | 16 | 1.00 | 100.000 | 0.010 | 0.70 | 0.15453 |
| CO-5662 | MH-700 | MH-5644 | 481.55 | 480.40 | 480.30 | 150.0 | 41 | 1.00 | 425.679 | 0.010 | 0.43 | 0.17001 |
| CO-5663 | MH-5644 | MH-5645 | 481.45 | 480.30 | 480.02 | 150.0 | 29 | 1.00 | 100.000 | 0.010 | 0.73 | 0.18524 |
| CO-5664 | MH-5645 | MH-5646 | 481.17 | 480.02 | 479.90 | 150.0 | 30 | 1.00 | 252.853 | 0.010 | 0.54 | 0.20046 |
| CO-5665 | MH-5646 | MH-5647 | 481.05 | 479.90 | 479.76 | 150.0 | 33 | 1.00 | 233.541 | 0.010 | 0.57 | 0.21569 |
| CO-5666 | MH-5647 | MH-5648 | 480.91 | 479.76 | 479.53 | 150.0 | 30 | 1.00 | 130.163 | 0.010 | 0.71 | 0.23092 |
| CO-5667 | MH-5648 | MH-5649 | 480.68 | 479.53 | 479.48 | 150.0 | 26 | 1.02 | 500.000 | 0.010 | 0.45 | 0.24615 |
| CO-5668 | MH-5649 | MH-733 | 480.67 | 479.48 | 479.45 | 150.0 | 17 | 1.14 | 500.000 | 0.010 | 0.45 | 0.26138 |
| CO-730 | MH-734 | MH-735 | 482.73 | 481.22 | 480.93 | 150.0 | 29 | 1.18 | 100.000 | 0.010 | 0.35 | 0.01548 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-731 | MH-735 | MH-736 | 482.08 | 480.61 | 480.34 | 150.0 | 27 | 1.16 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-732 | MH-736 | MH-737 | 481.49 | 480.30 | 479.90 | 150.0 | 39 | 1.02 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-734 | MH-737 | MH-739 | 481.05 | 479.90 | 479.81 | 150.0 | 29 | 1.00 | 312.726 | 0.010 | 0.36 | 0.06191 |
| CO-735 | MH-739 | MH-733 | 480.96 | 479.81 | 479.69 | 150.0 | 30 | 1.00 | 246.149 | 0.010 | 0.41 | 0.07739 |
| CO-736 | MH-733 | MH-740 | 480.84 | 479.45 | 479.39 | 150.0 | 28 | 1.20 | 500.000 | 0.010 | 0.49 | 0.35424 |
| CO-742 | MH-740 | MH-746 | 480.70 | 479.39 | 479.35 | 150.0 | 22 | 1.18 | 500.000 | 0.010 | 0.52 | 0.44711 |
| CO-748 | MH-746 | MH-638 | 480.69 | 479.35 | 479.30 | 150.0 | 25 | 1.17 | 500.000 | 0.010 | 0.54 | 0.53998 |
| CO-749 | MH-638 | MH-752 | 480.60 | 478.23 | 477.54 | 250.0 | 33 | 2.30 | 48.150 | 0.010 | 1.57 | 1.26670 |
| CO-5669 | MH-752 | MH-5650 | 480.27 | 477.54 | 477.41 | 300.0 | 27 | 2.37 | 200.000 | 0.010 | 0.95 | 1.35956 |
| CO-5670 | MH-5650 | MH-758 | 480.01 | 477.38 | 477.14 | 300.0 | 25 | 2.33 | 104.663 | 0.010 | 1.20 | 1.37479 |
| CO-756 | MH-759 | MH-760 | 480.37 | 479.22 | 479.02 | 150.0 | 31 | 1.09 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-757 | MH-760 | MH-761 | 480.35 | 479.02 | 478.91 | 150.0 | 31 | 1.13 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-758 | MH-761 | MH-758 | 480.14 | 478.91 | 478.62 | 150.0 | 30 | 1.04 | 101.049 | 0.010 | 0.48 | 0.04643 |
| CO-759 | MH-758 | MH-762 | 479.77 | 477.14 | 476.74 | 300.0 | 29 | 2.29 | 72.390 | 0.010 | 1.38 | 1.43670 |
| CO-766 | MH-762 | MH-769 | 479.28 | 476.74 | 476.60 | 300.0 | 27 | 2.27 | 200.000 | 0.010 | 0.98 | 1.52957 |
| CO-767 | MH-769 | MH-770 | 479.20 | 476.60 | 476.54 | 300.0 | 32 | 2.36 | 500.000 | 0.010 | 0.71 | 1.54505 |
| CO-768 | MH-770 | MH-771 | 479.26 | 476.54 | 476.48 | 300.0 | 32 | 2.24 | 500.000 | 0.010 | 0.71 | 1.56053 |
| CO-769 | MH-771 | MH-772 | 478.85 | 476.48 | 476.41 | 300.0 | 31 | 1.57 | 500.000 | 0.010 | 0.71 | 1.57601 |
| CO-780 | MH-772 | MH-783 | 477.78 | 475.37 | 475.19 | 300.0 | 35 | 2.36 | 200.000 | 0.010 | 1.01 | 1.73029 |
| CO-781 | MH-783 | MH-784 | 478.12 | 475.14 | 475.07 | 300.0 | 38 | 2.27 | 500.000 | 0.010 | 0.73 | 1.74576 |
| CO-876 | MH-784 | MH-879 | 477.24 | 474.55 | 474.39 | 300.0 | 32 | 2.60 | 200.000 | 0.010 | 1.29 | 4.28938 |
| CO-877 | MH-879 | MH-880 | 477.51 | 474.34 | 474.29 | 300.0 | 24 | 2.72 | 500.000 | 0.011 | 0.82 | 4.30486 |
| CO-878 | MH-880 | MH-881 | 477.16 | 474.24 | 474.19 | 350.0 | 25 | 2.30 | 500.000 | 0.011 | 0.85 | 4.32034 |
| CO-5774 | MH-5742 | MH-1198 | 478.22 | 477.07 | 476.88 | 150.0 | 23 | 1.00 | 122.257 | 0.010 | 0.32 | 0.01523 |
| CO-1195 | MH-1198 | MH-1199 | 478.03 | 476.88 | 476.67 | 150.0 | 30 | 1.00 | 145.360 | 0.010 | 0.38 | 0.03071 |
| CO-1196 | MH-1199 | MH-1200 | 477.82 | 476.54 | 476.23 | 150.0 | 30 | 1.07 | 100.000 | 0.010 | 0.49 | 0.04618 |
| CO-1197 | MH-1200 | MH-1201 | 477.38 | 476.20 | 475.90 | 150.0 | 30 | 1.01 | 100.000 | 0.010 | 0.53 | 0.06166 |
| CO-1198 | MH-1201 | MH-1004 | 477.05 | 475.90 | 475.84 | 150.0 | 30 | 1.05 | 500.000 | 0.010 | 0.32 | 0.07714 |
| CO-995 | MH-999 | MH-1000 | 478.56 | 477.35 | 477.10 | 150.0 | 25 | 1.03 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-996 | MH-1000 | MH-1001 | 478.25 | 477.10 | 476.96 | 150.0 | 26 | 1.00 | 178.167 | 0.010 | 0.35 | 0.03096 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|--------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-997 | MH-1001 | MH-1002 | 478.11 | 476.82 | 476.52 | 150.0 | 30 | 1.07 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-998 | MH-1002 | MH-1003 | 477.67 | 476.43 | 476.14 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-999 | MH-1003 | MH-998 | 477.29 | 476.14 | 476.08 | 150.0 | 30 | 1.01 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-989 | MH-993 | MH-994 | 478.96 | 477.81 | 477.57 | 150.0 | 28 | 1.00 | 119.831 | 0.010 | 0.33 | 0.01548 |
| CO-990 | MH-994 | MH-995 | 478.72 | 477.57 | 477.35 | 150.0 | 26 | 1.00 | 114.958 | 0.010 | 0.41 | 0.03096 |
| CO-991 | MH-995 | MH-996 | 478.50 | 477.24 | 477.00 | 150.0 | 23 | 1.06 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-992 | MH-996 | MH-997 | 478.15 | 476.85 | 476.54 | 150.0 | 31 | 1.08 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-993 | MH-997 | MH-992 | 477.69 | 476.54 | 476.34 | 150.0 | 31 | 1.00 | 154.871 | 0.010 | 0.49 | 0.07739 |
| CO-982 | MH-986 | MH-987 | 479.25 | 478.10 | 477.88 | 150.0 | 28 | 1.03 | 126.617 | 0.010 | 0.32 | 0.01548 |
| CO-983 | MH-987 | MH-988 | 479.09 | 477.88 | 477.57 | 150.0 | 30 | 1.03 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-985 | MH-988 | MH-990 | 478.72 | 477.57 | 477.48 | 150.0 | 17 | 1.00 | 171.515 | 0.010 | 0.40 | 0.04643 |
| CO-986 | MH-990 | MH-991 | 478.63 | 477.31 | 477.01 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-987 | MH-991 | MH-985 | 478.16 | 477.01 | 476.77 | 150.0 | 30 | 1.00 | 127.683 | 0.010 | 0.52 | 0.07739 |
| CO-976 | MH-980 | MH-981 | 479.46 | 478.31 | 478.10 | 150.0 | 22 | 1.00 | 102.676 | 0.010 | 0.34 | 0.01548 |
| CO-977 | MH-981 | MH-982 | 479.25 | 478.10 | 477.91 | 150.0 | 23 | 1.00 | 124.442 | 0.010 | 0.40 | 0.03096 |
| CO-978 | MH-982 | MH-983 | 479.06 | 477.68 | 477.40 | 150.0 | 28 | 1.11 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-979 | MH-983 | MH-984 | 478.55 | 477.24 | 476.96 | 150.0 | 28 | 1.08 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-980 | MH-984 | MH-979 | 478.11 | 476.96 | 476.90 | 150.0 | 29 | 1.15 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-970 | MH-974 | MH-975 | 479.98 | 478.69 | 478.43 | 150.0 | 26 | 1.07 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-971 | MH-975 | MH-976 | 479.58 | 478.42 | 478.20 | 150.0 | 22 | 1.00 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-972 | MH-976 | MH-977 | 479.35 | 477.93 | 477.70 | 150.0 | 23 | 1.13 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-973 | MH-977 | MH-978 | 478.85 | 477.60 | 477.29 | 150.0 | 30 | 1.05 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-974 | MH-978 | MH-970 | 478.44 | 477.29 | 477.23 | 150.0 | 30 | 1.17 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-961 | MH-965 | MH-966 | 478.82 | 477.67 | 477.50 | 150.0 | 27 | 1.28 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-962 | MH-966 | MH-967 | 479.22 | 477.50 | 477.44 | 150.0 | 19 | 1.82 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-963 | MH-967 | MH-968 | 479.66 | 477.44 | 477.40 | 150.0 | 15 | 2.13 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-964 | MH-968 | MH-969 | 479.74 | 477.40 | 477.34 | 150.0 | 29 | 2.33 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-965 | MH-969 | MH-964 | 479.97 | 477.34 | 477.28 | 150.0 | 32 | 1.96 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-955 | MH-959 | MH-960 | 480.36 | 479.21 | 479.00 | 150.0 | 25 | 1.04 | 118.021 | 0.010 | 0.33 | 0.01548 |
| CO-956 | MH-960 | MH-961 | 480.23 | 479.00 | 478.81 | 150.0 | 19 | 1.04 | 100.000 | 0.010 | 0.43 | 0.03096 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-957 | MH-961 | MH-962 | 479.96 | 478.52 | 478.21 | 150.0 | 30 | 1.15 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-958 | MH-962 | MH-963 | 479.36 | 478.19 | 477.97 | 150.0 | 22 | 1.01 | 100.000 | 0.010 | 0.53 | 0.06191 |
| CO-959 | MH-963 | MH-958 | 479.12 | 477.97 | 477.91 | 150.0 | 29 | 1.06 | 500.000 | 0.010 | 0.32 | 0.07739 |
| CO-950 | MH-954 | MH-955 | 480.62 | 479.47 | 479.15 | 150.0 | 34 | 1.03 | 108.646 | 0.010 | 0.34 | 0.01548 |
| CO-951 | MH-955 | MH-956 | 480.36 | 479.15 | 478.91 | 150.0 | 25 | 1.03 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-952 | MH-956 | MH-957 | 480.06 | 478.74 | 478.35 | 150.0 | 39 | 1.08 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-953 | MH-957 | MH-953 | 479.50 | 478.35 | 478.18 | 150.0 | 31 | 1.00 | 184.349 | 0.010 | 0.43 | 0.06191 |
| CO-944 | MH-948 | MH-949 | 480.88 | 479.65 | 479.35 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-945 | MH-949 | MH-950 | 480.50 | 479.35 | 479.10 | 150.0 | 29 | 1.00 | 110.856 | 0.010 | 0.42 | 0.03096 |
| CO-947 | MH-950 | MH-952 | 480.25 | 479.01 | 478.59 | 150.0 | 42 | 1.04 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-948 | MH-952 | MH-947 | 479.74 | 478.59 | 478.53 | 150.0 | 30 | 1.07 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-938 | MH-942 | MH-943 | 480.92 | 479.61 | 479.29 | 150.0 | 32 | 1.08 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-939 | MH-943 | MH-944 | 480.44 | 479.29 | 479.11 | 150.0 | 26 | 1.00 | 142.418 | 0.010 | 0.38 | 0.03096 |
| CO-941 | MH-944 | MH-946 | 480.26 | 479.11 | 478.87 | 150.0 | 25 | 1.00 | 104.490 | 0.010 | 0.48 | 0.04643 |
| CO-942 | MH-946 | MH-913 | 480.02 | 478.87 | 478.52 | 150.0 | 37 | 1.00 | 105.880 | 0.010 | 0.52 | 0.06191 |
| CO-931 | MH-935 | MH-936 | 479.23 | 478.08 | 477.85 | 150.0 | 36 | 1.27 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-932 | MH-936 | MH-937 | 479.54 | 477.85 | 477.74 | 150.0 | 31 | 1.82 | 282.896 | 0.010 | 0.30 | 0.03096 |
| CO-934 | MH-937 | MH-939 | 479.99 | 477.74 | 477.67 | 150.0 | 30 | 2.15 | 396.631 | 0.010 | 0.30 | 0.04643 |
| CO-935 | MH-939 | MH-911 | 480.03 | 477.67 | 477.61 | 150.0 | 29 | 1.73 | 500.000 | 0.010 | 0.30 | 0.06191 |
| CO-5883 | MH-5756 | MH-5821 | 478.35 | 477.20 | 476.99 | 150.0 | 31 | 1.17 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5884 | MH-5821 | MH-686 | 478.49 | 476.99 | 476.86 | 150.0 | 37 | 1.49 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5799 | MH-5760 | MH-5761 | 479.82 | 478.67 | 478.56 | 150.0 | 17 | 1.02 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5881 | MH-5761 | MH-5820 | 479.75 | 478.56 | 478.19 | 150.0 | 37 | 1.02 | 100.104 | 0.010 | 0.43 | 0.03046 |
| CO-5882 | MH-5820 | MH-5762 | 479.34 | 478.15 | 477.83 | 150.0 | 32 | 1.02 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5795 | MH-5757 | MH-5758 | 479.98 | 478.83 | 478.63 | 150.0 | 29 | 1.00 | 143.256 | 0.010 | 0.30 | 0.01523 |
| CO-5879 | MH-5758 | MH-5819 | 479.78 | 478.54 | 478.16 | 150.0 | 38 | 1.04 | 100.000 | 0.010 | 0.43 | 0.03046 |
| CO-5880 | MH-5819 | MH-5759 | 479.31 | 478.09 | 477.77 | 150.0 | 32 | 1.04 | 100.000 | 0.010 | 0.48 | 0.04568 |
| CO-5789 | MH-5751 | MH-5752 | 479.81 | 478.66 | 478.52 | 150.0 | 20 | 1.15 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5790 | MH-5752 | MH-5753 | 479.96 | 478.52 | 478.38 | 150.0 | 39 | 1.39 | 276.515 | 0.010 | 0.30 | 0.03046 |
| CO-5851 | MH-5753 | MH-5804 | 480.02 | 478.38 | 478.31 | 150.0 | 26 | 1.43 | 391.222 | 0.010 | 0.30 | 0.04568 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5853 | MH-5804 | MH-5805 | 479.82 | 478.31 | 478.26 | 150.0 | 27 | 1.40 | 500.000 | 0.010 | 0.30 | 0.06091 |
| CO-5855 | MH-5805 | MH-5807 | 479.85 | 478.26 | 478.20 | 150.0 | 28 | 1.57 | 500.000 | 0.010 | 0.32 | 0.07614 |
| CO-5857 | MH-5807 | MH-5808 | 480.04 | 478.20 | 478.14 | 150.0 | 31 | 1.61 | 500.000 | 0.010 | 0.34 | 0.09137 |
| CO-5859 | MH-5808 | MH-5809 | 479.82 | 478.14 | 478.08 | 150.0 | 29 | 1.49 | 500.000 | 0.010 | 0.35 | 0.10660 |
| CO-5861 | MH-5809 | MH-5810 | 479.67 | 478.08 | 478.01 | 150.0 | 32 | 1.45 | 500.000 | 0.010 | 0.37 | 0.12182 |
| CO-5863 | MH-5810 | MH-5811 | 479.62 | 478.01 | 477.94 | 150.0 | 39 | 1.48 | 500.000 | 0.010 | 0.38 | 0.13705 |
| CO-5865 | MH-5811 | MH-5812 | 479.59 | 477.94 | 477.86 | 150.0 | 39 | 1.67 | 500.000 | 0.010 | 0.39 | 0.15228 |
| CO-5867 | MH-5812 | MH-5813 | 479.84 | 477.86 | 477.79 | 150.0 | 36 | 1.91 | 500.000 | 0.010 | 0.40 | 0.16751 |
| CO-5869 | MH-5813 | MH-5814 | 479.93 | 477.79 | 477.73 | 150.0 | 25 | 1.88 | 454.726 | 0.010 | 0.43 | 0.18274 |
| CO-5870 | MH-5814 | MH-5754 | 479.64 | 477.73 | 477.47 | 150.0 | 26 | 1.38 | 100.000 | 0.010 | 0.75 | 0.19796 |
| CO-5793 | MH-5755 | MH-5754 | 478.25 | 477.10 | 476.81 | 150.0 | 43 | 1.33 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5796 | MH-5754 | MH-5759 | 478.62 | 476.81 | 476.75 | 150.0 | 32 | 1.84 | 500.000 | 0.010 | 0.44 | 0.22842 |
| CO-5800 | MH-5759 | MH-5762 | 478.92 | 476.75 | 476.70 | 150.0 | 24 | 2.07 | 500.000 | 0.010 | 0.47 | 0.28933 |
| CO-5801 | MH-5762 | MH-932 | 478.98 | 476.70 | 476.67 | 150.0 | 17 | 2.15 | 500.000 | 0.010 | 0.49 | 0.35024 |
| CO-924 | MH-928 | MH-929 | 480.00 | 478.76 | 478.33 | 150.0 | 43 | 1.05 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-925 | MH-929 | MH-930 | 479.48 | 478.21 | 478.11 | 150.0 | 10 | 1.06 | 100.000 | 0.010 | 0.43 | 0.03096 |
| CO-927 | MH-930 | MH-932 | 479.26 | 478.08 | 477.85 | 150.0 | 23 | 1.01 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-928 | MH-932 | MH-686 | 479.00 | 476.67 | 476.61 | 150.0 | 28 | 2.03 | 500.000 | 0.010 | 0.51 | 0.41216 |
| CO-929 | MH-686 | MH-896 | 478.65 | 476.61 | 476.59 | 150.0 | 10 | 1.98 | 500.000 | 0.010 | 0.52 | 0.45809 |
| CO-930 | MH-896 | MH-911 | 478.83 | 476.59 | 476.57 | 150.0 | 13 | 2.19 | 500.000 | 0.010 | 0.53 | 0.47357 |
| CO-936 | MH-911 | MH-912 | 479.01 | 476.57 | 476.52 | 150.0 | 24 | 2.44 | 500.000 | 0.010 | 0.55 | 0.55096 |
| CO-937 | MH-912 | MH-913 | 479.27 | 476.52 | 476.48 | 150.0 | 21 | 2.82 | 500.000 | 0.010 | 0.55 | 0.56644 |
| CO-943 | MH-913 | MH-947 | 479.67 | 476.48 | 476.43 | 150.0 | 25 | 3.15 | 500.000 | 0.010 | 0.56 | 0.64383 |
| CO-949 | MH-947 | MH-953 | 479.83 | 476.43 | 476.38 | 150.0 | 23 | 3.03 | 500.000 | 0.010 | 0.57 | 0.72122 |
| CO-954 | MH-953 | MH-958 | 479.33 | 476.36 | 476.31 | 170.0 | 23 | 2.75 | 500.000 | 0.010 | 0.60 | 0.79861 |
| CO-960 | MH-958 | MH-964 | 479.18 | 476.31 | 476.26 | 200.0 | 29 | 2.54 | 500.000 | 0.010 | 0.62 | 0.89147 |
| CO-966 | MH-964 | MH-970 | 478.87 | 476.26 | 476.22 | 200.0 | 17 | 2.35 | 500.000 | 0.010 | 0.63 | 0.98434 |
| CO-975 | MH-970 | MH-979 | 478.71 | 476.07 | 475.48 | 200.0 | 23 | 2.55 | 39.262 | 0.010 | 1.65 | 1.07721 |
| CO-981 | MH-979 | MH-985 | 478.34 | 475.48 | 475.42 | 200.0 | 24 | 2.48 | 396.240 | 0.010 | 0.72 | 1.17008 |
| CO-988 | MH-985 | MH-992 | 477.92 | 475.42 | 475.33 | 200.0 | 23 | 2.13 | 243.840 | 0.010 | 0.88 | 1.26295 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-994 | MH-992 | MH-998 | 477.49 | 475.33 | 475.08 | 250.0 | 23 | 1.92 | 90.221 | 0.010 | 1.28 | 1.35581 |
| CO-1000 | MH-998 | MH-1004 | 477.26 | 475.08 | 474.41 | 250.0 | 23 | 2.18 | 33.664 | 0.010 | 1.85 | 1.44868 |
| CO-1199 | MH-1004 | MH-1202 | 477.08 | 474.38 | 474.33 | 350.0 | 22 | 2.30 | 438.912 | 0.011 | 0.68 | 1.54130 |
| CO-1200 | MH-1202 | MH-883 | 476.91 | 474.33 | 474.23 | 350.0 | 19 | 2.22 | 200.000 | 0.011 | 0.91 | 1.55678 |
| CO-1190 | MH-1194 | MH-1195 | 479.07 | 477.92 | 477.77 | 150.0 | 24 | 1.00 | 158.832 | 0.010 | 0.30 | 0.01548 |
| CO-1191 | MH-1195 | MH-1196 | 478.92 | 477.77 | 477.69 | 150.0 | 19 | 1.00 | 236.344 | 0.010 | 0.32 | 0.03096 |
| CO-1192 | MH-1196 | MH-1040 | 478.84 | 477.69 | 477.48 | 150.0 | 21 | 1.00 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-1033 | MH-1038 | MH-1039 | 479.24 | 478.09 | 477.90 | 150.0 | 30 | 1.09 | 158.518 | 0.010 | 0.30 | 0.01548 |
| CO-1034 | MH-1039 | MH-1037 | 479.22 | 477.90 | 477.71 | 150.0 | 30 | 1.16 | 164.523 | 0.010 | 0.36 | 0.03096 |
| CO-1030 | MH-1035 | MH-1036 | 479.68 | 478.47 | 478.17 | 150.0 | 30 | 1.03 | 100.000 | 0.010 | 0.35 | 0.01548 |
| CO-1031 | MH-1036 | MH-1034 | 479.32 | 478.17 | 478.08 | 150.0 | 27 | 1.01 | 282.933 | 0.010 | 0.30 | 0.03096 |
| CO-1027 | MH-1032 | MH-1033 | 480.04 | 478.89 | 478.70 | 150.0 | 30 | 1.04 | 158.733 | 0.010 | 0.30 | 0.01548 |
| CO-1028 | MH-1033 | MH-1031 | 479.93 | 478.70 | 478.52 | 150.0 | 27 | 1.04 | 148.050 | 0.010 | 0.38 | 0.03096 |
| CO-1024 | MH-1029 | MH-1030 | 480.44 | 479.29 | 479.15 | 150.0 | 22 | 1.03 | 158.303 | 0.010 | 0.30 | 0.01548 |
| CO-1025 | MH-1030 | MH-1028 | 480.36 | 479.15 | 478.93 | 150.0 | 28 | 1.03 | 126.453 | 0.010 | 0.40 | 0.03096 |
| CO-1021 | MH-1026 | MH-1027 | 480.93 | 479.78 | 479.58 | 150.0 | 30 | 1.07 | 151.896 | 0.010 | 0.30 | 0.01548 |
| CO-1022 | MH-1027 | MH-1025 | 480.86 | 479.58 | 479.35 | 150.0 | 30 | 1.07 | 132.193 | 0.010 | 0.39 | 0.03096 |
| CO-1017 | MH-1022 | MH-1023 | 481.22 | 480.07 | 479.93 | 150.0 | 22 | 1.02 | 158.485 | 0.010 | 0.30 | 0.01548 |
| CO-1018 | MH-1023 | MH-1024 | 481.13 | 479.93 | 479.84 | 150.0 | 19 | 1.03 | 205.067 | 0.010 | 0.33 | 0.03096 |
| CO-1019 | MH-1024 | MH-1021 | 481.00 | 479.84 | 479.63 | 150.0 | 21 | 1.01 | 100.000 | 0.010 | 0.49 | 0.04643 |
| CO-5871 | MH-5766 | MH-5815 | 482.21 | 480.87 | 480.83 | 150.0 | 30 | 1.10 | 692.727 | 0.010 | 0.18 | 0.01523 |
| CO-5873 | MH-5815 | MH-5816 | 481.99 | 480.83 | 480.43 | 150.0 | 31 | 1.15 | 76.962 | 0.010 | 0.47 | 0.03046 |
| CO-5875 | MH-5816 | MH-5817 | 481.86 | 480.43 | 480.36 | 150.0 | 29 | 1.23 | 409.303 | 0.010 | 0.30 | 0.04568 |
| CO-5877 | MH-5817 | MH-5818 | 481.69 | 480.36 | 480.28 | 150.0 | 32 | 1.13 | 403.860 | 0.010 | 0.32 | 0.06091 |
| CO-5878 | MH-5818 | MH-5767 | 481.50 | 480.28 | 480.21 | 150.0 | 30 | 1.02 | 431.074 | 0.010 | 0.34 | 0.07614 |
| CO-5806 | MH-5767 | MH-1019 | 481.33 | 480.21 | 480.04 | 150.0 | 16 | 1.14 | 93.496 | 0.010 | 0.61 | 0.09137 |
| CO-1014 | MH-1019 | MH-1020 | 481.49 | 480.04 | 479.99 | 150.0 | 25 | 1.23 | 500.000 | 0.010 | 0.35 | 0.10685 |
| CO-1015 | MH-1020 | MH-915 | 481.30 | 479.99 | 479.95 | 150.0 | 20 | 1.10 | 500.000 | 0.010 | 0.37 | 0.12232 |
| CO-5694 | MH-5668 | MH-1017 | 481.34 | 480.19 | 479.99 | 150.0 | 30 | 1.00 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-1012 | MH-1017 | MH-914 | 481.14 | 479.99 | 479.89 | 150.0 | 27 | 1.09 | 278.450 | 0.010 | 0.30 | 0.03071 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5693 | MH-5667 | MH-1015 | 481.22 | 480.07 | 479.89 | 150.0 | 27 | 1.05 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-1010 | MH-1015 | MH-1014 | 481.13 | 479.89 | 479.77 | 150.0 | 32 | 1.09 | 278.450 | 0.010 | 0.30 | 0.03071 |
| CO-1011 | MH-1014 | MH-914 | 481.01 | 479.77 | 479.71 | 150.0 | 23 | 1.22 | 394.851 | 0.010 | 0.30 | 0.04618 |
| CO-1013 | MH-914 | MH-915 | 481.21 | 479.71 | 479.67 | 150.0 | 23 | 1.33 | 500.000 | 0.010 | 0.34 | 0.09237 |
| CO-1016 | MH-915 | MH-1021 | 481.14 | 479.67 | 479.59 | 150.0 | 24 | 1.18 | 292.058 | 0.010 | 0.53 | 0.23017 |
| CO-1020 | MH-1021 | MH-1025 | 480.78 | 479.59 | 479.35 | 150.0 | 24 | 1.02 | 100.000 | 0.010 | 0.84 | 0.29208 |
| CO-1023 | MH-1025 | MH-1028 | 480.50 | 479.35 | 478.93 | 150.0 | 47 | 1.00 | 112.320 | 0.010 | 0.84 | 0.33852 |
| CO-1026 | MH-1028 | MH-1031 | 480.08 | 478.76 | 478.52 | 150.0 | 24 | 1.08 | 100.000 | 0.010 | 0.91 | 0.38495 |
| CO-1029 | MH-1031 | MH-1034 | 479.67 | 478.33 | 478.09 | 150.0 | 24 | 1.10 | 100.000 | 0.010 | 0.94 | 0.43138 |
| CO-1032 | MH-1034 | MH-1037 | 479.24 | 478.08 | 477.86 | 150.0 | 22 | 1.01 | 100.739 | 0.010 | 0.96 | 0.47782 |
| CO-1035 | MH-1037 | MH-1040 | 479.01 | 477.71 | 477.48 | 150.0 | 23 | 1.07 | 100.000 | 0.010 | 0.99 | 0.52425 |
| CO-5695 | MH-1040 | MH-1197 | 478.63 | 477.38 | 477.15 | 150.0 | 23 | 1.05 | 100.000 | 0.010 | 1.02 | 0.58616 |
| CO-5696 | MH-1197 | MH-5669 | 478.30 | 476.96 | 476.56 | 150.0 | 40 | 1.10 | 100.000 | 0.010 | 1.02 | 0.60164 |
| CO-5697 | MH-5669 | MH-5670 | 477.71 | 476.56 | 476.26 | 150.0 | 30 | 1.00 | 104.158 | 0.010 | 1.01 | 0.61687 |
| CO-5698 | MH-5670 | MH-5671 | 477.41 | 476.26 | 475.94 | 150.0 | 33 | 1.00 | 102.224 | 0.010 | 1.03 | 0.63210 |
| CO-5699 | MH-5671 | MH-5672 | 477.09 | 475.94 | 475.88 | 150.0 | 30 | 1.03 | 500.000 | 0.010 | 0.56 | 0.64733 |
| CO-5700 | MH-5672 | MH-5673 | 477.09 | 475.88 | 475.83 | 150.0 | 25 | 1.17 | 500.000 | 0.010 | 0.56 | 0.66255 |
| CO-5701 | MH-5673 | MH-5674 | 477.26 | 475.83 | 475.79 | 150.0 | 23 | 1.38 | 500.000 | 0.010 | 0.57 | 0.67778 |
| CO-5702 | MH-5674 | MH-883 | 477.42 | 475.79 | 475.63 | 150.0 | 18 | 1.24 | 114.378 | 0.010 | 1.01 | 0.69301 |
| CO-880 | MH-882 | MH-883 | 476.63 | 474.12 | 474.18 | 350.0 | 30 | 2.20 | 500.000 | 0.011 | 0.72 | 2.26527 |
| CO-879 | MH-881 | MH-882 | 476.58 | 474.05 | 474.12 | 350.0 | 34 | 2.17 | 500.000 | 0.011 | 0.73 | 2.28074 |
| CO-5715 | MH-881 | MH-5686 | 476.58 | 473.55 | 473.40 | 400.0 | 30 | 2.52 | 200.000 | 0.011 | 1.39 | 7.55997 |
| CO-5716 | MH-5686 | MH-5687 | 476.22 | 473.35 | 473.29 | 400.0 | 29 | 2.32 | 500.000 | 0.011 | 0.97 | 7.57266 |
| CO-5717 | MH-5687 | MH-5688 | 475.87 | 473.29 | 473.23 | 400.0 | 30 | 2.12 | 500.000 | 0.011 | 0.97 | 7.58535 |
| CO-5718 | MH-5688 | MH-5689 | 475.70 | 473.23 | 473.17 | 400.0 | 29 | 2.01 | 500.000 | 0.011 | 0.97 | 7.59804 |
| CO-5719 | MH-5689 | MH-5690 | 475.52 | 473.17 | 473.13 | 400.0 | 21 | 1.86 | 500.000 | 0.011 | 0.97 | 7.61073 |
| CO-5720 | MH-5690 | MH-5691 | 475.30 | 473.13 | 473.10 | 400.0 | 18 | 1.75 | 500.000 | 0.011 | 0.97 | 7.62342 |
| CO-5721 | MH-5691 | MH-5692 | 475.23 | 473.10 | 473.03 | 400.0 | 34 | 1.57 | 500.000 | 0.011 | 0.97 | 7.63611 |
| CO-5847 | MH-5774 | MH-5802 | 475.10 | 473.95 | 473.78 | 150.0 | 25 | 1.02 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5848 | MH-5802 | MH-5692 | 474.97 | 473.78 | 473.68 | 150.0 | 27 | 1.02 | 276.515 | 0.010 | 0.30 | 0.03046 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5722 | MH-5692 | MH-5693 | 474.84 | 473.03 | 472.97 | 400.0 | 28 | 1.29 | 500.000 | 0.011 | 0.97 | 7.67418 |
| CO-5723 | MH-5693 | MH-5694 | 474.53 | 472.97 | 472.91 | 400.0 | 28 | 1.13 | 500.000 | 0.011 | 0.98 | 7.71225 |
| CO-5822 | MH-5784 | MH-5694 | 473.05 | 471.90 | 471.64 | 150.0 | 39 | 1.81 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5814 | MH-5776 | MH-5694 | 474.65 | 473.50 | 473.19 | 150.0 | 47 | 1.03 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5724 | MH-5694 | MH-5695 | 474.41 | 471.39 | 471.33 | 400.0 | 31 | 2.46 | 500.000 | 0.011 | 0.98 | 7.75032 |
| CO-5725 | MH-5695 | MH-5696 | 474.03 | 471.33 | 471.27 | 400.0 | 29 | 2.25 | 500.000 | 0.011 | 0.98 | 7.77570 |
| CO-5823 | MH-5785 | MH-5696 | 474.02 | 472.87 | 472.58 | 150.0 | 44 | 1.07 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5726 | MH-5696 | MH-5697 | 473.87 | 471.27 | 471.21 | 400.0 | 33 | 2.20 | 500.000 | 0.011 | 0.98 | 7.81377 |
| CO-5727 | MH-5697 | MH-5698 | 473.81 | 471.21 | 471.14 | 400.0 | 33 | 2.20 | 500.000 | 0.011 | 0.98 | 7.83915 |
| CO-5728 | MH-5698 | MH-5699 | 473.73 | 471.14 | 471.08 | 400.0 | 31 | 2.10 | 500.000 | 0.011 | 0.98 | 7.85184 |
| CO-5819 | MH-5781 | MH-5699 | 473.68 | 472.53 | 472.26 | 150.0 | 41 | 1.04 | 149.659 | 0.010 | 0.30 | 0.01523 |
| CO-5729 | MH-5699 | MH-5700 | 473.48 | 471.08 | 471.02 | 400.0 | 28 | 1.85 | 500.000 | 0.011 | 0.98 | 7.87722 |
| CO-5820 | MH-5782 | MH-5700 | 473.43 | 472.28 | 471.98 | 150.0 | 35 | 1.00 | 115.924 | 0.010 | 0.33 | 0.01523 |
| CO-5730 | MH-5700 | MH-5701 | 473.13 | 471.02 | 470.96 | 400.0 | 31 | 1.57 | 500.000 | 0.011 | 0.98 | 7.90260 |
| CO-5731 | MH-5701 | MH-5702 | 472.80 | 470.96 | 470.90 | 400.0 | 30 | 1.38 | 500.000 | 0.011 | 0.98 | 7.92798 |
| CO-5732 | MH-5702 | MH-5703 | 472.61 | 470.90 | 470.85 | 400.0 | 27 | 1.34 | 500.000 | 0.011 | 0.98 | 7.99143 |
| CO-5733 | MH-5703 | MH-5704 | 472.61 | 470.85 | 470.79 | 400.0 | 26 | 1.28 | 500.000 | 0.011 | 0.98 | 8.00412 |
| CO-5734 | MH-5704 | MH-5705 | 472.39 | 468.12 | 468.08 | 500.0 | 16 | 3.85 | 500.000 | 0.011 | 1.16 | 16.54731 |
| CO-5735 | MH-5705 | MH-5706 | 472.50 | 468.08 | 468.05 | 500.0 | 17 | 3.99 | 500.000 | 0.011 | 1.16 | 16.55873 |
| CO-5889 | MH-5787 | MH-5824 | 474.50 | 473.35 | 473.13 | 150.0 | 31 | 1.00 | 139.742 | 0.010 | 0.31 | 0.01523 |
| CO-5891 | MH-5824 | MH-5825 | 474.28 | 473.13 | 472.94 | 150.0 | 29 | 1.00 | 150.894 | 0.010 | 0.37 | 0.03046 |
| CO-5893 | MH-5825 | MH-5826 | 474.09 | 472.94 | 472.73 | 150.0 | 32 | 1.00 | 150.894 | 0.010 | 0.42 | 0.04568 |
| CO-5895 | MH-5826 | MH-5827 | 473.88 | 472.73 | 472.50 | 150.0 | 32 | 1.00 | 138.876 | 0.010 | 0.47 | 0.06091 |
| CO-5897 | MH-5827 | MH-5828 | 473.65 | 472.50 | 472.31 | 150.0 | 28 | 1.00 | 153.261 | 0.010 | 0.49 | 0.07614 |
| CO-5899 | MH-5828 | MH-5829 | 473.46 | 472.31 | 472.08 | 150.0 | 31 | 1.00 | 133.443 | 0.010 | 0.54 | 0.09137 |
| CO-5901 | MH-5829 | MH-5830 | 473.23 | 472.08 | 471.89 | 150.0 | 31 | 1.00 | 161.197 | 0.010 | 0.53 | 0.10660 |
| CO-5903 | MH-5830 | MH-5831 | 473.04 | 471.89 | 471.68 | 150.0 | 33 | 1.00 | 161.197 | 0.010 | 0.55 | 0.12182 |
| CO-5904 | MH-5831 | MH-5706 | 472.83 | 471.68 | 471.47 | 150.0 | 35 | 1.00 | 161.197 | 0.010 | 0.57 | 0.13705 |
| CO-5736 | MH-5706 | MH-5707 | 472.62 | 468.05 | 468.01 | 500.0 | 21 | 3.70 | 500.000 | 0.011 | 1.16 | 16.67294 |
| CO-5737 | MH-5707 | MH-5708 | 471.83 | 468.01 | 467.95 | 500.0 | 30 | 3.26 | 500.000 | 0.011 | 1.16 | 16.68436 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5738 | MH-5708 | MH-5709 | 471.65 | 467.95 | 467.89 | 500.0 | 29 | 3.08 | 500.000 | 0.011 | 1.16 | 16.69578 |
| CO-5739 | MH-5709 | MH-5710 | 471.34 | 467.89 | 467.83 | 500.0 | 30 | 3.04 | 500.000 | 0.011 | 1.16 | 16.70720 |
| CO-5740 | MH-5710 | MH-5711 | 471.44 | 467.83 | 467.77 | 500.0 | 31 | 3.13 | 500.000 | 0.011 | 1.16 | 16.71862 |
| CO-5741 | MH-5711 | MH-5712 | 471.41 | 467.77 | 467.71 | 500.0 | 31 | 3.50 | 500.000 | 0.011 | 1.16 | 16.73004 |
| CO-5742 | MH-5712 | MH-5713 | 472.06 | 467.71 | 467.65 | 500.0 | 28 | 4.08 | 500.000 | 0.011 | 1.16 | 16.74146 |
| CO-5743 | MH-5713 | MH-5714 | 472.46 | 467.65 | 467.59 | 500.0 | 32 | 4.71 | 500.000 | 0.011 | 1.16 | 16.75288 |
| CO-5744 | MH-5714 | MH-5715 | 473.21 | 467.59 | 467.53 | 500.0 | 29 | 5.26 | 500.000 | 0.011 | 1.16 | 16.76430 |
| CO-5745 | MH-5715 | MH-5716 | 473.43 | 467.53 | 467.47 | 500.0 | 29 | 5.52 | 500.000 | 0.011 | 1.16 | 16.77573 |
| CO-5746 | MH-5716 | MH-5717 | 473.62 | 467.47 | 467.42 | 500.0 | 27 | 5.51 | 500.000 | 0.011 | 1.16 | 16.78715 |
| CO-5747 | MH-5717 | MH-5718 | 473.29 | 467.42 | 467.36 | 500.0 | 30 | 5.55 | 500.000 | 0.011 | 1.16 | 16.79857 |
| CO-5748 | MH-5718 | MH-5719 | 473.58 | 467.36 | 467.29 | 500.0 | 32 | 5.54 | 500.000 | 0.011 | 1.16 | 16.80999 |
| CO-5749 | MH-5719 | MH-5720 | 473.14 | 467.29 | 467.24 | 500.0 | 28 | 5.25 | 500.000 | 0.011 | 1.16 | 16.82141 |
| CO-5750 | MH-5720 | MH-5721 | 472.88 | 467.24 | 467.18 | 500.0 | 30 | 4.93 | 500.000 | 0.011 | 1.16 | 16.83283 |
| CO-5751 | MH-5721 | MH-5722 | 472.40 | 467.18 | 467.12 | 500.0 | 29 | 4.58 | 500.000 | 0.011 | 1.16 | 16.84425 |
| CO-5752 | MH-5722 | MH-5723 | 472.06 | 467.02 | 466.97 | 600.0 | 27 | 4.30 | 500.000 | 0.011 | 1.20 | 16.85567 |
| CO-5753 | MH-5723 | MH-5724 | 471.73 | 466.97 | 466.90 | 600.0 | 33 | 3.99 | 500.000 | 0.011 | 1.20 | 16.86709 |
| CO-5754 | MH-5724 | MH-5725 | 471.31 | 466.90 | 466.84 | 600.0 | 31 | 3.56 | 500.000 | 0.011 | 1.20 | 16.87852 |
| CO-5757 | MH-5725 | MH-5727 | 470.74 | 466.84 | 466.78 | 600.0 | 30 | 3.23 | 500.000 | 0.011 | 1.20 | 16.88994 |
| CO-5758 | MH-5727 | MH-5728 | 470.54 | 466.78 | 466.72 | 600.0 | 29 | 3.19 | 500.000 | 0.011 | 1.20 | 16.90136 |
| CO-5759 | MH-5728 | MH-5729 | 470.55 | 466.72 | 466.67 | 600.0 | 27 | 3.13 | 500.000 | 0.011 | 1.20 | 16.91278 |
| CO-5760 | MH-5729 | MH-5730 | 470.30 | 466.67 | 466.63 | 600.0 | 20 | 2.98 | 500.000 | 0.011 | 1.20 | 16.92420 |
| CO-5761 | MH-5730 | MH-5731 | 470.15 | 466.63 | 466.57 | 600.0 | 28 | 2.84 | 500.000 | 0.011 | 1.20 | 16.93562 |
| CO-5762 | MH-5731 | MH-5732 | 469.92 | 466.57 | 466.51 | 600.0 | 30 | 2.63 | 500.000 | 0.011 | 1.20 | 16.94704 |
| CO-5763 | MH-5732 | MH-5733 | 469.62 | 466.51 | 466.45 | 600.0 | 30 | 2.36 | 500.000 | 0.011 | 1.20 | 16.95846 |
| CO-5764 | MH-5733 | MH-5734 | 469.26 | 466.45 | 466.39 | 600.0 | 31 | 2.01 | 500.000 | 0.011 | 1.20 | 16.96988 |
| CO-5765 | MH-5734 | MH-5735 | 468.80 | 466.39 | 466.33 | 600.0 | 30 | 1.53 | 500.000 | 0.011 | 1.20 | 16.98130 |
| CO-5766 | MH-5735 | MH-5736 | 468.17 | 466.33 | 466.07 | 600.0 | 26 | 1.12 | 100.348 | 0.011 | 2.18 | 16.99273 |
| CO-5767 | MH-5736 | MH-5737 | 467.67 | 465.30 | 465.02 | 600.0 | 28 | 1.39 | 100.000 | 0.011 | 2.18 | 17.00415 |
| CO-5768 | MH-5737 | MH-5738 | 466.62 | 464.71 | 464.43 | 600.0 | 29 | 1.15 | 100.000 | 0.011 | 2.18 | 17.01557 |
| CO-5769 | MH-5738 | MH-5739 | 466.03 | 464.43 | 464.25 | 600.0 | 31 | 1.00 | 178.509 | 0.011 | 1.77 | 17.02699 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5770 | MH-5739 | MH-5740 | 465.85 | 464.25 | 464.19 | 600.0 | 32 | 1.06 | 500.000 | 0.011 | 1.20 | 17.03841 |
| CO-5771 | MH-5740 | OF-3 | 465.92 | 464.19 | 464.14 | 600.0 | 24 | 1.25 | 500.000 | 0.011 | 1.20 | 17.06125 |

Hydraulic Model Inventory: Zone X Part IV.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part IV) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 29-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 610 | Taps | 0 |
| -Circle | 610 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 2 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 610 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|-------|
| Circle - 150.0 mm | 13,898 m | Circle - 300.0 mm | 153 m |
| Circle - 170.0 mm | 1,007 m | Circle - 350.0 mm | 237 m |
| Circle - 200.0 mm | 528 m | Circle - 600.0 mm | 680 m |

Hydraulic Model Inventory: Zone X Part IV.stsw

| Circle Inventory | | | |
|-------------------|-------|--------------|----------|
| Circle - 250.0 mm | 253 m | Total Length | 16,756 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5563 | MH-5543 | MH-2871 | 471.00 | 469.85 | 469.79 | 150.0 | 31 | 1.15 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2871 | MH-2871 | MH-2872 | 471.25 | 469.79 | 469.73 | 150.0 | 30 | 1.48 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2872 | MH-2872 | MH-2873 | 471.53 | 469.73 | 469.47 | 150.0 | 30 | 1.83 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2873 | MH-2873 | MH-2874 | 471.62 | 469.47 | 469.30 | 150.0 | 25 | 2.05 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2874 | MH-2874 | MH-2875 | 471.54 | 469.30 | 469.10 | 150.0 | 35 | 2.04 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-2876 | MH-2875 | MH-2877 | 471.23 | 469.10 | 468.96 | 150.0 | 30 | 1.94 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-2877 | MH-2877 | MH-2878 | 471.00 | 468.96 | 468.83 | 150.0 | 30 | 1.72 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2878 | MH-2878 | MH-2879 | 470.52 | 468.83 | 468.69 | 150.0 | 37 | 1.43 | 260.226 | 0.010 | 0.45 | 0.111 |
| CO-2879 | MH-2879 | MH-2880 | 470.14 | 468.69 | 468.58 | 150.0 | 30 | 1.21 | 287.474 | 0.010 | 0.45 | 0.125 |
| CO-2880 | MH-2880 | MH-2881 | 469.84 | 468.58 | 468.34 | 150.0 | 30 | 1.09 | 127.233 | 0.010 | 0.62 | 0.139 |
| CO-2881 | MH-2881 | MH-2882 | 469.57 | 468.34 | 468.04 | 150.0 | 30 | 1.04 | 100.000 | 0.010 | 0.69 | 0.152 |
| CO-2882 | MH-2882 | MH-2883 | 469.19 | 468.01 | 467.69 | 150.0 | 32 | 1.01 | 100.000 | 0.010 | 0.71 | 0.166 |
| CO-2883 | MH-2883 | MH-2884 | 468.84 | 467.59 | 467.29 | 150.0 | 30 | 1.05 | 100.000 | 0.010 | 0.73 | 0.180 |
| CO-2884 | MH-2884 | MH-2885 | 468.44 | 467.19 | 466.91 | 150.0 | 28 | 1.05 | 100.000 | 0.010 | 0.74 | 0.194 |
| CO-2885 | MH-2885 | MH-2886 | 468.06 | 466.91 | 466.81 | 150.0 | 29 | 1.00 | 276.715 | 0.010 | 0.53 | 0.208 |
| CO-5607 | MH-5577 | MH-5582 | 471.60 | 470.45 | 470.21 | 150.0 | 30 | 1.00 | 127.149 | 0.010 | 0.31 | 0.014 |
| CO-5609 | MH-5582 | MH-5583 | 471.36 | 470.21 | 470.05 | 150.0 | 33 | 1.00 | 210.312 | 0.010 | 0.32 | 0.027 |
| CO-5611 | MH-5583 | MH-5584 | 471.20 | 470.05 | 469.81 | 150.0 | 27 | 1.06 | 111.604 | 0.010 | 0.45 | 0.041 |
| CO-5613 | MH-5584 | MH-5585 | 471.07 | 469.81 | 469.64 | 150.0 | 24 | 1.14 | 143.214 | 0.010 | 0.45 | 0.054 |
| CO-5615 | MH-5585 | MH-5586 | 470.96 | 469.64 | 469.46 | 150.0 | 32 | 1.17 | 172.836 | 0.010 | 0.45 | 0.068 |
| CO-5617 | MH-5586 | MH-5587 | 470.77 | 469.46 | 469.32 | 150.0 | 29 | 1.17 | 201.782 | 0.010 | 0.45 | 0.082 |
| CO-5619 | MH-5587 | MH-5588 | 470.65 | 469.32 | 469.23 | 150.0 | 20 | 1.18 | 227.933 | 0.010 | 0.45 | 0.095 |
| CO-5621 | MH-5588 | MH-5589 | 470.56 | 469.23 | 469.13 | 150.0 | 26 | 1.17 | 256.406 | 0.010 | 0.45 | 0.109 |
| CO-5622 | MH-5589 | MH-2858 | 470.44 | 469.13 | 469.02 | 150.0 | 29 | 1.15 | 281.273 | 0.010 | 0.45 | 0.122 |
| CO-2858 | MH-2858 | MH-2859 | 470.32 | 469.02 | 468.96 | 150.0 | 16 | 1.07 | 239.826 | 0.010 | 0.49 | 0.136 |
| CO-2859 | MH-2859 | MH-2860 | 470.11 | 468.96 | 468.80 | 150.0 | 17 | 1.07 | 108.616 | 0.010 | 0.67 | 0.150 |
| CO-2860 | MH-2860 | MH-2861 | 470.09 | 468.80 | 468.47 | 150.0 | 33 | 1.07 | 100.000 | 0.010 | 0.71 | 0.164 |
| CO-2861 | MH-2861 | MH-2862 | 469.62 | 468.25 | 467.96 | 150.0 | 29 | 1.11 | 100.000 | 0.010 | 0.72 | 0.178 |
| CO-2862 | MH-2862 | MH-2863 | 469.11 | 467.84 | 467.54 | 150.0 | 30 | 1.06 | 100.000 | 0.010 | 0.74 | 0.192 |
| CO-2863 | MH-2863 | MH-2864 | 468.69 | 467.42 | 467.10 | 150.0 | 33 | 1.06 | 100.000 | 0.010 | 0.75 | 0.206 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2864 | MH-2864 | MH-2865 | 468.25 | 467.10 | 466.93 | 150.0 | 19 | 1.00 | 115.348 | 0.010 | 0.73 | 0.219 |
| CO-5623 | MH-5578 | MH-5590 | 472.40 | 471.25 | 471.04 | 150.0 | 32 | 1.00 | 155.781 | 0.010 | 0.29 | 0.014 |
| CO-5625 | MH-5590 | MH-5591 | 472.19 | 471.04 | 470.83 | 150.0 | 33 | 1.00 | 155.781 | 0.010 | 0.35 | 0.027 |
| CO-5627 | MH-5591 | MH-5592 | 471.98 | 470.83 | 470.60 | 150.0 | 26 | 1.03 | 111.604 | 0.010 | 0.45 | 0.041 |
| CO-5629 | MH-5592 | MH-5593 | 471.81 | 470.60 | 470.44 | 150.0 | 22 | 1.07 | 143.214 | 0.010 | 0.45 | 0.054 |
| CO-5631 | MH-5593 | MH-5594 | 471.67 | 470.44 | 470.24 | 150.0 | 35 | 1.07 | 172.836 | 0.010 | 0.45 | 0.068 |
| CO-5633 | MH-5594 | MH-5595 | 471.45 | 470.24 | 470.10 | 150.0 | 28 | 1.04 | 201.782 | 0.010 | 0.45 | 0.082 |
| CO-5635 | MH-5595 | MH-5596 | 471.27 | 470.10 | 469.98 | 150.0 | 26 | 1.01 | 220.300 | 0.010 | 0.46 | 0.095 |
| CO-5636 | MH-5596 | MH-2838 | 471.13 | 469.98 | 469.73 | 150.0 | 34 | 1.00 | 136.879 | 0.010 | 0.56 | 0.109 |
| CO-2838 | MH-2838 | MH-2839 | 470.88 | 469.54 | 469.33 | 150.0 | 21 | 1.10 | 100.000 | 0.010 | 0.65 | 0.123 |
| CO-2839 | MH-2839 | MH-2840 | 470.48 | 469.33 | 469.10 | 150.0 | 31 | 1.00 | 129.444 | 0.010 | 0.61 | 0.137 |
| CO-2840 | MH-2840 | MH-2841 | 470.25 | 468.92 | 468.63 | 150.0 | 29 | 1.09 | 100.000 | 0.010 | 0.69 | 0.150 |
| CO-2841 | MH-2841 | MH-2842 | 469.78 | 468.52 | 468.23 | 150.0 | 29 | 1.06 | 100.000 | 0.010 | 0.71 | 0.164 |
| CO-2842 | MH-2842 | MH-2843 | 469.38 | 468.11 | 467.84 | 150.0 | 27 | 1.06 | 100.000 | 0.010 | 0.73 | 0.178 |
| CO-2843 | MH-2843 | MH-2844 | 468.99 | 467.74 | 467.49 | 150.0 | 25 | 1.05 | 100.000 | 0.010 | 0.74 | 0.192 |
| CO-2844 | MH-2844 | MH-2845 | 468.64 | 467.46 | 467.23 | 150.0 | 23 | 1.01 | 100.000 | 0.010 | 0.75 | 0.206 |
| CO-5637 | MH-5579 | MH-5597 | 472.85 | 471.70 | 471.48 | 150.0 | 30 | 1.00 | 132.974 | 0.010 | 0.30 | 0.014 |
| CO-5639 | MH-5597 | MH-5598 | 472.63 | 471.48 | 471.22 | 150.0 | 34 | 1.00 | 132.777 | 0.010 | 0.38 | 0.027 |
| CO-5641 | MH-5598 | MH-5599 | 472.37 | 471.22 | 470.99 | 150.0 | 26 | 1.02 | 111.604 | 0.010 | 0.45 | 0.041 |
| CO-5643 | MH-5599 | MH-5600 | 472.18 | 470.99 | 470.82 | 150.0 | 24 | 1.03 | 143.214 | 0.010 | 0.45 | 0.054 |
| CO-5645 | MH-5600 | MH-5601 | 471.99 | 470.82 | 470.60 | 150.0 | 33 | 1.01 | 147.510 | 0.010 | 0.48 | 0.068 |
| CO-5647 | MH-5601 | MH-5602 | 471.75 | 470.60 | 470.38 | 150.0 | 30 | 1.00 | 133.055 | 0.010 | 0.52 | 0.082 |
| CO-5649 | MH-5602 | MH-5603 | 471.53 | 470.38 | 470.20 | 150.0 | 24 | 1.00 | 133.055 | 0.010 | 0.55 | 0.095 |
| CO-5650 | MH-5603 | MH-2817 | 471.35 | 470.20 | 469.93 | 150.0 | 35 | 1.00 | 133.055 | 0.010 | 0.57 | 0.109 |
| CO-2817 | MH-2817 | MH-2818 | 471.08 | 469.78 | 469.50 | 150.0 | 28 | 1.08 | 100.000 | 0.010 | 0.65 | 0.123 |
| CO-2818 | MH-2818 | MH-2819 | 470.65 | 469.50 | 469.19 | 150.0 | 33 | 1.10 | 106.824 | 0.010 | 0.65 | 0.137 |
| CO-2819 | MH-2819 | MH-2820 | 470.54 | 469.19 | 468.88 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.69 | 0.150 |
| CO-2820 | MH-2820 | MH-2821 | 470.03 | 468.69 | 468.37 | 150.0 | 32 | 1.09 | 100.000 | 0.010 | 0.71 | 0.164 |
| CO-2821 | MH-2821 | MH-2822 | 469.52 | 468.37 | 468.13 | 150.0 | 25 | 1.00 | 101.163 | 0.010 | 0.72 | 0.178 |
| CO-2822 | MH-2822 | MH-2823 | 469.28 | 468.13 | 468.02 | 150.0 | 32 | 1.00 | 305.300 | 0.010 | 0.50 | 0.192 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5651 | MH-5580 | MH-5604 | 473.55 | 472.40 | 472.29 | 150.0 | 32 | 1.00 | 297.896 | 0.010 | 0.23 | 0.014 |
| CO-5653 | MH-5604 | MH-5605 | 473.44 | 472.29 | 472.16 | 150.0 | 29 | 1.00 | 221.481 | 0.010 | 0.31 | 0.027 |
| CO-5655 | MH-5605 | MH-5606 | 473.31 | 472.16 | 471.91 | 150.0 | 28 | 1.06 | 111.604 | 0.010 | 0.45 | 0.041 |
| CO-5656 | MH-5606 | MH-5581 | 473.19 | 471.91 | 471.70 | 150.0 | 30 | 1.16 | 143.214 | 0.010 | 0.45 | 0.054 |
| CO-5657 | MH-5581 | MH-5607 | 473.05 | 471.70 | 471.52 | 150.0 | 31 | 1.19 | 172.836 | 0.010 | 0.45 | 0.068 |
| CO-5658 | MH-5607 | MH-2794 | 472.85 | 471.52 | 471.37 | 150.0 | 30 | 1.16 | 201.782 | 0.010 | 0.45 | 0.082 |
| CO-2791 | MH-2791 | MH-2792 | 473.00 | 471.85 | 471.78 | 150.0 | 36 | 1.06 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2792 | MH-2792 | MH-2793 | 473.05 | 471.78 | 471.73 | 150.0 | 27 | 1.10 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2793 | MH-2793 | MH-2794 | 472.96 | 471.73 | 471.45 | 150.0 | 31 | 1.07 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2794 | MH-2794 | MH-2795 | 472.66 | 471.37 | 471.10 | 150.0 | 30 | 1.07 | 111.763 | 0.010 | 0.64 | 0.137 |
| CO-2802 | MH-2795 | MH-2803 | 472.25 | 471.10 | 470.99 | 150.0 | 29 | 1.01 | 262.385 | 0.010 | 0.49 | 0.151 |
| CO-2803 | MH-2803 | MH-2804 | 472.16 | 470.99 | 470.76 | 150.0 | 23 | 1.01 | 100.000 | 0.010 | 0.71 | 0.165 |
| CO-2804 | MH-2804 | MH-2805 | 471.91 | 470.59 | 470.29 | 150.0 | 30 | 1.09 | 100.000 | 0.010 | 0.73 | 0.179 |
| CO-2805 | MH-2805 | MH-2806 | 471.44 | 470.21 | 469.93 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.74 | 0.193 |
| CO-2806 | MH-2806 | MH-2807 | 471.08 | 469.93 | 469.72 | 150.0 | 30 | 1.00 | 144.749 | 0.010 | 0.66 | 0.206 |
| CO-2807 | MH-2807 | MH-2808 | 470.87 | 469.72 | 469.50 | 150.0 | 22 | 1.00 | 100.000 | 0.010 | 0.77 | 0.220 |
| CO-2808 | MH-2808 | MH-2809 | 470.65 | 469.32 | 469.05 | 150.0 | 27 | 1.09 | 100.000 | 0.010 | 0.78 | 0.234 |
| CO-2809 | MH-2809 | MH-2810 | 470.20 | 468.82 | 468.52 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.80 | 0.248 |
| CO-2810 | MH-2810 | MH-2811 | 469.67 | 468.50 | 468.25 | 150.0 | 26 | 1.01 | 100.000 | 0.010 | 0.81 | 0.262 |
| CO-2811 | MH-2811 | MH-2812 | 469.40 | 468.25 | 468.03 | 150.0 | 30 | 1.00 | 137.858 | 0.010 | 0.73 | 0.276 |
| CO-2777 | MH-2778 | MH-2779 | 469.82 | 468.53 | 468.32 | 150.0 | 21 | 1.07 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2778 | MH-2780 | MH-2781 | 469.49 | 468.34 | 468.29 | 150.0 | 22 | 1.00 | 447.210 | 0.010 | 0.20 | 0.014 |
| CO-2779 | MH-2781 | MH-2782 | 469.44 | 467.75 | 467.71 | 150.0 | 19 | 1.47 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2780 | MH-2782 | MH-2779 | 469.26 | 465.88 | 465.82 | 200.0 | 29 | 3.31 | 500.000 | 0.010 | 0.69 | 1.492 |
| CO-2781 | MH-2779 | MH-2783 | 469.47 | 465.82 | 465.78 | 200.0 | 23 | 3.39 | 500.000 | 0.010 | 0.69 | 1.520 |
| CO-2784 | MH-2783 | MH-2776 | 469.30 | 465.78 | 465.74 | 200.0 | 18 | 3.27 | 500.000 | 0.010 | 0.69 | 1.534 |
| CO-2772 | MH-2772 | MH-2773 | 470.87 | 469.66 | 469.29 | 150.0 | 37 | 1.03 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2773 | MH-2773 | MH-2774 | 470.44 | 469.00 | 468.67 | 150.0 | 33 | 1.15 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2774 | MH-2774 | MH-2775 | 469.82 | 468.66 | 468.28 | 150.0 | 37 | 1.00 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-2775 | MH-2775 | MH-2776 | 469.43 | 468.28 | 468.01 | 150.0 | 33 | 1.00 | 120.347 | 0.010 | 0.48 | 0.055 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5507 | MH-2776 | MH-2812 | 469.16 | 465.74 | 465.69 | 200.0 | 24 | 3.25 | 500.000 | 0.010 | 0.69 | 1.603 |
| CO-5508 | MH-2812 | MH-2823 | 469.18 | 465.64 | 465.59 | 250.0 | 24 | 3.31 | 500.000 | 0.010 | 0.75 | 1.893 |
| CO-5509 | MH-2823 | MH-2845 | 469.17 | 465.59 | 465.55 | 250.0 | 24 | 2.96 | 500.000 | 0.010 | 0.76 | 2.098 |
| CO-5510 | MH-2845 | MH-2865 | 468.38 | 465.55 | 465.49 | 250.0 | 26 | 2.46 | 500.000 | 0.010 | 0.78 | 2.318 |
| CO-5511 | MH-2865 | MH-2886 | 468.08 | 465.49 | 465.45 | 250.0 | 23 | 2.30 | 500.000 | 0.010 | 0.79 | 2.551 |
| CO-5512 | MH-2886 | OF-3 | 467.96 | 465.45 | 465.41 | 250.0 | 20 | 2.09 | 500.000 | 0.010 | 0.80 | 2.773 |
| CO-584 | MH-586 | MH-587 | 468.21 | 467.06 | 466.76 | 150.0 | 32 | 1.00 | 108.373 | 0.010 | 0.33 | 0.014 |
| CO-585 | MH-587 | MH-588 | 467.91 | 466.76 | 466.53 | 150.0 | 27 | 1.00 | 116.521 | 0.010 | 0.39 | 0.028 |
| CO-586 | MH-588 | MH-589 | 467.68 | 466.18 | 465.88 | 150.0 | 30 | 1.18 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-587 | MH-589 | MH-590 | 467.03 | 465.88 | 465.67 | 150.0 | 31 | 1.07 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-588 | MH-590 | MH-591 | 466.96 | 465.67 | 465.47 | 150.0 | 30 | 1.07 | 147.958 | 0.010 | 0.48 | 0.069 |
| CO-589 | MH-591 | MH-585 | 466.62 | 465.47 | 465.27 | 150.0 | 28 | 1.00 | 142.923 | 0.010 | 0.51 | 0.083 |
| CO-572 | MH-574 | MH-575 | 469.62 | 468.27 | 467.91 | 150.0 | 36 | 1.10 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-573 | MH-575 | MH-576 | 469.06 | 467.91 | 467.71 | 150.0 | 28 | 1.00 | 143.685 | 0.010 | 0.36 | 0.028 |
| CO-574 | MH-576 | MH-577 | 468.86 | 467.71 | 467.47 | 150.0 | 28 | 1.02 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-575 | MH-577 | MH-578 | 468.65 | 467.47 | 467.29 | 150.0 | 25 | 1.10 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-576 | MH-578 | MH-579 | 468.62 | 467.29 | 467.10 | 150.0 | 33 | 1.22 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-577 | MH-579 | MH-580 | 468.52 | 467.10 | 466.96 | 150.0 | 30 | 1.31 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-578 | MH-580 | MH-573 | 468.46 | 466.96 | 466.83 | 150.0 | 30 | 1.53 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-569 | MH-571 | MH-572 | 469.11 | 467.96 | 467.90 | 150.0 | 30 | 1.05 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-570 | MH-572 | MH-570 | 469.15 | 467.90 | 467.84 | 150.0 | 31 | 1.05 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-561 | MH-563 | MH-564 | 468.51 | 467.36 | 467.30 | 150.0 | 30 | 1.17 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-562 | MH-564 | MH-548 | 468.80 | 467.30 | 467.25 | 150.0 | 28 | 1.50 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-526 | MH-529 | MH-530 | 472.90 | 471.75 | 471.68 | 150.0 | 34 | 1.08 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-527 | MH-530 | MH-531 | 472.99 | 471.68 | 471.62 | 150.0 | 29 | 1.24 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-528 | MH-531 | MH-532 | 473.10 | 471.62 | 471.31 | 150.0 | 35 | 1.63 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-529 | MH-532 | MH-533 | 473.40 | 471.31 | 471.12 | 150.0 | 28 | 2.34 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-530 | MH-533 | MH-534 | 474.02 | 471.12 | 470.98 | 150.0 | 23 | 3.00 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-531 | MH-534 | MH-535 | 474.38 | 470.98 | 470.92 | 150.0 | 12 | 3.33 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-532 | MH-535 | MH-536 | 474.48 | 470.92 | 470.80 | 150.0 | 29 | 3.53 | 232.192 | 0.010 | 0.45 | 0.097 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-533 | MH-536 | MH-528 | 474.59 | 470.80 | 470.69 | 150.0 | 28 | 3.83 | 260.226 | 0.010 | 0.45 | 0.111 |
| CO-524 | MH-526 | MH-527 | 475.72 | 471.29 | 471.00 | 150.0 | 29 | 2.64 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-525 | MH-527 | MH-528 | 472.15 | 471.00 | 470.95 | 150.0 | 27 | 2.37 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-534 | MH-528 | MH-537 | 474.84 | 470.69 | 470.61 | 150.0 | 27 | 3.90 | 339.319 | 0.010 | 0.45 | 0.152 |
| CO-535 | MH-537 | MH-525 | 474.55 | 470.61 | 470.54 | 150.0 | 25 | 3.69 | 363.529 | 0.010 | 0.45 | 0.166 |
| CO-516 | MH-518 | MH-519 | 476.64 | 475.49 | 475.40 | 150.0 | 30 | 1.00 | 322.857 | 0.010 | 0.22 | 0.014 |
| CO-517 | MH-519 | MH-517 | 476.55 | 475.40 | 475.34 | 150.0 | 29 | 1.07 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-5588 | MH-5569 | MH-514 | 476.47 | 475.32 | 475.27 | 150.0 | 26 | 1.04 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-513 | MH-514 | MH-515 | 476.49 | 475.27 | 475.21 | 150.0 | 30 | 1.15 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-514 | MH-515 | MH-516 | 476.58 | 475.21 | 474.97 | 150.0 | 27 | 1.17 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-515 | MH-516 | MH-517 | 476.24 | 474.97 | 474.82 | 150.0 | 22 | 1.39 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-518 | MH-517 | MH-520 | 476.63 | 474.82 | 474.70 | 150.0 | 29 | 1.39 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-519 | MH-520 | MH-521 | 475.97 | 474.70 | 474.52 | 150.0 | 29 | 1.20 | 161.526 | 0.010 | 0.53 | 0.111 |
| CO-520 | MH-521 | MH-522 | 475.95 | 474.52 | 474.21 | 150.0 | 31 | 1.14 | 100.000 | 0.010 | 0.65 | 0.125 |
| CO-521 | MH-522 | MH-523 | 475.36 | 474.01 | 473.78 | 150.0 | 23 | 1.10 | 100.000 | 0.010 | 0.68 | 0.139 |
| CO-522 | MH-523 | MH-524 | 474.93 | 473.50 | 473.20 | 150.0 | 31 | 1.14 | 100.000 | 0.010 | 0.69 | 0.152 |
| CO-523 | MH-524 | MH-525 | 474.35 | 473.20 | 473.13 | 150.0 | 21 | 1.00 | 297.048 | 0.010 | 0.48 | 0.166 |
| CO-536 | MH-525 | MH-538 | 474.28 | 470.54 | 470.47 | 150.0 | 33 | 2.92 | 500.000 | 0.010 | 0.49 | 0.346 |
| CO-537 | MH-538 | MH-539 | 472.88 | 470.47 | 470.42 | 150.0 | 28 | 2.00 | 500.000 | 0.010 | 0.49 | 0.360 |
| CO-538 | MH-539 | MH-540 | 472.32 | 470.42 | 470.35 | 150.0 | 32 | 1.77 | 500.000 | 0.010 | 0.50 | 0.374 |
| CO-539 | MH-540 | MH-541 | 472.29 | 470.35 | 470.30 | 150.0 | 29 | 1.53 | 500.000 | 0.010 | 0.50 | 0.388 |
| CO-540 | MH-541 | MH-542 | 471.71 | 470.30 | 470.05 | 150.0 | 27 | 1.15 | 110.629 | 0.010 | 0.88 | 0.402 |
| CO-541 | MH-542 | MH-543 | 471.23 | 470.05 | 469.83 | 150.0 | 22 | 1.01 | 100.000 | 0.010 | 0.93 | 0.416 |
| CO-542 | MH-543 | MH-544 | 470.98 | 469.83 | 469.62 | 150.0 | 25 | 1.00 | 118.454 | 0.010 | 0.88 | 0.430 |
| CO-543 | MH-544 | MH-545 | 470.77 | 469.62 | 469.55 | 150.0 | 24 | 1.00 | 353.983 | 0.010 | 0.59 | 0.443 |
| CO-544 | MH-545 | MH-546 | 470.70 | 469.14 | 468.85 | 150.0 | 29 | 1.20 | 100.000 | 0.010 | 0.95 | 0.457 |
| CO-545 | MH-546 | MH-547 | 470.00 | 468.69 | 468.32 | 150.0 | 37 | 1.08 | 100.000 | 0.010 | 0.96 | 0.471 |
| CO-546 | MH-547 | MH-548 | 469.47 | 468.24 | 467.90 | 150.0 | 34 | 1.04 | 100.000 | 0.010 | 0.97 | 0.485 |
| CO-5592 | MH-5572 | MH-5573 | 469.17 | 468.02 | 467.97 | 150.0 | 27 | 1.12 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-5593 | MH-5573 | MH-548 | 469.36 | 467.97 | 467.90 | 150.0 | 25 | 1.12 | 380.682 | 0.010 | 0.26 | 0.028 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-560 | MH-548 | MH-557 | 469.05 | 467.25 | 467.20 | 150.0 | 21 | 2.22 | 500.000 | 0.010 | 0.55 | 0.554 |
| CO-555 | MH-558 | MH-559 | 473.15 | 472.00 | 471.85 | 150.0 | 30 | 1.00 | 201.168 | 0.010 | 0.27 | 0.014 |
| CO-556 | MH-559 | MH-560 | 473.00 | 471.85 | 471.59 | 150.0 | 30 | 1.10 | 117.234 | 0.010 | 0.39 | 0.028 |
| CO-557 | MH-560 | MH-561 | 472.95 | 471.59 | 471.30 | 150.0 | 29 | 1.10 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-558 | MH-561 | MH-562 | 472.45 | 470.69 | 470.40 | 150.0 | 29 | 1.31 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-559 | MH-562 | MH-557 | 471.55 | 469.28 | 468.98 | 150.0 | 30 | 1.56 | 100.000 | 0.010 | 0.55 | 0.069 |
| CO-547 | MH-549 | MH-550 | 473.62 | 472.21 | 471.90 | 150.0 | 31 | 1.13 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-548 | MH-550 | MH-551 | 473.05 | 471.70 | 471.42 | 150.0 | 28 | 1.10 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-549 | MH-551 | MH-552 | 472.57 | 471.17 | 470.86 | 150.0 | 31 | 1.13 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-550 | MH-552 | MH-553 | 472.01 | 470.60 | 470.30 | 150.0 | 30 | 1.13 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-551 | MH-553 | MH-554 | 471.45 | 470.01 | 469.71 | 150.0 | 30 | 1.14 | 100.000 | 0.010 | 0.55 | 0.069 |
| CO-552 | MH-554 | MH-555 | 470.86 | 469.46 | 469.25 | 150.0 | 21 | 1.13 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-553 | MH-555 | MH-556 | 470.40 | 469.25 | 469.15 | 150.0 | 24 | 1.09 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-554 | MH-556 | MH-557 | 470.49 | 469.15 | 468.98 | 150.0 | 30 | 1.09 | 176.938 | 0.010 | 0.52 | 0.111 |
| CO-563 | MH-557 | MH-565 | 470.13 | 467.20 | 467.04 | 150.0 | 27 | 2.87 | 170.000 | 0.010 | 0.89 | 0.748 |
| CO-564 | MH-565 | MH-566 | 470.15 | 467.04 | 466.88 | 150.0 | 27 | 2.87 | 170.000 | 0.010 | 0.89 | 0.762 |
| CO-565 | MH-566 | MH-567 | 469.81 | 466.88 | 466.71 | 150.0 | 29 | 2.86 | 170.000 | 0.010 | 0.90 | 0.776 |
| CO-566 | MH-567 | MH-568 | 469.80 | 466.71 | 466.53 | 150.0 | 30 | 3.04 | 170.000 | 0.010 | 0.90 | 0.790 |
| CO-567 | MH-568 | MH-569 | 469.83 | 466.53 | 466.35 | 150.0 | 30 | 2.95 | 170.000 | 0.010 | 0.90 | 0.804 |
| CO-568 | MH-569 | MH-570 | 469.25 | 466.35 | 466.23 | 150.0 | 21 | 2.68 | 170.000 | 0.010 | 0.91 | 0.818 |
| CO-571 | MH-570 | MH-573 | 468.99 | 466.21 | 466.17 | 170.0 | 20 | 2.48 | 500.000 | 0.010 | 0.61 | 0.859 |
| CO-579 | MH-573 | MH-581 | 468.69 | 466.17 | 466.02 | 170.0 | 26 | 2.27 | 170.000 | 0.010 | 0.95 | 0.970 |
| CO-580 | MH-581 | MH-582 | 468.39 | 466.02 | 465.89 | 170.0 | 31 | 1.66 | 238.335 | 0.010 | 0.84 | 0.984 |
| CO-581 | MH-582 | MH-583 | 467.18 | 465.89 | 465.58 | 170.0 | 31 | 1.06 | 100.000 | 0.010 | 1.16 | 0.998 |
| CO-582 | MH-583 | MH-584 | 466.75 | 465.58 | 465.42 | 170.0 | 20 | 1.00 | 122.760 | 0.010 | 1.08 | 1.012 |
| CO-583 | MH-584 | MH-585 | 466.59 | 465.42 | 465.25 | 170.0 | 20 | 1.00 | 113.477 | 0.010 | 1.12 | 1.025 |
| CO-590 | MH-585 | MH-592 | 466.42 | 465.22 | 465.10 | 200.0 | 29 | 1.07 | 237.199 | 0.010 | 0.87 | 1.122 |
| CO-591 | MH-592 | MH-593 | 466.43 | 465.10 | 464.91 | 200.0 | 19 | 1.07 | 100.000 | 0.010 | 1.20 | 1.136 |
| CO-1542 | MH-593 | MH-1543 | 466.11 | 464.14 | 464.09 | 600.0 | 30 | 1.88 | 600.000 | 0.011 | 1.13 | 17.782 |
| CO-1543 | MH-1543 | MH-1544 | 467.08 | 464.09 | 464.03 | 600.0 | 30 | 1.90 | 500.000 | 0.011 | 1.22 | 17.793 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-1544 | MH-1544 | MH-1545 | 466.03 | 464.03 | 463.97 | 600.0 | 29 | 2.06 | 500.000 | 0.011 | 1.22 | 17.803 |
| CO-1545 | MH-1545 | MH-1546 | 467.29 | 463.97 | 463.91 | 600.0 | 29 | 2.16 | 500.000 | 0.011 | 1.22 | 17.814 |
| CO-1546 | MH-1546 | MH-1547 | 466.12 | 463.91 | 463.85 | 600.0 | 30 | 1.61 | 500.000 | 0.011 | 1.22 | 17.824 |
| CO-1547 | MH-1547 | MH-1548 | 466.06 | 463.85 | 463.75 | 600.0 | 51 | 1.61 | 500.000 | 0.011 | 1.22 | 17.835 |
| CO-1548 | MH-1548 | MH-1549 | 465.97 | 463.75 | 463.73 | 600.0 | 11 | 2.45 | 500.000 | 0.011 | 1.22 | 17.845 |
| CO-1549 | MH-1549 | MH-1550 | 467.60 | 463.73 | 463.67 | 600.0 | 32 | 2.18 | 500.000 | 0.011 | 1.27 | 21.565 |
| CO-1550 | MH-1550 | MH-1551 | 465.35 | 463.67 | 463.65 | 600.0 | 10 | 1.15 | 500.000 | 0.011 | 1.27 | 21.575 |
| CO-1551 | MH-1551 | MH-513 | 465.47 | 463.65 | 463.60 | 600.0 | 23 | 1.14 | 500.000 | 0.011 | 1.27 | 21.586 |
| CO-1552 | MH-513 | MH-1552 | 465.26 | 463.60 | 463.32 | 600.0 | 34 | 1.05 | 121.489 | 0.011 | 2.17 | 21.596 |
| CO-5502 | MH-1552 | MH-5501 | 464.95 | 463.32 | 463.09 | 600.0 | 23 | 1.01 | 100.000 | 0.011 | 2.33 | 21.607 |
| CO-5503 | MH-5501 | MH-1553 | 464.69 | 463.09 | 463.00 | 600.0 | 49 | 1.27 | 500.000 | 0.011 | 1.27 | 21.617 |
| CO-1554 | MH-1553 | MH-1554 | 465.13 | 463.00 | 462.94 | 600.0 | 30 | 1.57 | 500.000 | 0.011 | 1.27 | 21.627 |
| CO-1563 | MH-1554 | MH-1563 | 465.15 | 462.94 | 462.63 | 600.0 | 30 | 1.31 | 100.882 | 0.011 | 2.32 | 21.638 |
| CO-1564 | MH-1563 | MH-1564 | 464.23 | 462.13 | 462.04 | 600.0 | 36 | 1.21 | 400.000 | 0.011 | 1.38 | 21.648 |
| CO-1565 | MH-1564 | MH-1565 | 463.56 | 462.04 | 461.97 | 600.0 | 30 | 1.05 | 400.000 | 0.011 | 1.38 | 21.659 |
| CO-1566 | MH-1565 | MH-1566 | 463.75 | 461.77 | 461.69 | 600.0 | 30 | 1.15 | 400.000 | 0.011 | 1.38 | 21.669 |
| CO-1567 | MH-1566 | MH-1567 | 463.21 | 461.69 | 461.62 | 600.0 | 29 | 0.99 | 400.000 | 0.011 | 1.38 | 21.680 |
| CO-5589 | MH-1567 | MH-5570 | 463.29 | 461.62 | 461.55 | 600.0 | 27 | 1.14 | 400.000 | 0.011 | 1.38 | 21.690 |
| CO-5590 | MH-5570 | MH-5571 | 463.36 | 461.54 | 461.47 | 600.0 | 28 | 1.07 | 400.000 | 0.011 | 1.39 | 21.701 |
| CO-5591 | MH-5571 | MH-1568 | 462.98 | 461.41 | 461.31 | 600.0 | 41 | 0.94 | 400.000 | 0.011 | 1.39 | 21.711 |
| CO-2037 | MH-2036 | MH-2037 | 465.15 | 463.95 | 463.63 | 150.0 | 32 | 1.02 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2038 | MH-2037 | MH-2038 | 464.78 | 463.48 | 463.18 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2039 | MH-2038 | MH-2039 | 464.33 | 463.18 | 462.92 | 150.0 | 30 | 1.08 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2040 | MH-2039 | MH-2040 | 464.24 | 462.92 | 462.71 | 150.0 | 30 | 1.21 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2041 | MH-2040 | MH-2041 | 464.12 | 462.71 | 462.50 | 150.0 | 27 | 1.24 | 129.152 | 0.010 | 0.50 | 0.069 |
| CO-2042 | MH-2041 | MH-2042 | 463.88 | 462.50 | 462.19 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-2043 | MH-2042 | MH-2043 | 463.34 | 462.19 | 462.08 | 150.0 | 27 | 1.00 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2044 | MH-2043 | MH-2044 | 463.23 | 462.08 | 461.93 | 150.0 | 31 | 1.00 | 219.033 | 0.010 | 0.48 | 0.111 |
| CO-2045 | MH-2044 | MH-2045 | 463.08 | 461.93 | 461.85 | 150.0 | 23 | 1.03 | 287.474 | 0.010 | 0.45 | 0.125 |
| CO-2046 | MH-2045 | MH-2046 | 463.07 | 461.85 | 461.76 | 150.0 | 30 | 1.13 | 311.501 | 0.010 | 0.45 | 0.139 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2047 | MH-2046 | MH-2047 | 463.10 | 461.76 | 461.67 | 150.0 | 29 | 1.12 | 339.319 | 0.010 | 0.45 | 0.152 |
| CO-2048 | MH-2047 | MH-2035 | 462.87 | 461.67 | 461.42 | 150.0 | 31 | 1.07 | 122.655 | 0.010 | 0.66 | 0.166 |
| CO-2032 | MH-2032 | MH-2033 | 463.45 | 462.30 | 462.16 | 150.0 | 29 | 1.00 | 217.963 | 0.010 | 0.26 | 0.014 |
| CO-2033 | MH-2033 | MH-2031 | 463.31 | 462.16 | 461.99 | 150.0 | 21 | 1.05 | 120.433 | 0.010 | 0.39 | 0.028 |
| CO-2029 | MH-2029 | MH-2030 | 463.89 | 462.74 | 462.50 | 150.0 | 23 | 1.00 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2030 | MH-2030 | MH-2028 | 463.65 | 462.50 | 462.29 | 150.0 | 31 | 1.00 | 144.668 | 0.010 | 0.36 | 0.028 |
| CO-2024 | MH-2024 | MH-2025 | 463.98 | 462.78 | 462.60 | 150.0 | 19 | 1.03 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2025 | MH-2025 | MH-2026 | 463.75 | 462.60 | 462.50 | 150.0 | 30 | 1.00 | 304.709 | 0.010 | 0.28 | 0.028 |
| CO-2026 | MH-2026 | MH-2027 | 463.65 | 462.50 | 462.24 | 150.0 | 29 | 1.07 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2027 | MH-2027 | MH-2023 | 463.54 | 462.24 | 462.09 | 150.0 | 22 | 1.17 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2021 | MH-2021 | MH-2022 | 464.00 | 462.85 | 462.61 | 150.0 | 31 | 1.00 | 131.825 | 0.010 | 0.30 | 0.014 |
| CO-2022 | MH-2022 | MH-2020 | 463.76 | 462.61 | 462.44 | 150.0 | 28 | 1.00 | 162.871 | 0.010 | 0.35 | 0.028 |
| CO-2018 | MH-2018 | MH-2019 | 464.15 | 463.00 | 462.71 | 150.0 | 30 | 1.00 | 102.933 | 0.010 | 0.33 | 0.014 |
| CO-2019 | MH-2019 | MH-2017 | 463.86 | 462.71 | 462.64 | 150.0 | 26 | 1.00 | 389.492 | 0.010 | 0.26 | 0.028 |
| CO-2013 | MH-2012 | MH-2013 | 465.10 | 463.91 | 463.61 | 150.0 | 30 | 1.02 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2014 | MH-2013 | MH-2014 | 464.76 | 463.17 | 462.94 | 150.0 | 24 | 1.22 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2015 | MH-2014 | MH-2015 | 464.09 | 462.94 | 462.67 | 150.0 | 30 | 1.14 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2016 | MH-2015 | MH-2016 | 464.09 | 462.67 | 462.47 | 150.0 | 29 | 1.24 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2017 | MH-2016 | MH-2017 | 463.84 | 462.47 | 462.34 | 150.0 | 23 | 1.26 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-2020 | MH-2017 | MH-2020 | 463.79 | 462.34 | 462.25 | 150.0 | 24 | 1.24 | 260.226 | 0.010 | 0.45 | 0.111 |
| CO-2023 | MH-2020 | MH-2023 | 463.59 | 462.25 | 462.09 | 150.0 | 32 | 1.19 | 197.087 | 0.010 | 0.55 | 0.152 |
| CO-2028 | MH-2023 | MH-2028 | 463.43 | 462.09 | 462.04 | 150.0 | 23 | 1.22 | 454.200 | 0.010 | 0.45 | 0.222 |
| CO-2031 | MH-2028 | MH-2031 | 463.44 | 462.04 | 461.99 | 150.0 | 27 | 1.17 | 500.000 | 0.010 | 0.46 | 0.263 |
| CO-2034 | MH-2031 | MH-2034 | 463.24 | 461.99 | 461.94 | 150.0 | 19 | 1.05 | 454.052 | 0.010 | 0.49 | 0.305 |
| CO-2035 | MH-2034 | MH-2011 | 463.09 | 461.94 | 461.79 | 150.0 | 20 | 1.00 | 128.640 | 0.010 | 0.78 | 0.319 |
| CO-2007 | MH-2006 | MH-2007 | 463.76 | 462.61 | 462.54 | 150.0 | 16 | 1.00 | 214.834 | 0.010 | 0.26 | 0.014 |
| CO-2008 | MH-2007 | MH-2008 | 463.69 | 462.54 | 462.40 | 150.0 | 20 | 1.00 | 145.573 | 0.010 | 0.36 | 0.028 |
| CO-2009 | MH-2008 | MH-2009 | 463.55 | 462.40 | 462.19 | 150.0 | 25 | 1.10 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2010 | MH-2009 | MH-2005 | 463.54 | 462.19 | 461.99 | 150.0 | 29 | 1.13 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2002 | MH-2000 | MH-2001 | 463.97 | 462.82 | 462.78 | 150.0 | 19 | 1.06 | 500.000 | 0.010 | 0.19 | 0.014 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2003 | MH-2001 | MH-2002 | 464.05 | 462.78 | 462.67 | 150.0 | 20 | 1.06 | 184.674 | 0.010 | 0.34 | 0.028 |
| CO-2004 | MH-2002 | MH-2003 | 463.82 | 462.67 | 462.42 | 150.0 | 26 | 1.12 | 107.590 | 0.010 | 0.46 | 0.042 |
| CO-2005 | MH-2003 | MH-2004 | 463.81 | 462.42 | 462.19 | 150.0 | 23 | 1.12 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-2006 | MH-2004 | MH-2005 | 463.34 | 462.19 | 461.99 | 150.0 | 23 | 1.02 | 113.937 | 0.010 | 0.52 | 0.069 |
| CO-2011 | MH-2005 | MH-2010 | 463.19 | 461.99 | 461.57 | 150.0 | 42 | 1.02 | 100.477 | 0.010 | 0.67 | 0.139 |
| CO-2012 | MH-2010 | MH-2011 | 462.72 | 461.57 | 461.47 | 150.0 | 34 | 1.16 | 339.319 | 0.010 | 0.45 | 0.152 |
| CO-2036 | MH-2011 | MH-2035 | 462.94 | 461.47 | 461.42 | 150.0 | 25 | 1.21 | 500.000 | 0.010 | 0.53 | 0.485 |
| CO-2049 | MH-2035 | MH-2048 | 462.67 | 461.42 | 461.37 | 150.0 | 27 | 1.16 | 500.000 | 0.010 | 0.56 | 0.665 |
| CO-2050 | MH-2048 | MH-1568 | 462.74 | 461.37 | 461.32 | 150.0 | 24 | 1.29 | 500.000 | 0.010 | 0.57 | 0.679 |
| CO-2501 | MH-2500 | MH-2501 | 466.47 | 465.28 | 464.99 | 150.0 | 29 | 1.02 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2502 | MH-2501 | MH-2499 | 466.14 | 464.99 | 464.70 | 150.0 | 30 | 1.00 | 104.645 | 0.010 | 0.41 | 0.028 |
| CO-2498 | MH-2497 | MH-2498 | 466.89 | 465.74 | 465.53 | 150.0 | 30 | 1.00 | 144.152 | 0.010 | 0.30 | 0.014 |
| CO-2499 | MH-2498 | MH-2496 | 466.68 | 465.42 | 465.15 | 150.0 | 27 | 1.05 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2494 | MH-2493 | MH-2494 | 467.47 | 466.32 | 466.06 | 150.0 | 30 | 1.00 | 118.730 | 0.010 | 0.32 | 0.014 |
| CO-2495 | MH-2494 | MH-2492 | 467.21 | 466.06 | 465.93 | 150.0 | 27 | 1.07 | 209.469 | 0.010 | 0.32 | 0.028 |
| CO-2490 | MH-2488 | MH-2489 | 467.31 | 466.16 | 466.11 | 150.0 | 24 | 1.05 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2491 | MH-2490 | MH-2491 | 468.04 | 466.89 | 466.62 | 150.0 | 33 | 1.00 | 125.769 | 0.010 | 0.31 | 0.014 |
| CO-2492 | MH-2491 | MH-2489 | 467.77 | 466.52 | 466.22 | 150.0 | 30 | 1.05 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2493 | MH-2489 | MH-2492 | 467.37 | 466.11 | 465.93 | 150.0 | 25 | 1.13 | 140.892 | 0.010 | 0.46 | 0.055 |
| CO-2496 | MH-2492 | MH-2495 | 467.23 | 465.93 | 465.61 | 150.0 | 32 | 1.07 | 100.000 | 0.010 | 0.61 | 0.097 |
| CO-2497 | MH-2495 | MH-2496 | 466.76 | 465.44 | 465.15 | 150.0 | 28 | 1.09 | 100.000 | 0.010 | 0.63 | 0.111 |
| CO-2500 | MH-2496 | MH-2499 | 466.30 | 464.94 | 464.70 | 150.0 | 23 | 1.11 | 100.000 | 0.010 | 0.69 | 0.152 |
| CO-2503 | MH-2499 | MH-2502 | 465.85 | 464.47 | 464.22 | 150.0 | 25 | 1.12 | 100.000 | 0.010 | 0.74 | 0.194 |
| CO-2504 | MH-2502 | MH-2487 | 465.37 | 463.89 | 463.64 | 150.0 | 24 | 1.17 | 100.000 | 0.010 | 0.76 | 0.208 |
| CO-5586 | MH-5567 | MH-5568 | 466.39 | 465.24 | 465.03 | 150.0 | 29 | 1.00 | 134.912 | 0.010 | 0.30 | 0.014 |
| CO-5587 | MH-5568 | MH-2476 | 466.18 | 465.03 | 464.83 | 150.0 | 30 | 1.00 | 152.097 | 0.010 | 0.36 | 0.028 |
| CO-2478 | MH-2476 | MH-2477 | 465.98 | 464.83 | 464.55 | 150.0 | 31 | 1.04 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2479 | MH-2477 | MH-2475 | 465.78 | 464.55 | 464.28 | 150.0 | 29 | 1.04 | 104.758 | 0.010 | 0.51 | 0.055 |
| CO-2464 | MH-2462 | MH-2461 | 467.24 | 465.83 | 465.48 | 150.0 | 35 | 1.13 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2462 | MH-2460 | MH-2459 | 467.43 | 466.11 | 465.74 | 150.0 | 37 | 1.09 | 100.000 | 0.010 | 0.34 | 0.014 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2457 | MH-2455 | MH-2456 | 469.03 | 467.75 | 467.43 | 150.0 | 33 | 1.06 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2458 | MH-2456 | MH-2457 | 468.58 | 467.16 | 466.84 | 150.0 | 31 | 1.14 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2459 | MH-2457 | MH-2458 | 467.99 | 466.84 | 466.56 | 150.0 | 33 | 1.08 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2460 | MH-2458 | MH-2454 | 467.87 | 466.44 | 466.05 | 150.0 | 39 | 1.14 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-2453 | MH-2450 | MH-2451 | 468.04 | 466.23 | 465.94 | 150.0 | 30 | 1.33 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2454 | MH-2451 | MH-2452 | 467.09 | 465.94 | 465.88 | 150.0 | 30 | 1.05 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2455 | MH-2452 | MH-2453 | 467.12 | 465.88 | 465.51 | 150.0 | 41 | 1.31 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2456 | MH-2453 | MH-2454 | 467.18 | 465.51 | 465.29 | 150.0 | 33 | 1.64 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2461 | MH-2454 | MH-2459 | 467.20 | 465.29 | 465.18 | 150.0 | 30 | 1.66 | 287.474 | 0.010 | 0.45 | 0.125 |
| CO-2463 | MH-2459 | MH-2461 | 466.89 | 465.18 | 465.12 | 150.0 | 23 | 1.46 | 339.319 | 0.010 | 0.45 | 0.152 |
| CO-2465 | MH-2461 | MH-2463 | 466.63 | 465.12 | 465.04 | 150.0 | 27 | 1.35 | 383.249 | 0.010 | 0.45 | 0.180 |
| CO-2473 | MH-2472 | MH-2473 | 468.05 | 466.90 | 466.68 | 150.0 | 27 | 1.00 | 126.426 | 0.010 | 0.31 | 0.014 |
| CO-2474 | MH-2473 | MH-2471 | 467.83 | 466.68 | 466.59 | 150.0 | 31 | 1.00 | 328.945 | 0.010 | 0.27 | 0.028 |
| CO-2470 | MH-2469 | MH-2470 | 468.48 | 467.33 | 467.26 | 150.0 | 30 | 1.00 | 429.435 | 0.010 | 0.20 | 0.014 |
| CO-2471 | MH-2470 | MH-2468 | 468.41 | 467.26 | 467.12 | 150.0 | 28 | 1.00 | 206.046 | 0.010 | 0.32 | 0.028 |
| CO-2468 | MH-2467 | MH-2466 | 468.89 | 467.74 | 467.58 | 150.0 | 18 | 1.00 | 113.993 | 0.010 | 0.32 | 0.014 |
| CO-2466 | MH-2464 | MH-2465 | 469.27 | 467.95 | 467.65 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2467 | MH-2465 | MH-2466 | 468.80 | 467.65 | 467.58 | 150.0 | 28 | 1.00 | 397.286 | 0.010 | 0.26 | 0.028 |
| CO-2469 | MH-2466 | MH-2468 | 468.73 | 467.36 | 467.12 | 150.0 | 23 | 1.11 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-2472 | MH-2468 | MH-2471 | 468.27 | 466.89 | 466.59 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.61 | 0.097 |
| CO-2475 | MH-2471 | MH-2474 | 467.74 | 466.36 | 465.97 | 150.0 | 39 | 1.11 | 100.000 | 0.010 | 0.68 | 0.139 |
| CO-2476 | MH-2474 | MH-2463 | 467.12 | 465.70 | 465.37 | 150.0 | 33 | 1.14 | 100.000 | 0.010 | 0.69 | 0.152 |
| CO-2477 | MH-2463 | MH-2475 | 466.52 | 464.56 | 464.28 | 150.0 | 28 | 1.41 | 100.000 | 0.010 | 0.88 | 0.346 |
| CO-2480 | MH-2475 | MH-2478 | 465.43 | 463.78 | 463.60 | 150.0 | 18 | 1.25 | 100.000 | 0.010 | 0.93 | 0.416 |
| CO-2481 | MH-2478 | MH-2479 | 464.75 | 463.60 | 463.54 | 150.0 | 27 | 1.06 | 500.000 | 0.010 | 0.52 | 0.430 |
| CO-2482 | MH-2480 | MH-2481 | 468.33 | 466.79 | 466.40 | 150.0 | 39 | 1.20 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2483 | MH-2481 | MH-2482 | 467.55 | 466.30 | 466.02 | 150.0 | 29 | 1.05 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2484 | MH-2482 | MH-2483 | 467.17 | 466.01 | 465.74 | 150.0 | 27 | 1.00 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-2485 | MH-2483 | MH-2484 | 466.89 | 465.43 | 465.10 | 150.0 | 33 | 1.15 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-2486 | MH-2484 | MH-2485 | 466.25 | 464.77 | 464.49 | 150.0 | 29 | 1.16 | 100.000 | 0.010 | 0.55 | 0.069 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2487 | MH-2485 | MH-2479 | 465.64 | 463.90 | 463.67 | 150.0 | 23 | 1.29 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-2488 | MH-2479 | MH-2486 | 464.82 | 463.54 | 463.47 | 150.0 | 38 | 1.09 | 500.000 | 0.010 | 0.54 | 0.527 |
| CO-2489 | MH-2486 | MH-2487 | 464.67 | 463.47 | 463.39 | 150.0 | 38 | 1.15 | 500.000 | 0.010 | 0.54 | 0.540 |
| CO-2505 | MH-2487 | MH-2503 | 464.79 | 463.37 | 463.31 | 170.0 | 32 | 1.22 | 500.000 | 0.010 | 0.59 | 0.762 |
| CO-3130 | MH-3130 | MH-3129 | 466.21 | 465.06 | 464.90 | 150.0 | 18 | 1.00 | 115.098 | 0.010 | 0.32 | 0.014 |
| CO-2518 | MH-2518 | MH-2519 | 473.09 | 471.94 | 471.71 | 150.0 | 26 | 1.00 | 112.737 | 0.010 | 0.32 | 0.014 |
| CO-2519 | MH-2519 | MH-2517 | 472.86 | 471.46 | 471.15 | 150.0 | 30 | 1.13 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2995 | MH-2998 | MH-2995 | 477.00 | 475.56 | 475.16 | 150.0 | 40 | 1.15 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-5552 | MH-5538 | MH-2977 | 479.37 | 478.22 | 478.16 | 150.0 | 26 | 1.07 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2974 | MH-2977 | MH-2979 | 479.46 | 478.16 | 478.11 | 150.0 | 29 | 1.15 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2975 | MH-2979 | MH-2980 | 479.41 | 478.11 | 477.88 | 150.0 | 25 | 1.14 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2976 | MH-2980 | MH-2981 | 479.15 | 477.88 | 477.66 | 150.0 | 29 | 1.06 | 131.263 | 0.010 | 0.47 | 0.055 |
| CO-2977 | MH-2981 | MH-2982 | 478.81 | 477.59 | 477.34 | 150.0 | 25 | 1.04 | 100.000 | 0.010 | 0.55 | 0.069 |
| CO-2978 | MH-2982 | MH-2975 | 478.49 | 477.34 | 477.15 | 150.0 | 20 | 1.05 | 108.154 | 0.010 | 0.56 | 0.083 |
| CO-2969 | MH-2973 | MH-2974 | 479.32 | 478.05 | 477.79 | 150.0 | 26 | 1.06 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2970 | MH-2974 | MH-2972 | 478.94 | 477.56 | 477.20 | 150.0 | 36 | 1.12 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2963 | MH-2967 | MH-2968 | 479.10 | 477.95 | 477.89 | 150.0 | 31 | 1.02 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2964 | MH-2968 | MH-2966 | 479.08 | 477.89 | 477.74 | 150.0 | 21 | 1.02 | 135.682 | 0.010 | 0.38 | 0.028 |
| CO-5551 | MH-5537 | MH-2958 | 479.08 | 477.93 | 477.81 | 150.0 | 26 | 1.00 | 215.166 | 0.010 | 0.26 | 0.014 |
| CO-2955 | MH-2958 | MH-2959 | 478.96 | 477.81 | 477.64 | 150.0 | 26 | 1.00 | 151.056 | 0.010 | 0.36 | 0.028 |
| CO-2956 | MH-2959 | MH-2960 | 478.79 | 477.64 | 477.37 | 150.0 | 30 | 1.18 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2959 | MH-2963 | MH-2964 | 479.63 | 478.38 | 478.18 | 150.0 | 20 | 1.05 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2960 | MH-2964 | MH-2965 | 479.33 | 478.18 | 478.00 | 150.0 | 24 | 1.02 | 133.159 | 0.010 | 0.38 | 0.028 |
| CO-2961 | MH-2965 | MH-2960 | 479.20 | 478.00 | 477.74 | 150.0 | 26 | 1.02 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-2962 | MH-2960 | MH-2966 | 478.89 | 477.37 | 477.31 | 150.0 | 15 | 1.40 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2965 | MH-2966 | MH-2969 | 478.89 | 477.31 | 477.26 | 150.0 | 15 | 1.35 | 311.501 | 0.010 | 0.45 | 0.139 |
| CO-2966 | MH-2970 | MH-2971 | 478.76 | 477.61 | 477.58 | 150.0 | 18 | 1.00 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2967 | MH-2971 | MH-2969 | 478.73 | 477.58 | 477.52 | 150.0 | 20 | 1.00 | 354.081 | 0.010 | 0.27 | 0.028 |
| CO-2968 | MH-2969 | MH-2972 | 478.67 | 477.26 | 477.20 | 150.0 | 16 | 1.13 | 274.490 | 0.010 | 0.51 | 0.180 |
| CO-2971 | MH-2972 | MH-2975 | 478.35 | 477.20 | 477.15 | 150.0 | 23 | 1.05 | 454.200 | 0.010 | 0.45 | 0.222 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2979 | MH-2975 | MH-2983 | 478.40 | 477.15 | 477.02 | 150.0 | 24 | 1.05 | 183.547 | 0.010 | 0.69 | 0.319 |
| CO-2980 | MH-2983 | MH-2984 | 478.17 | 477.02 | 476.73 | 150.0 | 30 | 1.00 | 105.258 | 0.010 | 0.85 | 0.333 |
| CO-2981 | MH-2984 | MH-2985 | 477.88 | 476.51 | 476.27 | 150.0 | 24 | 1.11 | 100.000 | 0.010 | 0.88 | 0.346 |
| CO-2982 | MH-2985 | MH-2986 | 477.42 | 476.27 | 475.97 | 150.0 | 30 | 1.00 | 100.000 | 0.010 | 0.89 | 0.360 |
| CO-2983 | MH-2986 | MH-2987 | 477.12 | 475.89 | 475.58 | 150.0 | 31 | 1.04 | 100.000 | 0.010 | 0.90 | 0.374 |
| CO-2984 | MH-2987 | MH-2988 | 476.73 | 475.58 | 475.52 | 150.0 | 29 | 1.19 | 500.000 | 0.010 | 0.50 | 0.388 |
| CO-2985 | MH-2988 | MH-2989 | 477.05 | 475.52 | 475.45 | 150.0 | 35 | 1.45 | 500.000 | 0.010 | 0.51 | 0.402 |
| CO-2986 | MH-2989 | MH-2990 | 477.13 | 475.45 | 475.39 | 150.0 | 32 | 1.38 | 500.000 | 0.010 | 0.51 | 0.416 |
| CO-2989 | MH-2990 | MH-2993 | 476.78 | 475.39 | 475.33 | 150.0 | 30 | 1.17 | 500.000 | 0.010 | 0.52 | 0.430 |
| CO-2990 | MH-2993 | MH-2994 | 476.58 | 475.33 | 475.27 | 150.0 | 29 | 1.11 | 500.000 | 0.010 | 0.52 | 0.443 |
| CO-2991 | MH-2994 | MH-2957 | 476.53 | 475.27 | 475.15 | 150.0 | 26 | 1.05 | 211.084 | 0.010 | 0.72 | 0.457 |
| CO-5549 | MH-5535 | MH-2940 | 480.31 | 479.16 | 478.99 | 150.0 | 36 | 1.00 | 213.496 | 0.010 | 0.26 | 0.014 |
| CO-2937 | MH-2940 | MH-2941 | 480.14 | 478.99 | 478.70 | 150.0 | 33 | 1.00 | 111.571 | 0.010 | 0.40 | 0.028 |
| CO-2938 | MH-2941 | MH-2942 | 479.85 | 478.70 | 478.45 | 150.0 | 28 | 1.05 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2939 | MH-2942 | MH-2943 | 479.69 | 478.45 | 478.16 | 150.0 | 29 | 1.07 | 101.630 | 0.010 | 0.51 | 0.055 |
| CO-2940 | MH-2943 | MH-2944 | 479.35 | 478.16 | 477.88 | 150.0 | 28 | 1.02 | 100.000 | 0.010 | 0.55 | 0.069 |
| CO-2941 | MH-2944 | MH-2945 | 479.03 | 477.75 | 477.43 | 150.0 | 31 | 1.07 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-2942 | MH-2945 | MH-2939 | 478.58 | 477.12 | 476.83 | 150.0 | 29 | 1.16 | 100.000 | 0.010 | 0.61 | 0.097 |
| CO-5550 | MH-5536 | MH-2933 | 480.41 | 479.16 | 478.81 | 150.0 | 35 | 1.05 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2931 | MH-2933 | MH-2934 | 479.96 | 478.77 | 478.50 | 150.0 | 27 | 1.02 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2932 | MH-2934 | MH-2935 | 479.65 | 478.39 | 478.05 | 150.0 | 34 | 1.05 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-2933 | MH-2935 | MH-2936 | 479.20 | 478.05 | 477.85 | 150.0 | 28 | 1.01 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2934 | MH-2936 | MH-2937 | 479.03 | 477.85 | 477.65 | 150.0 | 31 | 1.01 | 150.088 | 0.010 | 0.48 | 0.069 |
| CO-2935 | MH-2937 | MH-2938 | 478.80 | 477.06 | 476.77 | 150.0 | 29 | 1.29 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-2936 | MH-2938 | MH-2939 | 477.92 | 476.77 | 476.61 | 150.0 | 36 | 1.11 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2943 | MH-2939 | MH-2946 | 477.98 | 476.61 | 476.55 | 150.0 | 28 | 1.21 | 432.418 | 0.010 | 0.45 | 0.208 |
| CO-2944 | MH-2946 | MH-2947 | 477.90 | 476.55 | 476.29 | 150.0 | 31 | 1.10 | 119.273 | 0.010 | 0.73 | 0.222 |
| CO-2945 | MH-2947 | MH-2948 | 477.44 | 476.29 | 476.23 | 150.0 | 28 | 1.04 | 475.219 | 0.010 | 0.45 | 0.236 |
| CO-2946 | MH-2948 | MH-2949 | 477.46 | 476.23 | 476.17 | 150.0 | 29 | 1.21 | 495.692 | 0.010 | 0.45 | 0.249 |
| CO-2947 | MH-2949 | MH-2950 | 477.65 | 476.17 | 476.12 | 150.0 | 23 | 1.39 | 500.000 | 0.010 | 0.46 | 0.263 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2948 | MH-2950 | MH-2951 | 477.73 | 476.12 | 476.07 | 150.0 | 26 | 1.45 | 500.000 | 0.010 | 0.46 | 0.277 |
| CO-2949 | MH-2951 | MH-2952 | 477.66 | 476.07 | 476.02 | 150.0 | 23 | 1.37 | 500.000 | 0.010 | 0.47 | 0.291 |
| CO-2950 | MH-2952 | MH-2953 | 477.49 | 476.02 | 475.97 | 150.0 | 28 | 1.26 | 500.000 | 0.010 | 0.47 | 0.305 |
| CO-2951 | MH-2953 | MH-2954 | 477.33 | 475.97 | 475.76 | 150.0 | 23 | 1.19 | 112.814 | 0.010 | 0.82 | 0.319 |
| CO-2952 | MH-2954 | MH-2955 | 477.08 | 475.76 | 475.51 | 150.0 | 25 | 1.08 | 100.000 | 0.010 | 0.87 | 0.333 |
| CO-2953 | MH-2955 | MH-2956 | 476.66 | 475.51 | 475.29 | 150.0 | 22 | 1.00 | 100.802 | 0.010 | 0.87 | 0.346 |
| CO-2954 | MH-2956 | MH-2957 | 476.44 | 475.29 | 475.15 | 150.0 | 24 | 1.00 | 167.238 | 0.010 | 0.74 | 0.360 |
| CO-2992 | MH-2957 | MH-2995 | 476.30 | 475.13 | 474.96 | 170.0 | 26 | 1.09 | 156.587 | 0.010 | 0.94 | 0.831 |
| CO-2996 | MH-2995 | MH-2999 | 476.31 | 474.96 | 474.58 | 170.0 | 38 | 1.09 | 100.000 | 0.010 | 1.12 | 0.859 |
| CO-2997 | MH-2999 | MH-3000 | 475.75 | 474.58 | 474.26 | 170.0 | 36 | 1.00 | 110.620 | 0.010 | 1.08 | 0.873 |
| CO-2998 | MH-3000 | MH-3001 | 475.43 | 474.26 | 474.06 | 170.0 | 29 | 1.00 | 147.148 | 0.010 | 0.98 | 0.887 |
| CO-5553 | MH-5539 | MH-5540 | 477.23 | 476.04 | 475.87 | 150.0 | 17 | 1.02 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-5554 | MH-5540 | MH-3002 | 477.02 | 475.77 | 475.50 | 150.0 | 27 | 1.05 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2999 | MH-3002 | MH-3003 | 476.65 | 475.50 | 475.26 | 150.0 | 27 | 1.00 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-3000 | MH-3003 | MH-3004 | 476.42 | 475.05 | 474.75 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-3001 | MH-3004 | MH-3005 | 475.90 | 474.75 | 474.51 | 150.0 | 31 | 1.00 | 127.804 | 0.010 | 0.50 | 0.069 |
| CO-3002 | MH-3005 | MH-3006 | 475.66 | 474.51 | 474.33 | 150.0 | 37 | 1.22 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-3003 | MH-3006 | MH-3001 | 475.92 | 474.33 | 474.08 | 150.0 | 34 | 1.22 | 135.841 | 0.010 | 0.54 | 0.097 |
| CO-3004 | MH-3001 | MH-3007 | 475.23 | 474.06 | 474.00 | 170.0 | 30 | 1.22 | 500.000 | 0.010 | 0.62 | 0.998 |
| CO-3005 | MH-3007 | MH-3008 | 475.61 | 474.00 | 473.94 | 170.0 | 31 | 1.37 | 500.000 | 0.010 | 0.62 | 1.012 |
| CO-3006 | MH-3008 | MH-3009 | 475.40 | 473.94 | 473.88 | 170.0 | 30 | 1.19 | 500.000 | 0.010 | 0.62 | 1.025 |
| CO-3007 | MH-3009 | MH-3010 | 475.13 | 473.88 | 473.75 | 170.0 | 24 | 1.04 | 199.141 | 0.010 | 0.91 | 1.039 |
| CO-3008 | MH-3010 | MH-3011 | 474.92 | 473.51 | 473.29 | 170.0 | 22 | 1.12 | 100.000 | 0.010 | 1.18 | 1.053 |
| CO-3009 | MH-3011 | MH-3012 | 474.46 | 473.07 | 472.86 | 170.0 | 22 | 1.11 | 100.000 | 0.010 | 1.18 | 1.067 |
| CO-3010 | MH-3012 | MH-3013 | 474.03 | 472.86 | 472.73 | 170.0 | 29 | 1.00 | 224.469 | 0.010 | 0.87 | 1.081 |
| CO-3011 | MH-3013 | MH-3014 | 473.90 | 472.73 | 472.61 | 170.0 | 26 | 1.00 | 222.181 | 0.010 | 0.88 | 1.095 |
| CO-5594 | MH-3014 | MH-2512 | 473.78 | 472.61 | 472.37 | 170.0 | 42 | 1.00 | 173.471 | 0.010 | 0.97 | 1.109 |
| CO-2513 | MH-2512 | MH-2513 | 473.54 | 472.37 | 472.18 | 170.0 | 23 | 1.00 | 120.825 | 0.010 | 1.12 | 1.122 |
| CO-2514 | MH-2513 | MH-2514 | 473.35 | 472.18 | 471.95 | 170.0 | 25 | 1.00 | 111.138 | 0.010 | 1.16 | 1.136 |
| CO-2515 | MH-2514 | MH-2515 | 473.12 | 471.80 | 471.48 | 170.0 | 32 | 1.08 | 100.000 | 0.010 | 1.21 | 1.150 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2517 | MH-2515 | MH-2517 | 472.65 | 471.34 | 471.13 | 170.0 | 20 | 1.07 | 100.000 | 0.010 | 1.21 | 1.164 |
| CO-2520 | MH-2517 | MH-2520 | 472.30 | 471.13 | 470.94 | 170.0 | 32 | 1.00 | 168.716 | 0.010 | 1.00 | 1.206 |
| CO-2521 | MH-2520 | MH-2521 | 472.11 | 470.94 | 470.67 | 170.0 | 30 | 1.00 | 107.359 | 0.010 | 1.19 | 1.220 |
| CO-2522 | MH-2521 | MH-2522 | 471.84 | 470.63 | 470.33 | 170.0 | 30 | 1.02 | 100.000 | 0.010 | 1.23 | 1.233 |
| CO-2523 | MH-2522 | MH-2523 | 471.50 | 470.26 | 470.00 | 170.0 | 27 | 1.04 | 100.000 | 0.010 | 1.23 | 1.247 |
| CO-2524 | MH-2523 | MH-2524 | 471.17 | 469.89 | 469.59 | 170.0 | 30 | 1.05 | 100.000 | 0.010 | 1.23 | 1.261 |
| CO-2525 | MH-2524 | MH-2525 | 470.76 | 469.29 | 469.03 | 170.0 | 26 | 1.15 | 100.000 | 0.010 | 1.24 | 1.275 |
| CO-2526 | MH-2525 | MH-2511 | 470.20 | 469.02 | 468.72 | 170.0 | 30 | 1.01 | 100.000 | 0.010 | 1.24 | 1.289 |
| CO-2506 | MH-2504 | MH-2505 | 470.53 | 469.38 | 469.32 | 150.0 | 30 | 1.11 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2507 | MH-2505 | MH-2506 | 470.68 | 469.32 | 469.26 | 150.0 | 30 | 1.25 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2508 | MH-2506 | MH-2507 | 470.70 | 469.26 | 469.00 | 150.0 | 30 | 1.44 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2509 | MH-2507 | MH-2508 | 470.74 | 469.00 | 468.79 | 150.0 | 31 | 1.63 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2510 | MH-2508 | MH-2509 | 470.61 | 468.79 | 468.62 | 150.0 | 30 | 1.64 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-2511 | MH-2509 | MH-2510 | 470.37 | 468.62 | 468.48 | 150.0 | 27 | 1.56 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-2512 | MH-2510 | MH-2511 | 470.15 | 468.48 | 468.37 | 150.0 | 27 | 1.44 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2527 | MH-2511 | MH-2526 | 469.89 | 468.32 | 468.27 | 200.0 | 27 | 1.28 | 500.000 | 0.010 | 0.68 | 1.400 |
| CO-2528 | MH-2526 | MH-2527 | 469.66 | 468.27 | 468.10 | 200.0 | 31 | 1.15 | 181.981 | 0.010 | 1.01 | 1.414 |
| CO-2529 | MH-2527 | MH-2528 | 469.40 | 468.10 | 467.88 | 200.0 | 21 | 1.05 | 100.000 | 0.010 | 1.27 | 1.427 |
| CO-2530 | MH-2528 | MH-2529 | 469.08 | 467.87 | 467.65 | 200.0 | 23 | 1.00 | 100.000 | 0.010 | 1.28 | 1.441 |
| CO-2531 | MH-2529 | MH-2530 | 468.85 | 467.49 | 467.22 | 200.0 | 27 | 1.08 | 100.000 | 0.010 | 1.28 | 1.455 |
| CO-2532 | MH-2530 | MH-2531 | 468.42 | 466.97 | 466.74 | 200.0 | 23 | 1.12 | 100.000 | 0.010 | 1.28 | 1.469 |
| CO-2533 | MH-2531 | MH-2532 | 467.94 | 466.43 | 466.12 | 200.0 | 31 | 1.16 | 100.000 | 0.010 | 1.28 | 1.483 |
| CO-2534 | MH-2532 | MH-2533 | 467.32 | 465.88 | 465.61 | 200.0 | 27 | 1.12 | 100.000 | 0.010 | 1.29 | 1.497 |
| CO-3119 | MH-3121 | MH-3122 | 469.01 | 467.84 | 467.54 | 150.0 | 30 | 1.01 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3120 | MH-3122 | MH-3120 | 468.69 | 467.54 | 467.48 | 150.0 | 31 | 1.05 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-3115 | MH-3117 | MH-3118 | 470.69 | 469.34 | 468.97 | 150.0 | 37 | 1.10 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3116 | MH-3118 | MH-3119 | 470.12 | 468.87 | 468.53 | 150.0 | 34 | 1.05 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3117 | MH-3119 | MH-3116 | 469.68 | 468.31 | 468.00 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-3113 | MH-3115 | MH-3114 | 469.65 | 468.37 | 468.08 | 150.0 | 29 | 1.07 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3109 | MH-3110 | MH-3111 | 470.60 | 469.45 | 469.23 | 150.0 | 29 | 1.00 | 128.052 | 0.010 | 0.31 | 0.014 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3110 | MH-3111 | MH-3112 | 470.38 | 469.23 | 469.01 | 150.0 | 22 | 1.00 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3111 | MH-3112 | MH-3113 | 470.16 | 468.82 | 468.60 | 150.0 | 23 | 1.09 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-3112 | MH-3113 | MH-3114 | 469.75 | 468.35 | 468.08 | 150.0 | 27 | 1.12 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-3114 | MH-3114 | MH-3116 | 469.23 | 468.08 | 467.82 | 150.0 | 31 | 1.09 | 118.924 | 0.010 | 0.54 | 0.083 |
| CO-3118 | MH-3116 | MH-3120 | 469.15 | 467.82 | 467.58 | 150.0 | 23 | 1.09 | 100.000 | 0.010 | 0.68 | 0.139 |
| CO-3121 | MH-3120 | MH-3123 | 468.73 | 467.14 | 466.83 | 150.0 | 31 | 1.22 | 100.000 | 0.010 | 0.73 | 0.180 |
| CO-3122 | MH-3123 | MH-3109 | 467.98 | 466.54 | 466.27 | 150.0 | 28 | 1.14 | 100.000 | 0.010 | 0.74 | 0.194 |
| CO-5599 | MH-5575 | MH-2870 | 468.54 | 467.35 | 467.12 | 150.0 | 23 | 1.02 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-5517 | MH-5508 | MH-2866 | 468.09 | 466.94 | 466.82 | 150.0 | 22 | 1.00 | 189.623 | 0.010 | 0.27 | 0.014 |
| CO-2866 | MH-2866 | MH-2867 | 467.97 | 466.82 | 466.77 | 150.0 | 26 | 1.03 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2868 | MH-2867 | MH-2869 | 467.98 | 466.77 | 466.54 | 150.0 | 26 | 1.19 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2869 | MH-2869 | MH-2849 | 468.01 | 466.54 | 466.33 | 150.0 | 30 | 1.65 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5601 | MH-5576 | MH-2827 | 469.23 | 467.82 | 467.61 | 150.0 | 21 | 1.13 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-5516 | MH-5507 | MH-2846 | 468.38 | 467.23 | 467.18 | 150.0 | 24 | 1.00 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-2846 | MH-2846 | MH-2847 | 468.34 | 467.18 | 467.13 | 150.0 | 27 | 1.02 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2847 | MH-2847 | MH-2848 | 468.31 | 467.13 | 466.90 | 150.0 | 26 | 1.20 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2848 | MH-2848 | MH-2827 | 468.42 | 466.90 | 466.68 | 150.0 | 33 | 1.65 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5515 | MH-5506 | MH-2824 | 473.34 | 468.09 | 467.80 | 150.0 | 29 | 3.05 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2824 | MH-2824 | MH-2825 | 468.95 | 467.80 | 467.73 | 150.0 | 29 | 1.00 | 427.594 | 0.010 | 0.25 | 0.028 |
| CO-2825 | MH-2825 | MH-2826 | 468.88 | 467.73 | 467.46 | 150.0 | 30 | 1.19 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2826 | MH-2826 | MH-2816 | 469.00 | 467.46 | 467.30 | 150.0 | 24 | 1.37 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5514 | MH-5505 | MH-2813 | 469.18 | 468.03 | 467.91 | 150.0 | 21 | 1.00 | 179.057 | 0.010 | 0.27 | 0.014 |
| CO-2813 | MH-2813 | MH-2814 | 469.06 | 467.91 | 467.87 | 150.0 | 20 | 1.09 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-2814 | MH-2814 | MH-2815 | 469.20 | 467.87 | 467.63 | 150.0 | 27 | 1.30 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2815 | MH-2815 | MH-2789 | 469.20 | 467.63 | 467.43 | 150.0 | 30 | 1.39 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5513 | MH-5504 | MH-2786 | 469.15 | 467.94 | 467.77 | 150.0 | 17 | 1.03 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2786 | MH-2786 | MH-2787 | 468.92 | 467.77 | 467.68 | 150.0 | 32 | 1.00 | 379.372 | 0.010 | 0.26 | 0.028 |
| CO-2787 | MH-2787 | MH-2788 | 468.83 | 467.68 | 467.43 | 150.0 | 29 | 1.15 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2788 | MH-2788 | MH-2771 | 468.87 | 467.43 | 467.23 | 150.0 | 29 | 1.51 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2767 | MH-2766 | MH-2767 | 469.83 | 467.86 | 467.72 | 170.0 | 35 | 1.91 | 250.000 | 0.010 | 0.85 | 1.203 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5581 | MH-5563 | MH-5564 | 470.21 | 469.06 | 468.80 | 150.0 | 32 | 1.00 | 124.313 | 0.010 | 0.31 | 0.014 |
| CO-5582 | MH-5564 | MH-5561 | 469.95 | 468.80 | 468.72 | 150.0 | 38 | 1.15 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-5576 | MH-5557 | MH-5558 | 470.68 | 469.53 | 469.45 | 150.0 | 25 | 1.00 | 328.516 | 0.010 | 0.22 | 0.014 |
| CO-5577 | MH-5558 | MH-5559 | 470.60 | 469.06 | 468.76 | 150.0 | 30 | 1.20 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-5578 | MH-5559 | MH-5560 | 469.91 | 468.76 | 468.43 | 150.0 | 37 | 1.12 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-5579 | MH-5560 | MH-5561 | 469.81 | 468.43 | 468.22 | 150.0 | 31 | 1.52 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5580 | MH-5561 | MH-5562 | 470.17 | 468.01 | 468.08 | 150.0 | 36 | 1.51 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-5583 | MH-5561 | MH-5565 | 470.17 | 468.01 | 467.86 | 150.0 | 38 | 2.02 | 260.226 | 0.010 | 0.45 | 0.111 |
| CO-5584 | MH-5565 | MH-5566 | 470.03 | 467.86 | 467.75 | 150.0 | 31 | 2.05 | 287.474 | 0.010 | 0.45 | 0.125 |
| CO-5585 | MH-5566 | MH-2767 | 469.99 | 467.75 | 467.66 | 150.0 | 31 | 2.09 | 311.501 | 0.010 | 0.45 | 0.139 |
| CO-2768 | MH-2767 | MH-2768 | 469.90 | 467.61 | 467.53 | 200.0 | 37 | 2.07 | 500.000 | 0.010 | 0.68 | 1.355 |
| CO-2769 | MH-2768 | MH-2769 | 469.78 | 467.53 | 467.46 | 200.0 | 36 | 1.92 | 500.000 | 0.010 | 0.68 | 1.369 |
| CO-2770 | MH-2769 | MH-2770 | 469.47 | 467.46 | 467.40 | 200.0 | 29 | 1.77 | 500.000 | 0.010 | 0.68 | 1.383 |
| CO-2771 | MH-2770 | MH-2771 | 469.33 | 467.40 | 467.18 | 200.0 | 27 | 1.73 | 121.745 | 0.010 | 1.18 | 1.397 |
| CO-5540 | MH-2771 | MH-5529 | 469.12 | 467.18 | 467.15 | 200.0 | 12 | 1.71 | 500.000 | 0.010 | 0.69 | 1.466 |
| CO-5541 | MH-5529 | MH-2789 | 469.04 | 467.15 | 467.13 | 200.0 | 12 | 1.65 | 500.000 | 0.010 | 0.69 | 1.480 |
| CO-5537 | MH-2789 | MH-5527 | 468.94 | 467.13 | 467.11 | 200.0 | 13 | 1.59 | 500.000 | 0.010 | 0.69 | 1.549 |
| CO-5538 | MH-5527 | MH-2816 | 468.88 | 467.11 | 467.08 | 200.0 | 12 | 1.55 | 500.000 | 0.010 | 0.69 | 1.563 |
| CO-2827 | MH-2816 | MH-2827 | 468.80 | 467.03 | 467.00 | 250.0 | 15 | 1.51 | 500.000 | 0.010 | 0.72 | 1.632 |
| CO-2849 | MH-2827 | MH-2849 | 468.76 | 466.58 | 466.51 | 250.0 | 33 | 1.81 | 500.000 | 0.010 | 0.73 | 1.715 |
| CO-2870 | MH-2849 | MH-2870 | 468.46 | 466.23 | 466.04 | 250.0 | 25 | 1.98 | 126.437 | 0.010 | 1.22 | 1.785 |
| CO-5518 | MH-5509 | MH-2887 | 467.95 | 466.80 | 466.73 | 150.0 | 19 | 1.00 | 245.924 | 0.010 | 0.25 | 0.014 |
| CO-2887 | MH-2887 | MH-2888 | 467.88 | 466.73 | 466.56 | 150.0 | 27 | 1.00 | 156.446 | 0.010 | 0.36 | 0.028 |
| CO-2888 | MH-2888 | MH-2889 | 467.71 | 466.56 | 466.30 | 150.0 | 29 | 1.22 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-2889 | MH-2889 | MH-2870 | 467.89 | 466.30 | 466.14 | 150.0 | 24 | 1.71 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-2890 | MH-2870 | MH-2890 | 468.27 | 466.04 | 465.97 | 250.0 | 32 | 2.05 | 500.000 | 0.010 | 0.74 | 1.868 |
| CO-2891 | MH-2890 | MH-2891 | 468.33 | 465.97 | 465.91 | 250.0 | 31 | 2.13 | 500.000 | 0.010 | 0.74 | 1.882 |
| CO-3053 | MH-3055 | MH-3056 | 471.08 | 469.93 | 469.88 | 150.0 | 27 | 1.01 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-3054 | MH-3056 | MH-3057 | 471.04 | 469.88 | 469.81 | 150.0 | 31 | 1.11 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-3055 | MH-3057 | MH-3058 | 471.17 | 469.81 | 469.53 | 150.0 | 32 | 1.37 | 113.358 | 0.010 | 0.45 | 0.042 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3056 | MH-3058 | MH-3059 | 471.22 | 469.53 | 469.32 | 150.0 | 31 | 1.43 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-3057 | MH-3059 | MH-3060 | 470.78 | 469.32 | 469.15 | 150.0 | 29 | 1.22 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-3058 | MH-3060 | MH-3061 | 470.42 | 469.15 | 469.00 | 150.0 | 31 | 1.14 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-3059 | MH-3061 | MH-3054 | 470.31 | 469.00 | 468.83 | 150.0 | 39 | 1.21 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-3047 | MH-3050 | MH-3049 | 471.98 | 470.74 | 470.45 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3044 | MH-3046 | MH-3047 | 471.94 | 470.79 | 470.71 | 150.0 | 29 | 1.00 | 364.794 | 0.010 | 0.22 | 0.014 |
| CO-3045 | MH-3047 | MH-3048 | 471.86 | 470.71 | 470.65 | 150.0 | 33 | 1.05 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-3046 | MH-3048 | MH-3049 | 471.90 | 470.65 | 470.41 | 150.0 | 27 | 1.07 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-3048 | MH-3049 | MH-3051 | 471.60 | 470.41 | 470.19 | 150.0 | 24 | 1.03 | 111.109 | 0.010 | 0.53 | 0.069 |
| CO-3049 | MH-3051 | MH-3052 | 471.36 | 470.19 | 469.92 | 150.0 | 27 | 1.01 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-3050 | MH-3052 | MH-3053 | 471.07 | 469.92 | 469.59 | 150.0 | 34 | 1.00 | 102.310 | 0.010 | 0.60 | 0.097 |
| CO-3051 | MH-3053 | MH-3045 | 470.74 | 469.50 | 469.16 | 150.0 | 34 | 1.05 | 100.000 | 0.010 | 0.63 | 0.111 |
| CO-3041 | MH-3043 | MH-3042 | 471.09 | 469.94 | 469.90 | 150.0 | 22 | 1.06 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-3015 | MH-3018 | MH-3019 | 474.54 | 473.39 | 473.34 | 150.0 | 28 | 1.06 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-3016 | MH-3019 | MH-3020 | 474.60 | 473.34 | 473.22 | 150.0 | 25 | 1.07 | 210.629 | 0.010 | 0.32 | 0.028 |
| CO-3017 | MH-3020 | MH-3021 | 474.40 | 473.22 | 472.94 | 150.0 | 28 | 1.02 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-3018 | MH-3021 | MH-3022 | 474.09 | 472.94 | 472.68 | 150.0 | 37 | 1.10 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5555 | MH-3022 | MH-5541 | 474.04 | 472.68 | 472.59 | 150.0 | 16 | 1.29 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-5556 | MH-5541 | MH-3023 | 474.11 | 472.59 | 472.53 | 150.0 | 11 | 1.41 | 188.241 | 0.010 | 0.46 | 0.083 |
| CO-3020 | MH-3023 | MH-3017 | 474.12 | 472.53 | 472.28 | 150.0 | 25 | 1.22 | 100.000 | 0.010 | 0.61 | 0.097 |
| CO-3021 | MH-3017 | MH-3024 | 473.43 | 472.12 | 471.80 | 150.0 | 32 | 1.08 | 100.000 | 0.010 | 0.63 | 0.111 |
| CO-5596 | MH-3038 | MH-5574 | 473.64 | 472.49 | 472.71 | 150.0 | 22 | 1.08 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3034 | MH-3038 | MH-3036 | 473.64 | 472.30 | 471.99 | 150.0 | 30 | 1.10 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3030 | MH-3034 | MH-3035 | 473.99 | 472.71 | 472.46 | 150.0 | 25 | 1.06 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3031 | MH-3035 | MH-3033 | 473.61 | 472.25 | 471.96 | 150.0 | 28 | 1.11 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3026 | MH-3030 | MH-3031 | 474.10 | 472.87 | 472.60 | 150.0 | 27 | 1.04 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3027 | MH-3031 | MH-3029 | 473.75 | 472.37 | 472.14 | 150.0 | 23 | 1.12 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3023 | MH-3026 | MH-3027 | 474.40 | 473.08 | 472.81 | 150.0 | 27 | 1.09 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3024 | MH-3027 | MH-3028 | 473.96 | 472.46 | 472.23 | 150.0 | 23 | 1.17 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2915 | MH-2916 | MH-2917 | 474.70 | 473.55 | 473.42 | 150.0 | 12 | 1.00 | 100.000 | 0.010 | 0.34 | 0.014 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2916 | MH-2917 | MH-2918 | 474.57 | 473.42 | 473.37 | 150.0 | 13 | 1.00 | 237.545 | 0.010 | 0.31 | 0.028 |
| CO-2917 | MH-2919 | MH-2920 | 475.43 | 474.03 | 473.81 | 150.0 | 21 | 1.12 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2918 | MH-2920 | MH-2918 | 474.96 | 473.61 | 473.37 | 150.0 | 25 | 1.10 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2919 | MH-2918 | MH-2921 | 474.52 | 472.88 | 472.66 | 150.0 | 22 | 1.24 | 100.000 | 0.010 | 0.55 | 0.069 |
| CO-2920 | MH-2921 | MH-2922 | 473.81 | 472.57 | 472.37 | 150.0 | 20 | 1.05 | 100.000 | 0.010 | 0.58 | 0.083 |
| CO-2921 | MH-2923 | MH-2924 | 474.53 | 473.38 | 473.31 | 150.0 | 24 | 1.00 | 333.897 | 0.010 | 0.22 | 0.014 |
| CO-2922 | MH-2924 | MH-2925 | 474.46 | 473.04 | 472.82 | 150.0 | 23 | 1.13 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-2923 | MH-2925 | MH-2922 | 473.97 | 472.63 | 472.37 | 150.0 | 26 | 1.10 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-5595 | MH-2922 | MH-3028 | 473.52 | 472.37 | 472.23 | 150.0 | 40 | 1.00 | 281.343 | 0.010 | 0.47 | 0.139 |
| CO-3025 | MH-3028 | MH-3029 | 473.38 | 472.23 | 472.14 | 150.0 | 22 | 1.00 | 256.545 | 0.010 | 0.52 | 0.180 |
| CO-5546 | MH-3029 | MH-5534 | 473.29 | 472.14 | 472.09 | 150.0 | 18 | 1.00 | 335.235 | 0.010 | 0.50 | 0.222 |
| CO-5547 | MH-5534 | MH-3032 | 473.24 | 472.09 | 472.02 | 150.0 | 18 | 1.00 | 268.436 | 0.010 | 0.55 | 0.236 |
| CO-3029 | MH-3032 | MH-3033 | 473.17 | 472.02 | 471.96 | 150.0 | 24 | 1.00 | 411.972 | 0.010 | 0.48 | 0.249 |
| CO-3032 | MH-3033 | MH-3036 | 473.11 | 471.96 | 471.92 | 150.0 | 23 | 1.04 | 500.000 | 0.010 | 0.47 | 0.291 |
| CO-5558 | MH-3036 | MH-3024 | 473.14 | 471.92 | 471.80 | 150.0 | 24 | 1.04 | 199.364 | 0.010 | 0.68 | 0.333 |
| CO-3022 | MH-3024 | MH-3025 | 472.95 | 471.61 | 471.45 | 150.0 | 17 | 1.09 | 100.000 | 0.010 | 0.95 | 0.457 |
| CO-3036 | MH-3025 | MH-2932 | 472.60 | 471.32 | 471.19 | 150.0 | 12 | 1.06 | 100.000 | 0.010 | 0.96 | 0.471 |
| CO-2905 | MH-2905 | MH-2906 | 473.64 | 472.43 | 472.33 | 150.0 | 10 | 1.03 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-2912 | MH-2906 | MH-2913 | 473.48 | 472.33 | 472.21 | 150.0 | 12 | 1.00 | 104.291 | 0.010 | 0.41 | 0.028 |
| CO-2913 | MH-2913 | MH-2914 | 473.36 | 472.21 | 471.95 | 150.0 | 26 | 1.00 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-5506 | MH-2914 | MH-2927 | 473.10 | 471.95 | 471.66 | 150.0 | 31 | 1.00 | 105.309 | 0.010 | 0.50 | 0.055 |
| CO-2926 | MH-2927 | MH-2928 | 472.81 | 471.66 | 471.49 | 150.0 | 30 | 1.05 | 175.526 | 0.010 | 0.45 | 0.069 |
| CO-2927 | MH-2928 | MH-2929 | 472.75 | 471.49 | 471.33 | 150.0 | 33 | 1.17 | 204.774 | 0.010 | 0.45 | 0.083 |
| CO-2928 | MH-2929 | MH-2930 | 472.70 | 471.33 | 471.20 | 150.0 | 30 | 1.14 | 232.192 | 0.010 | 0.45 | 0.097 |
| CO-2929 | MH-2930 | MH-2931 | 472.41 | 471.20 | 471.08 | 150.0 | 29 | 1.18 | 260.226 | 0.010 | 0.45 | 0.111 |
| CO-2930 | MH-2931 | MH-2932 | 472.54 | 471.08 | 470.97 | 150.0 | 33 | 1.26 | 287.474 | 0.010 | 0.45 | 0.125 |
| CO-3037 | MH-2932 | MH-3039 | 472.34 | 470.97 | 470.92 | 150.0 | 27 | 1.23 | 500.000 | 0.010 | 0.56 | 0.610 |
| CO-3038 | MH-3039 | MH-3040 | 472.31 | 470.92 | 470.68 | 150.0 | 30 | 1.26 | 121.988 | 0.010 | 0.96 | 0.624 |
| CO-3039 | MH-3040 | MH-3041 | 472.10 | 470.68 | 470.30 | 150.0 | 37 | 1.14 | 100.000 | 0.010 | 1.04 | 0.637 |
| CO-3040 | MH-3041 | MH-3042 | 471.45 | 470.29 | 470.01 | 150.0 | 28 | 1.01 | 100.000 | 0.010 | 1.04 | 0.651 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3042 | MH-3042 | MH-3044 | 471.16 | 469.72 | 469.40 | 150.0 | 31 | 1.15 | 100.000 | 0.010 | 1.06 | 0.679 |
| CO-3043 | MH-3044 | MH-3045 | 470.55 | 469.39 | 469.16 | 150.0 | 22 | 1.01 | 100.000 | 0.010 | 1.06 | 0.693 |
| CO-3052 | MH-3045 | MH-3054 | 470.31 | 469.16 | 469.10 | 150.0 | 16 | 1.00 | 235.965 | 0.010 | 0.80 | 0.818 |
| CO-3060 | MH-3054 | MH-3062 | 470.25 | 468.81 | 468.74 | 170.0 | 25 | 1.13 | 355.988 | 0.010 | 0.70 | 0.928 |
| CO-3061 | MH-3062 | MH-3063 | 469.91 | 468.56 | 468.31 | 170.0 | 25 | 1.09 | 100.000 | 0.010 | 1.15 | 0.942 |
| CO-3062 | MH-3063 | MH-3064 | 469.48 | 467.88 | 467.61 | 170.0 | 27 | 1.21 | 100.000 | 0.010 | 1.15 | 0.956 |
| CO-3100 | MH-3103 | MH-3104 | 469.91 | 468.26 | 467.96 | 150.0 | 30 | 1.25 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3101 | MH-3104 | MH-3102 | 469.11 | 467.79 | 467.51 | 150.0 | 29 | 1.08 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-5559 | MH-5542 | MH-3101 | 469.59 | 468.18 | 467.94 | 150.0 | 24 | 1.13 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3098 | MH-3101 | MH-3100 | 469.09 | 467.68 | 467.43 | 150.0 | 25 | 1.13 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3095 | MH-3098 | MH-3099 | 470.24 | 468.85 | 468.55 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3096 | MH-3099 | MH-3097 | 469.70 | 468.09 | 467.88 | 150.0 | 21 | 1.23 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3092 | MH-3095 | MH-3096 | 470.45 | 468.91 | 468.69 | 150.0 | 22 | 1.19 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3093 | MH-3096 | MH-3094 | 469.84 | 468.38 | 468.17 | 150.0 | 21 | 1.16 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3089 | MH-3092 | MH-3091 | 469.80 | 468.49 | 468.08 | 150.0 | 41 | 1.08 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3086 | MH-3089 | MH-3088 | 469.83 | 468.66 | 468.45 | 150.0 | 22 | 1.01 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3079 | MH-3082 | MH-3083 | 472.01 | 470.86 | 470.81 | 150.0 | 26 | 1.01 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-3080 | MH-3083 | MH-3084 | 471.98 | 470.49 | 470.29 | 150.0 | 19 | 1.17 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3081 | MH-3084 | MH-3085 | 471.44 | 469.78 | 469.52 | 150.0 | 25 | 1.26 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-3082 | MH-3085 | MH-3081 | 470.67 | 469.39 | 469.15 | 150.0 | 24 | 1.07 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-5533 | MH-5522 | MH-3078 | 472.50 | 471.25 | 471.09 | 150.0 | 16 | 1.05 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-3075 | MH-3078 | MH-3079 | 472.24 | 470.84 | 470.57 | 150.0 | 27 | 1.13 | 100.000 | 0.010 | 0.42 | 0.028 |
| CO-3076 | MH-3079 | MH-3080 | 471.72 | 470.26 | 470.00 | 150.0 | 26 | 1.15 | 100.000 | 0.010 | 0.47 | 0.042 |
| CO-3077 | MH-3080 | MH-3077 | 471.15 | 469.68 | 469.39 | 150.0 | 29 | 1.16 | 100.000 | 0.010 | 0.51 | 0.055 |
| CO-5526 | MH-5516 | MH-5517 | 472.06 | 470.91 | 470.86 | 150.0 | 25 | 1.02 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-5527 | MH-5517 | MH-5518 | 472.05 | 470.86 | 470.78 | 150.0 | 29 | 1.02 | 325.756 | 0.010 | 0.28 | 0.028 |
| CO-5528 | MH-5518 | MH-5519 | 471.93 | 470.78 | 470.54 | 150.0 | 26 | 1.11 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-5531 | MH-5519 | MH-5520 | 471.92 | 470.54 | 470.41 | 150.0 | 20 | 1.31 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-5529 | MH-3075 | MH-5520 | 472.47 | 471.11 | 470.82 | 150.0 | 29 | 1.10 | 100.000 | 0.010 | 0.34 | 0.014 |
| CO-5530 | MH-5520 | MH-3076 | 471.97 | 470.41 | 470.27 | 150.0 | 29 | 1.23 | 204.774 | 0.010 | 0.45 | 0.083 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5519 | MH-5510 | MH-5511 | 471.23 | 470.08 | 470.02 | 150.0 | 31 | 1.25 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-5520 | MH-5511 | MH-5512 | 471.67 | 470.02 | 469.96 | 150.0 | 30 | 1.56 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-5521 | MH-5512 | MH-5513 | 471.74 | 469.96 | 469.69 | 150.0 | 31 | 1.72 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-5522 | MH-5513 | MH-3076 | 471.64 | 469.69 | 469.53 | 150.0 | 23 | 1.80 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-3073 | MH-3076 | MH-3073 | 471.48 | 469.53 | 469.29 | 150.0 | 33 | 1.68 | 136.353 | 0.010 | 0.62 | 0.152 |
| CO-5523 | MH-3070 | MH-5515 | 470.96 | 469.81 | 469.75 | 150.0 | 31 | 1.13 | 500.000 | 0.010 | 0.19 | 0.014 |
| CO-5524 | MH-5515 | MH-3071 | 471.15 | 469.75 | 469.69 | 150.0 | 27 | 1.35 | 500.000 | 0.010 | 0.24 | 0.028 |
| CO-3069 | MH-3071 | MH-3072 | 471.30 | 469.69 | 469.47 | 150.0 | 25 | 1.48 | 113.358 | 0.010 | 0.45 | 0.042 |
| CO-3070 | MH-3072 | MH-3073 | 471.13 | 469.47 | 469.29 | 150.0 | 27 | 1.53 | 145.382 | 0.010 | 0.45 | 0.055 |
| CO-3074 | MH-3073 | MH-3077 | 471.00 | 469.29 | 469.24 | 150.0 | 22 | 1.36 | 454.200 | 0.010 | 0.45 | 0.222 |
| CO-3078 | MH-3077 | MH-3081 | 470.54 | 469.24 | 469.02 | 150.0 | 23 | 1.14 | 104.516 | 0.010 | 0.82 | 0.291 |
| CO-3083 | MH-3081 | MH-3086 | 470.30 | 469.02 | 468.82 | 150.0 | 20 | 1.06 | 100.000 | 0.010 | 0.89 | 0.360 |
| CO-3084 | MH-3086 | MH-3087 | 469.97 | 468.76 | 468.64 | 150.0 | 12 | 1.03 | 100.000 | 0.010 | 0.90 | 0.374 |
| CO-3085 | MH-3087 | MH-3088 | 469.79 | 468.58 | 468.45 | 150.0 | 13 | 1.03 | 100.000 | 0.010 | 0.91 | 0.388 |
| CO-3087 | MH-3088 | MH-3090 | 469.60 | 468.43 | 468.21 | 150.0 | 22 | 1.01 | 100.000 | 0.010 | 0.93 | 0.416 |
| CO-3088 | MH-3090 | MH-3091 | 469.36 | 468.21 | 468.08 | 150.0 | 26 | 1.00 | 202.389 | 0.010 | 0.72 | 0.430 |
| CO-3090 | MH-3091 | MH-3093 | 469.23 | 468.08 | 468.03 | 150.0 | 23 | 1.00 | 458.042 | 0.010 | 0.54 | 0.457 |
| CO-3091 | MH-3093 | MH-3094 | 469.18 | 468.03 | 467.99 | 150.0 | 22 | 1.09 | 500.000 | 0.010 | 0.53 | 0.471 |
| CO-3094 | MH-3094 | MH-3097 | 469.32 | 467.99 | 467.88 | 150.0 | 30 | 1.09 | 274.708 | 0.010 | 0.68 | 0.513 |
| CO-3097 | MH-3097 | MH-3100 | 469.03 | 467.66 | 467.43 | 150.0 | 23 | 1.11 | 100.000 | 0.010 | 1.00 | 0.554 |
| CO-3099 | MH-3100 | MH-3102 | 468.58 | 467.43 | 467.35 | 150.0 | 43 | 1.08 | 500.000 | 0.010 | 0.55 | 0.596 |
| CO-3102 | MH-3102 | MH-3064 | 468.66 | 467.35 | 467.30 | 150.0 | 24 | 1.24 | 500.000 | 0.010 | 0.56 | 0.637 |
| CO-3103 | MH-3064 | MH-2891 | 468.78 | 467.28 | 467.14 | 170.0 | 27 | 1.16 | 193.809 | 0.010 | 0.99 | 1.608 |
| CO-3104 | MH-2891 | MH-3105 | 468.31 | 465.86 | 465.81 | 300.0 | 26 | 2.02 | 500.000 | 0.011 | 0.80 | 3.503 |
| CO-3105 | MH-3105 | MH-3106 | 467.99 | 465.81 | 465.77 | 300.0 | 21 | 1.81 | 500.000 | 0.011 | 0.80 | 3.517 |
| CO-3107 | MH-3106 | MH-3108 | 467.81 | 465.77 | 465.73 | 300.0 | 20 | 1.72 | 500.000 | 0.011 | 0.80 | 3.531 |
| CO-3108 | MH-3108 | MH-3109 | 467.71 | 465.73 | 465.68 | 300.0 | 21 | 1.56 | 500.000 | 0.011 | 0.80 | 3.545 |
| CO-3123 | MH-3109 | MH-3124 | 467.42 | 465.68 | 465.56 | 300.0 | 33 | 1.22 | 274.971 | 0.011 | 1.03 | 3.752 |
| CO-3124 | MH-3124 | MH-2533 | 466.86 | 465.56 | 465.50 | 300.0 | 32 | 1.00 | 500.000 | 0.011 | 0.81 | 3.766 |
| CO-3125 | MH-2533 | MH-3125 | 466.81 | 465.45 | 465.39 | 350.0 | 29 | 1.02 | 500.000 | 0.011 | 0.89 | 5.277 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-3126 | MH-3125 | MH-3126 | 466.78 | 465.39 | 465.33 | 350.0 | 30 | 1.04 | 500.000 | 0.011 | 0.89 | 5.291 |
| CO-3127 | MH-3126 | MH-3127 | 466.73 | 465.33 | 465.09 | 350.0 | 25 | 1.08 | 104.057 | 0.011 | 1.62 | 5.305 |
| CO-3128 | MH-3127 | MH-3128 | 466.55 | 465.09 | 464.91 | 350.0 | 18 | 1.05 | 100.000 | 0.011 | 1.64 | 5.318 |
| CO-3129 | MH-3128 | MH-3129 | 466.26 | 464.82 | 464.70 | 350.0 | 11 | 1.05 | 100.000 | 0.011 | 1.64 | 5.332 |
| CO-3131 | MH-3129 | MH-3131 | 466.05 | 464.54 | 464.29 | 350.0 | 26 | 1.08 | 100.000 | 0.011 | 1.65 | 5.360 |
| CO-3132 | MH-3131 | MH-3132 | 465.64 | 464.19 | 463.98 | 350.0 | 21 | 1.05 | 100.000 | 0.011 | 1.65 | 5.374 |
| CO-3133 | MH-3132 | MH-2503 | 465.33 | 463.58 | 463.32 | 350.0 | 26 | 1.20 | 100.000 | 0.011 | 1.65 | 5.388 |
| CO-3134 | MH-2503 | MH-3133 | 464.67 | 462.52 | 462.19 | 350.0 | 34 | 1.40 | 100.000 | 0.011 | 1.71 | 6.164 |
| CO-3135 | MH-3133 | MH-1568 | 463.54 | 461.65 | 461.47 | 350.0 | 18 | 1.27 | 100.000 | 0.011 | 1.71 | 6.178 |
| CO-1569 | MH-1568 | OF-2 | 462.82 | 460.62 | 460.57 | 600.0 | 18 | 1.26 | 400.000 | 0.011 | 1.44 | 26.890 |

Hydraulic Model Inventory: Zone X Part V.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part V) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 29-05-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 242 | Taps | 0 |
| -Circle | 242 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 2 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 242 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|--------------|---------|
| Circle - 150.0 mm | 6,437 m | Total Length | 6,721 m |
| Circle - 170.0 mm | 284 m | | |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2731 | MH-2732 | MH-2733 | 473.51 | 471.97 | 471.67 | 150.0 | 30 | 1.19 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2732 | MH-2733 | MH-2734 | 472.82 | 471.03 | 470.74 | 150.0 | 30 | 1.32 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2733 | MH-2734 | MH-2731 | 471.89 | 470.36 | 470.03 | 150.0 | 33 | 1.19 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2734 | MH-2735 | MH-2736 | 473.29 | 471.63 | 471.31 | 150.0 | 32 | 1.26 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2735 | MH-2736 | MH-2737 | 472.46 | 470.79 | 470.54 | 150.0 | 25 | 1.26 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2736 | MH-2737 | MH-2731 | 471.69 | 470.30 | 470.03 | 150.0 | 27 | 1.12 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2726 | MH-2727 | MH-2728 | 473.40 | 471.83 | 471.53 | 150.0 | 30 | 1.21 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2727 | MH-2728 | MH-2729 | 472.68 | 471.16 | 470.94 | 150.0 | 23 | 1.18 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2728 | MH-2729 | MH-2725 | 472.09 | 470.66 | 470.43 | 150.0 | 23 | 1.14 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2729 | MH-2725 | MH-2730 | 471.58 | 470.43 | 470.23 | 150.0 | 19 | 1.00 | 100.000 | 0.010 | 0.48 | 0.04462 |
| CO-2730 | MH-2730 | MH-2731 | 471.38 | 470.22 | 470.03 | 150.0 | 20 | 1.00 | 100.000 | 0.010 | 0.51 | 0.05578 |
| CO-2737 | MH-2731 | MH-2738 | 471.18 | 470.03 | 469.70 | 150.0 | 38 | 1.00 | 117.326 | 0.010 | 0.63 | 0.13387 |
| CO-2738 | MH-2738 | MH-2723 | 470.85 | 469.70 | 469.45 | 150.0 | 36 | 1.16 | 144.121 | 0.010 | 0.60 | 0.14503 |
| CO-2609 | MH-2608 | MH-2609 | 474.08 | 471.85 | 471.56 | 150.0 | 29 | 1.54 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2610 | MH-2609 | MH-2610 | 472.71 | 471.56 | 471.41 | 150.0 | 28 | 1.00 | 180.047 | 0.010 | 0.32 | 0.02231 |
| CO-5532 | MH-2610 | MH-2611 | 472.56 | 471.41 | 471.28 | 150.0 | 31 | 1.01 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-5597 | MH-5549 | MH-5550 | 474.23 | 472.85 | 472.56 | 150.0 | 30 | 1.11 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5598 | MH-5550 | MH-2679 | 473.71 | 472.56 | 472.42 | 150.0 | 34 | 1.02 | 250.000 | 0.010 | 0.28 | 0.02181 |
| CO-2676 | MH-2679 | MH-2677 | 473.62 | 472.42 | 472.36 | 150.0 | 15 | 1.05 | 250.000 | 0.010 | 0.32 | 0.03297 |
| CO-2677 | MH-2677 | MH-2658 | 473.56 | 472.36 | 472.06 | 150.0 | 34 | 1.23 | 114.585 | 0.010 | 0.46 | 0.04412 |
| CO-2643 | MH-2644 | MH-2645 | 476.36 | 475.03 | 474.76 | 150.0 | 27 | 1.09 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2644 | MH-2645 | MH-2646 | 475.91 | 474.48 | 474.07 | 150.0 | 41 | 1.14 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2645 | MH-2646 | MH-2647 | 475.22 | 473.86 | 473.54 | 150.0 | 32 | 1.10 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-5691 | MH-5597 | MH-5598 | 475.15 | 473.71 | 473.43 | 150.0 | 28 | 1.14 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5684 | MH-5593 | MH-5594 | 475.60 | 474.06 | 473.75 | 150.0 | 31 | 1.20 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5685 | MH-5594 | MH-2650 | 474.90 | 473.39 | 473.10 | 150.0 | 29 | 1.18 | 100.000 | 0.010 | 0.39 | 0.02181 |
| CO-2669 | MH-2672 | MH-2673 | 475.84 | 474.69 | 474.25 | 150.0 | 52 | 1.11 | 117.734 | 0.010 | 0.30 | 0.01116 |
| CO-2670 | MH-2673 | MH-2674 | 475.62 | 474.25 | 474.08 | 150.0 | 17 | 1.11 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2671 | MH-2674 | MH-2675 | 475.23 | 473.81 | 473.57 | 150.0 | 24 | 1.14 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2672 | MH-2675 | MH-2671 | 474.72 | 473.49 | 473.20 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.48 | 0.04462 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2666 | MH-2669 | MH-2670 | 475.53 | 474.28 | 474.02 | 150.0 | 27 | 1.05 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2667 | MH-2670 | MH-2667 | 475.17 | 474.02 | 473.75 | 150.0 | 30 | 1.00 | 114.138 | 0.010 | 0.37 | 0.02231 |
| CO-5693 | MH-5599 | MH-5600 | 476.28 | 474.88 | 474.57 | 150.0 | 30 | 1.13 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5694 | MH-5600 | MH-2665 | 475.72 | 474.32 | 474.02 | 150.0 | 30 | 1.13 | 100.000 | 0.010 | 0.39 | 0.02181 |
| CO-5687 | MH-5595 | MH-5596 | 475.65 | 474.50 | 474.40 | 150.0 | 24 | 1.22 | 250.000 | 0.010 | 0.23 | 0.01091 |
| CO-5688 | MH-5596 | MH-2662 | 476.00 | 474.40 | 474.31 | 150.0 | 23 | 1.65 | 250.000 | 0.010 | 0.28 | 0.02181 |
| CO-2659 | MH-2662 | MH-2663 | 476.32 | 474.31 | 474.22 | 150.0 | 22 | 1.88 | 250.000 | 0.010 | 0.32 | 0.03297 |
| CO-2660 | MH-2663 | MH-2664 | 476.27 | 474.22 | 474.10 | 150.0 | 32 | 1.84 | 250.000 | 0.010 | 0.35 | 0.04412 |
| CO-2661 | MH-2664 | MH-2661 | 476.04 | 474.10 | 473.97 | 150.0 | 32 | 1.56 | 250.000 | 0.010 | 0.37 | 0.05528 |
| CO-2657 | MH-2659 | MH-2660 | 475.42 | 474.27 | 474.19 | 150.0 | 20 | 1.11 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2658 | MH-2660 | MH-2661 | 475.56 | 474.19 | 473.97 | 150.0 | 27 | 1.28 | 121.446 | 0.010 | 0.37 | 0.02231 |
| CO-2662 | MH-2661 | MH-2665 | 475.45 | 473.97 | 473.91 | 150.0 | 15 | 1.22 | 250.000 | 0.010 | 0.43 | 0.08875 |
| CO-2663 | MH-2665 | MH-2666 | 475.17 | 473.91 | 473.78 | 150.0 | 16 | 1.10 | 125.370 | 0.010 | 0.60 | 0.12171 |
| CO-2664 | MH-2666 | MH-2667 | 475.02 | 473.78 | 473.68 | 150.0 | 14 | 1.08 | 133.918 | 0.010 | 0.60 | 0.13287 |
| CO-2668 | MH-2667 | MH-2671 | 474.90 | 473.44 | 473.20 | 150.0 | 25 | 1.15 | 100.000 | 0.010 | 0.71 | 0.16634 |
| CO-5613 | MH-2671 | MH-2650 | 474.35 | 473.20 | 473.09 | 150.0 | 21 | 1.00 | 204.833 | 0.010 | 0.60 | 0.22212 |
| CO-2647 | MH-2650 | MH-2649 | 474.25 | 473.09 | 472.99 | 150.0 | 25 | 1.15 | 227.743 | 0.010 | 0.60 | 0.25508 |
| CO-2646 | MH-2648 | MH-2649 | 475.03 | 473.55 | 473.28 | 150.0 | 27 | 1.17 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-5689 | MH-2649 | MH-5598 | 474.43 | 472.99 | 472.90 | 150.0 | 20 | 1.41 | 243.386 | 0.010 | 0.60 | 0.27740 |
| CO-5690 | MH-5598 | MH-2647 | 474.58 | 472.90 | 472.84 | 150.0 | 14 | 1.61 | 250.000 | 0.010 | 0.61 | 0.29921 |
| CO-2651 | MH-2653 | MH-2654 | 473.82 | 472.67 | 472.53 | 150.0 | 34 | 1.25 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2652 | MH-2654 | MH-2655 | 474.18 | 472.53 | 472.46 | 150.0 | 18 | 1.65 | 250.000 | 0.010 | 0.28 | 0.02231 |
| CO-2653 | MH-2655 | MH-2651 | 474.41 | 472.46 | 472.39 | 150.0 | 17 | 1.90 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-2649 | MH-2647 | MH-2651 | 474.69 | 472.29 | 472.39 | 150.0 | 24 | 2.12 | 250.000 | 0.010 | 0.35 | 0.04462 |
| CO-5599 | MH-2647 | MH-2656 | 474.69 | 472.29 | 472.19 | 150.0 | 27 | 2.05 | 250.000 | 0.010 | 0.65 | 0.38845 |
| CO-2656 | MH-2656 | MH-2658 | 474.19 | 472.19 | 472.06 | 150.0 | 31 | 1.63 | 250.000 | 0.010 | 0.66 | 0.39961 |
| CO-2678 | MH-2658 | MH-2680 | 473.63 | 472.06 | 471.87 | 150.0 | 26 | 1.28 | 133.525 | 0.010 | 0.85 | 0.45489 |
| CO-2679 | MH-2680 | MH-2681 | 473.16 | 471.87 | 471.58 | 150.0 | 28 | 1.07 | 100.000 | 0.010 | 0.96 | 0.46605 |
| CO-2680 | MH-2681 | MH-2682 | 472.73 | 471.58 | 471.35 | 150.0 | 29 | 1.00 | 122.468 | 0.010 | 0.89 | 0.47720 |
| CO-2686 | MH-2682 | MH-2643 | 472.50 | 471.35 | 471.23 | 150.0 | 29 | 1.02 | 250.000 | 0.010 | 0.69 | 0.48836 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5626 | MH-5562 | MH-5564 | 476.60 | 474.99 | 475.28 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5628 | MH-5564 | MH-5565 | 476.14 | 474.51 | 474.82 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.39 | 0.02181 |
| CO-5630 | MH-5565 | MH-5566 | 475.66 | 474.04 | 474.34 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.44 | 0.03272 |
| CO-5632 | MH-5566 | MH-5567 | 475.19 | 473.59 | 473.88 | 150.0 | 29 | 1.08 | 100.000 | 0.010 | 0.48 | 0.04362 |
| CO-5631 | MH-5567 | MH-5558 | 474.74 | 473.10 | 473.42 | 150.0 | 32 | 1.09 | 100.000 | 0.010 | 0.51 | 0.05453 |
| CO-5623 | MH-5558 | MH-5563 | 474.25 | 473.10 | 473.00 | 150.0 | 14 | 1.00 | 137.160 | 0.010 | 0.48 | 0.06544 |
| CO-5661 | MH-5563 | MH-5582 | 474.15 | 472.90 | 472.69 | 150.0 | 20 | 1.05 | 100.000 | 0.010 | 0.57 | 0.07634 |
| CO-5663 | MH-5582 | MH-5583 | 473.84 | 472.57 | 472.31 | 150.0 | 26 | 1.06 | 100.000 | 0.010 | 0.59 | 0.08725 |
| CO-5664 | MH-5583 | MH-5557 | 473.46 | 472.17 | 471.90 | 150.0 | 27 | 1.07 | 100.000 | 0.010 | 0.61 | 0.09815 |
| CO-5645 | MH-5560 | MH-5574 | 478.25 | 476.75 | 476.39 | 150.0 | 36 | 1.18 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5647 | MH-5574 | MH-5575 | 477.54 | 476.11 | 475.81 | 150.0 | 29 | 1.14 | 100.000 | 0.010 | 0.39 | 0.02181 |
| CO-5649 | MH-5575 | MH-5576 | 476.96 | 475.52 | 475.22 | 150.0 | 30 | 1.15 | 100.000 | 0.010 | 0.44 | 0.03272 |
| CO-5651 | MH-5576 | MH-5577 | 476.37 | 474.93 | 474.63 | 150.0 | 30 | 1.15 | 100.000 | 0.010 | 0.48 | 0.04362 |
| CO-5653 | MH-5577 | MH-5578 | 475.78 | 474.34 | 474.04 | 150.0 | 30 | 1.15 | 100.000 | 0.010 | 0.51 | 0.05453 |
| CO-5655 | MH-5578 | MH-5579 | 475.19 | 473.76 | 473.47 | 150.0 | 29 | 1.14 | 100.000 | 0.010 | 0.54 | 0.06544 |
| CO-5657 | MH-5579 | MH-5580 | 474.62 | 473.25 | 473.02 | 150.0 | 23 | 1.11 | 100.000 | 0.010 | 0.57 | 0.07634 |
| CO-5659 | MH-5580 | MH-5581 | 474.17 | 472.76 | 472.48 | 150.0 | 27 | 1.13 | 100.000 | 0.010 | 0.59 | 0.08725 |
| CO-5660 | MH-5581 | MH-5557 | 473.63 | 472.20 | 471.90 | 150.0 | 30 | 1.14 | 100.000 | 0.010 | 0.61 | 0.09815 |
| CO-5634 | MH-5561 | MH-5568 | 475.55 | 474.14 | 474.32 | 150.0 | 17 | 1.04 | 100.000 | 0.010 | 0.31 | 0.01091 |
| CO-5636 | MH-5568 | MH-5569 | 475.29 | 473.71 | 474.00 | 150.0 | 29 | 1.07 | 100.000 | 0.010 | 0.39 | 0.02181 |
| CO-5638 | MH-5569 | MH-5570 | 474.86 | 473.25 | 473.56 | 150.0 | 31 | 1.08 | 100.000 | 0.010 | 0.44 | 0.03272 |
| CO-5640 | MH-5570 | MH-5571 | 474.40 | 472.80 | 473.10 | 150.0 | 30 | 1.07 | 100.000 | 0.010 | 0.48 | 0.04362 |
| CO-5642 | MH-5571 | MH-5572 | 473.95 | 472.36 | 472.66 | 150.0 | 30 | 1.07 | 100.000 | 0.010 | 0.51 | 0.05453 |
| CO-5644 | MH-5572 | MH-5573 | 473.51 | 472.19 | 472.31 | 150.0 | 12 | 1.03 | 100.000 | 0.010 | 0.54 | 0.06544 |
| CO-5643 | MH-5573 | MH-5557 | 473.34 | 471.90 | 472.10 | 150.0 | 20 | 1.05 | 100.000 | 0.010 | 0.57 | 0.07634 |
| CO-5665 | MH-5557 | MH-5584 | 473.05 | 471.90 | 471.80 | 150.0 | 25 | 1.02 | 244.958 | 0.010 | 0.60 | 0.28355 |
| CO-5667 | MH-5584 | MH-5585 | 473.00 | 471.80 | 471.69 | 150.0 | 27 | 1.07 | 250.000 | 0.010 | 0.60 | 0.29446 |
| CO-5669 | MH-5585 | MH-5586 | 472.94 | 471.69 | 471.57 | 150.0 | 30 | 1.13 | 250.000 | 0.010 | 0.61 | 0.30536 |
| CO-5671 | MH-5586 | MH-5587 | 472.88 | 471.57 | 471.46 | 150.0 | 29 | 1.18 | 250.000 | 0.010 | 0.62 | 0.31627 |
| CO-5673 | MH-5587 | MH-5588 | 472.82 | 471.46 | 471.34 | 150.0 | 30 | 1.24 | 250.000 | 0.010 | 0.62 | 0.32718 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5675 | MH-5588 | MH-5589 | 472.75 | 471.34 | 471.21 | 150.0 | 32 | 1.30 | 250.000 | 0.010 | 0.63 | 0.33808 |
| CO-5677 | MH-5589 | MH-5590 | 472.69 | 471.21 | 471.11 | 150.0 | 24 | 1.35 | 250.000 | 0.010 | 0.63 | 0.34899 |
| CO-5679 | MH-5590 | MH-5591 | 472.63 | 471.11 | 471.00 | 150.0 | 30 | 1.40 | 250.000 | 0.010 | 0.64 | 0.35989 |
| CO-5681 | MH-5591 | MH-5592 | 472.57 | 471.00 | 470.86 | 150.0 | 34 | 1.46 | 250.000 | 0.010 | 0.64 | 0.37080 |
| CO-5682 | MH-5592 | MH-2643 | 472.50 | 470.86 | 470.72 | 150.0 | 36 | 1.52 | 250.000 | 0.010 | 0.65 | 0.38170 |
| CO-2687 | MH-2643 | MH-2688 | 472.42 | 470.72 | 470.63 | 150.0 | 22 | 1.61 | 250.000 | 0.010 | 0.79 | 0.88122 |
| CO-2688 | MH-2688 | MH-2611 | 472.44 | 470.63 | 470.56 | 150.0 | 17 | 1.69 | 250.000 | 0.010 | 0.79 | 0.89237 |
| CO-2689 | MH-2611 | MH-2689 | 472.44 | 470.56 | 470.41 | 150.0 | 28 | 1.50 | 187.669 | 0.010 | 0.90 | 0.93700 |
| CO-2690 | MH-2689 | MH-2690 | 471.84 | 470.41 | 470.12 | 150.0 | 29 | 1.14 | 100.000 | 0.010 | 1.15 | 0.94815 |
| CO-2691 | MH-2690 | MH-2691 | 471.27 | 470.12 | 470.01 | 150.0 | 27 | 1.02 | 236.905 | 0.010 | 0.82 | 0.95931 |
| CO-2720 | MH-2712 | MH-2721 | 471.80 | 470.54 | 470.24 | 150.0 | 30 | 1.05 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2721 | MH-2721 | MH-2722 | 471.39 | 470.24 | 470.13 | 150.0 | 28 | 1.04 | 250.000 | 0.010 | 0.28 | 0.02231 |
| CO-5533 | MH-2722 | MH-2691 | 471.36 | 470.13 | 470.01 | 150.0 | 29 | 1.06 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-2723 | MH-2691 | MH-2723 | 471.20 | 470.01 | 469.78 | 150.0 | 31 | 1.02 | 135.911 | 0.010 | 1.03 | 1.00393 |
| CO-5600 | MH-2723 | MH-2740 | 470.93 | 469.43 | 469.31 | 170.0 | 31 | 1.32 | 250.000 | 0.010 | 0.85 | 1.16011 |
| CO-2763 | MH-2763 | MH-2764 | 471.46 | 470.31 | 470.12 | 150.0 | 27 | 1.00 | 139.157 | 0.010 | 0.28 | 0.01116 |
| CO-2764 | MH-2764 | MH-2740 | 471.27 | 469.93 | 469.63 | 150.0 | 30 | 1.09 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-5534 | MH-2740 | MH-5515 | 470.78 | 469.31 | 468.94 | 170.0 | 37 | 1.18 | 101.490 | 0.010 | 1.21 | 1.19358 |
| CO-5535 | MH-5515 | OF-4 | 470.17 | 468.94 | 468.66 | 170.0 | 28 | 1.03 | 100.000 | 0.010 | 1.22 | 1.20474 |
| CO-2742 | MH-2742 | MH-2743 | 475.87 | 474.72 | 474.63 | 150.0 | 23 | 1.02 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2743 | MH-2743 | MH-2744 | 475.81 | 474.63 | 474.41 | 150.0 | 25 | 1.02 | 112.024 | 0.010 | 0.38 | 0.02231 |
| CO-2744 | MH-2744 | MH-2745 | 475.56 | 474.27 | 473.97 | 150.0 | 29 | 1.07 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2745 | MH-2745 | MH-2746 | 475.12 | 473.92 | 473.64 | 150.0 | 28 | 1.02 | 100.000 | 0.010 | 0.48 | 0.04462 |
| CO-2746 | MH-2746 | MH-2747 | 474.79 | 473.33 | 473.05 | 150.0 | 28 | 1.16 | 100.000 | 0.010 | 0.51 | 0.05578 |
| CO-2747 | MH-2747 | MH-2748 | 474.20 | 472.84 | 472.56 | 150.0 | 28 | 1.11 | 100.000 | 0.010 | 0.54 | 0.06694 |
| CO-2749 | MH-2748 | MH-2750 | 473.71 | 472.34 | 472.07 | 150.0 | 27 | 1.11 | 100.000 | 0.010 | 0.57 | 0.07809 |
| CO-2750 | MH-2750 | MH-2751 | 473.22 | 471.94 | 471.64 | 150.0 | 30 | 1.07 | 100.000 | 0.010 | 0.59 | 0.08925 |
| CO-2751 | MH-2751 | MH-2752 | 472.79 | 471.41 | 471.11 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.61 | 0.10040 |
| CO-2752 | MH-2752 | MH-2753 | 472.26 | 471.09 | 470.79 | 150.0 | 30 | 1.01 | 100.000 | 0.010 | 0.63 | 0.11156 |
| CO-2753 | MH-2753 | MH-2754 | 471.94 | 470.79 | 470.55 | 150.0 | 30 | 1.07 | 126.494 | 0.010 | 0.60 | 0.12271 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2754 | MH-2754 | MH-2755 | 471.83 | 470.55 | 470.33 | 150.0 | 30 | 1.17 | 134.755 | 0.010 | 0.60 | 0.13387 |
| CO-2755 | MH-2755 | MH-2756 | 471.70 | 470.33 | 470.13 | 150.0 | 29 | 1.33 | 144.121 | 0.010 | 0.60 | 0.14503 |
| CO-2756 | MH-2756 | MH-2757 | 471.73 | 470.13 | 469.95 | 150.0 | 29 | 1.42 | 152.134 | 0.010 | 0.60 | 0.15618 |
| CO-2757 | MH-2757 | MH-2758 | 471.50 | 469.95 | 469.75 | 150.0 | 32 | 1.21 | 162.748 | 0.010 | 0.60 | 0.16734 |
| CO-2758 | MH-2758 | MH-2759 | 470.91 | 469.75 | 469.59 | 150.0 | 27 | 1.24 | 170.093 | 0.010 | 0.60 | 0.17849 |
| CO-2701 | MH-2702 | MH-2703 | 474.09 | 472.91 | 472.52 | 150.0 | 39 | 1.02 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2702 | MH-2703 | MH-2700 | 473.67 | 472.52 | 472.39 | 150.0 | 20 | 1.00 | 152.202 | 0.010 | 0.34 | 0.02231 |
| CO-2692 | MH-2692 | MH-2693 | 475.93 | 474.78 | 474.66 | 150.0 | 28 | 1.17 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2693 | MH-2693 | MH-2694 | 476.14 | 474.66 | 474.55 | 150.0 | 28 | 1.39 | 250.000 | 0.010 | 0.28 | 0.02231 |
| CO-2694 | MH-2694 | MH-2695 | 476.14 | 474.55 | 474.41 | 150.0 | 34 | 1.37 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-2695 | MH-2695 | MH-2696 | 475.87 | 474.41 | 474.17 | 150.0 | 30 | 1.15 | 124.423 | 0.010 | 0.44 | 0.04462 |
| CO-2696 | MH-2696 | MH-2697 | 475.32 | 473.88 | 473.58 | 150.0 | 30 | 1.14 | 100.000 | 0.010 | 0.51 | 0.05578 |
| CO-2697 | MH-2697 | MH-2698 | 474.73 | 473.38 | 473.07 | 150.0 | 31 | 1.10 | 100.000 | 0.010 | 0.54 | 0.06694 |
| CO-2698 | MH-2698 | MH-2699 | 474.22 | 472.95 | 472.68 | 150.0 | 27 | 1.06 | 100.000 | 0.010 | 0.57 | 0.07809 |
| CO-2699 | MH-2699 | MH-2700 | 473.83 | 472.63 | 472.39 | 150.0 | 24 | 1.02 | 100.000 | 0.010 | 0.59 | 0.08925 |
| CO-2703 | MH-2700 | MH-2704 | 473.54 | 472.39 | 472.15 | 150.0 | 30 | 1.03 | 126.494 | 0.010 | 0.60 | 0.12271 |
| CO-2704 | MH-2704 | MH-2705 | 473.36 | 472.15 | 471.92 | 150.0 | 30 | 1.06 | 134.755 | 0.010 | 0.60 | 0.13387 |
| CO-2705 | MH-2705 | MH-2706 | 473.13 | 471.92 | 471.66 | 150.0 | 37 | 1.11 | 144.121 | 0.010 | 0.60 | 0.14503 |
| CO-2706 | MH-2706 | MH-2707 | 472.97 | 471.66 | 471.47 | 150.0 | 30 | 1.15 | 152.134 | 0.010 | 0.60 | 0.15618 |
| CO-2707 | MH-2707 | MH-2708 | 472.75 | 471.47 | 471.29 | 150.0 | 29 | 1.20 | 162.748 | 0.010 | 0.60 | 0.16734 |
| CO-2708 | MH-2708 | MH-2709 | 472.70 | 471.29 | 471.12 | 150.0 | 30 | 1.27 | 170.093 | 0.010 | 0.60 | 0.17849 |
| CO-2709 | MH-2709 | MH-2710 | 472.55 | 471.12 | 470.99 | 150.0 | 23 | 1.27 | 178.981 | 0.010 | 0.60 | 0.18965 |
| CO-5513 | MH-2710 | MH-5503 | 472.40 | 470.99 | 470.86 | 150.0 | 20 | 1.16 | 153.780 | 0.010 | 0.64 | 0.20081 |
| CO-2712 | MH-2713 | MH-2714 | 473.47 | 472.32 | 472.20 | 150.0 | 30 | 1.01 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2713 | MH-2714 | MH-2715 | 473.38 | 472.20 | 472.08 | 150.0 | 30 | 1.05 | 250.000 | 0.010 | 0.28 | 0.02231 |
| CO-2714 | MH-2715 | MH-2716 | 473.29 | 472.08 | 471.96 | 150.0 | 30 | 1.10 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-2715 | MH-2716 | MH-2717 | 473.25 | 471.96 | 471.84 | 150.0 | 29 | 1.15 | 250.000 | 0.010 | 0.35 | 0.04462 |
| CO-2716 | MH-2717 | MH-2718 | 473.14 | 471.84 | 471.71 | 150.0 | 32 | 1.14 | 250.000 | 0.010 | 0.37 | 0.05578 |
| CO-2717 | MH-2718 | MH-2719 | 472.99 | 471.71 | 471.60 | 150.0 | 28 | 1.07 | 250.000 | 0.010 | 0.39 | 0.06694 |
| CO-2718 | MH-2719 | MH-2720 | 472.77 | 471.60 | 471.45 | 150.0 | 29 | 1.01 | 190.017 | 0.010 | 0.45 | 0.07809 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-5601 | MH-5551 | MH-5552 | 475.12 | 473.97 | 473.87 | 150.0 | 25 | 1.03 | 250.000 | 0.010 | 0.23 | 0.01091 |
| CO-5602 | MH-5552 | MH-5553 | 475.09 | 473.87 | 473.75 | 150.0 | 32 | 1.09 | 250.000 | 0.010 | 0.28 | 0.02181 |
| CO-5612 | MH-5553 | MH-5556 | 475.02 | 473.75 | 473.64 | 150.0 | 27 | 1.20 | 250.000 | 0.010 | 0.32 | 0.03272 |
| CO-2593 | MH-2595 | MH-2596 | 475.55 | 474.40 | 474.28 | 150.0 | 29 | 1.14 | 250.000 | 0.010 | 0.23 | 0.01116 |
| CO-2594 | MH-2596 | MH-2597 | 475.72 | 474.28 | 474.17 | 150.0 | 29 | 1.40 | 250.000 | 0.010 | 0.28 | 0.02231 |
| CO-2595 | MH-2597 | MH-2594 | 475.84 | 474.17 | 474.05 | 150.0 | 30 | 1.53 | 250.000 | 0.010 | 0.32 | 0.03347 |
| CO-2592 | MH-2593 | MH-2594 | 476.28 | 474.88 | 474.60 | 150.0 | 28 | 1.12 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2596 | MH-2594 | MH-2598 | 475.75 | 474.05 | 473.99 | 150.0 | 15 | 1.46 | 250.000 | 0.010 | 0.37 | 0.05578 |
| CO-2597 | MH-2598 | MH-2599 | 475.51 | 473.99 | 473.89 | 150.0 | 25 | 1.27 | 250.000 | 0.010 | 0.39 | 0.06694 |
| CO-5610 | MH-2599 | MH-5556 | 475.21 | 473.89 | 473.82 | 150.0 | 17 | 1.14 | 250.000 | 0.010 | 0.41 | 0.07809 |
| CO-5611 | MH-5556 | MH-2592 | 475.08 | 473.64 | 473.51 | 150.0 | 16 | 1.20 | 125.370 | 0.010 | 0.60 | 0.12171 |
| CO-2584 | MH-2585 | MH-2586 | 477.53 | 476.31 | 476.02 | 150.0 | 29 | 1.03 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2585 | MH-2586 | MH-2587 | 477.17 | 475.64 | 475.36 | 150.0 | 28 | 1.19 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2586 | MH-2587 | MH-2588 | 476.51 | 475.14 | 474.86 | 150.0 | 27 | 1.11 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2587 | MH-2588 | MH-2589 | 476.01 | 474.86 | 474.67 | 150.0 | 27 | 1.00 | 144.609 | 0.010 | 0.42 | 0.04462 |
| CO-2588 | MH-2589 | MH-2590 | 475.82 | 474.67 | 474.44 | 150.0 | 29 | 1.00 | 124.846 | 0.010 | 0.48 | 0.05578 |
| CO-2589 | MH-2590 | MH-2584 | 475.59 | 474.44 | 474.33 | 150.0 | 27 | 1.01 | 250.000 | 0.010 | 0.39 | 0.06694 |
| CO-2574 | MH-2576 | MH-2577 | 479.29 | 478.14 | 477.92 | 150.0 | 23 | 1.00 | 103.054 | 0.010 | 0.31 | 0.01116 |
| CO-2575 | MH-2577 | MH-2578 | 479.07 | 477.76 | 477.46 | 150.0 | 30 | 1.08 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2576 | MH-2578 | MH-2575 | 478.61 | 477.38 | 477.09 | 150.0 | 29 | 1.04 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2577 | MH-2575 | MH-2573 | 478.24 | 477.09 | 476.95 | 150.0 | 36 | 1.11 | 250.000 | 0.010 | 0.35 | 0.04462 |
| CO-5528 | MH-5512 | MH-5513 | 479.28 | 477.92 | 477.68 | 150.0 | 24 | 1.10 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-5530 | MH-5513 | MH-5514 | 478.83 | 477.68 | 477.49 | 150.0 | 21 | 1.00 | 104.310 | 0.010 | 0.39 | 0.02231 |
| CO-5531 | MH-5514 | MH-5506 | 478.64 | 477.43 | 477.22 | 150.0 | 21 | 1.03 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-5515 | MH-5506 | MH-2573 | 478.37 | 477.22 | 477.14 | 150.0 | 19 | 1.02 | 250.000 | 0.010 | 0.35 | 0.04462 |
| CO-2578 | MH-2573 | MH-2579 | 478.33 | 476.95 | 476.68 | 150.0 | 27 | 1.11 | 102.358 | 0.010 | 0.61 | 0.10040 |
| CO-2579 | MH-2579 | MH-2580 | 477.83 | 476.59 | 476.27 | 150.0 | 33 | 1.04 | 100.000 | 0.010 | 0.63 | 0.11156 |
| CO-2580 | MH-2580 | MH-2581 | 477.42 | 475.98 | 475.68 | 150.0 | 31 | 1.14 | 100.000 | 0.010 | 0.65 | 0.12271 |
| CO-2581 | MH-2581 | MH-2582 | 476.83 | 475.62 | 475.41 | 150.0 | 22 | 1.03 | 100.000 | 0.010 | 0.67 | 0.13387 |
| CO-2582 | MH-2582 | MH-2583 | 476.56 | 475.38 | 475.09 | 150.0 | 29 | 1.01 | 100.000 | 0.010 | 0.68 | 0.14503 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2583 | MH-2583 | MH-2584 | 476.24 | 474.76 | 474.36 | 150.0 | 39 | 1.17 | 100.000 | 0.010 | 0.70 | 0.15618 |
| CO-2590 | MH-2584 | MH-2591 | 475.51 | 474.17 | 473.92 | 150.0 | 25 | 1.09 | 100.000 | 0.010 | 0.78 | 0.23427 |
| CO-2591 | MH-2591 | MH-2592 | 475.07 | 473.91 | 473.63 | 150.0 | 28 | 1.01 | 100.000 | 0.010 | 0.80 | 0.24543 |
| CO-2599 | MH-2592 | MH-2600 | 474.78 | 473.51 | 473.41 | 150.0 | 27 | 1.16 | 250.000 | 0.010 | 0.65 | 0.37830 |
| CO-2600 | MH-2600 | MH-2601 | 474.76 | 473.41 | 473.29 | 150.0 | 29 | 1.30 | 250.000 | 0.010 | 0.65 | 0.38945 |
| CO-2601 | MH-2601 | MH-2602 | 474.83 | 473.29 | 473.21 | 150.0 | 20 | 1.42 | 250.000 | 0.010 | 0.66 | 0.40061 |
| CO-2602 | MH-2602 | MH-2603 | 474.81 | 473.21 | 473.07 | 150.0 | 33 | 1.42 | 250.000 | 0.010 | 0.66 | 0.41177 |
| CO-2603 | MH-2603 | MH-2604 | 474.61 | 473.07 | 472.95 | 150.0 | 30 | 1.30 | 250.000 | 0.010 | 0.67 | 0.42292 |
| CO-2604 | MH-2604 | MH-2605 | 474.33 | 472.95 | 472.84 | 150.0 | 29 | 1.15 | 250.000 | 0.010 | 0.67 | 0.43408 |
| CO-2605 | MH-2605 | MH-2606 | 474.06 | 472.84 | 472.64 | 150.0 | 24 | 1.06 | 118.272 | 0.010 | 0.89 | 0.44523 |
| CO-2606 | MH-2606 | MH-2607 | 473.85 | 472.64 | 472.43 | 150.0 | 21 | 1.03 | 100.000 | 0.010 | 0.95 | 0.45639 |
| CO-2607 | MH-2607 | MH-2569 | 473.58 | 472.35 | 472.10 | 150.0 | 25 | 1.04 | 100.000 | 0.010 | 0.96 | 0.46755 |
| CO-2562 | MH-2562 | MH-2563 | 476.26 | 474.90 | 474.62 | 150.0 | 29 | 1.10 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2563 | MH-2563 | MH-2564 | 475.77 | 474.62 | 474.32 | 150.0 | 31 | 1.00 | 104.525 | 0.010 | 0.39 | 0.02231 |
| CO-2564 | MH-2564 | MH-2565 | 475.47 | 474.09 | 473.80 | 150.0 | 28 | 1.11 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2565 | MH-2565 | MH-2561 | 474.95 | 473.42 | 473.13 | 150.0 | 29 | 1.19 | 100.000 | 0.010 | 0.48 | 0.04462 |
| CO-2557 | MH-2557 | MH-2558 | 476.31 | 475.09 | 474.86 | 150.0 | 24 | 1.03 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2558 | MH-2558 | MH-2559 | 476.01 | 474.55 | 474.24 | 150.0 | 31 | 1.15 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2559 | MH-2559 | MH-2560 | 475.39 | 474.13 | 473.86 | 150.0 | 27 | 1.06 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2560 | MH-2560 | MH-2556 | 475.01 | 473.51 | 473.16 | 150.0 | 35 | 1.18 | 100.000 | 0.010 | 0.48 | 0.04462 |
| CO-2545 | MH-2546 | MH-2547 | 477.00 | 475.77 | 475.50 | 150.0 | 27 | 1.04 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2546 | MH-2547 | MH-2548 | 476.65 | 475.50 | 475.36 | 150.0 | 27 | 1.00 | 194.607 | 0.010 | 0.31 | 0.02231 |
| CO-2547 | MH-2548 | MH-2549 | 476.51 | 475.36 | 475.08 | 150.0 | 29 | 1.00 | 104.344 | 0.010 | 0.43 | 0.03347 |
| CO-2548 | MH-2549 | MH-2550 | 476.23 | 475.08 | 474.90 | 150.0 | 31 | 1.00 | 182.561 | 0.010 | 0.39 | 0.04462 |
| CO-2549 | MH-2550 | MH-2551 | 476.05 | 474.90 | 474.78 | 150.0 | 30 | 1.06 | 250.000 | 0.010 | 0.37 | 0.05578 |
| CO-2550 | MH-2551 | MH-2552 | 476.05 | 474.78 | 474.66 | 150.0 | 31 | 1.11 | 250.000 | 0.010 | 0.39 | 0.06694 |
| CO-2551 | MH-2552 | MH-2553 | 475.91 | 474.66 | 474.53 | 150.0 | 28 | 1.05 | 225.711 | 0.010 | 0.43 | 0.07809 |
| CO-2552 | MH-2553 | MH-2544 | 475.68 | 474.53 | 474.26 | 150.0 | 30 | 1.12 | 109.678 | 0.010 | 0.57 | 0.08925 |
| CO-2542 | MH-2542 | MH-2543 | 476.38 | 475.05 | 474.76 | 150.0 | 30 | 1.09 | 100.000 | 0.010 | 0.31 | 0.01116 |
| CO-2543 | MH-2543 | MH-2544 | 475.91 | 474.73 | 474.50 | 150.0 | 23 | 1.01 | 100.000 | 0.010 | 0.39 | 0.02231 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|------------------------------------|----------------|-------------------|---------------|
| CO-2553 | MH-2544 | MH-2554 | 475.65 | 474.26 | 473.95 | 150.0 | 30 | 1.12 | 100.000 | 0.010 | 0.65 | 0.12271 |
| CO-2554 | MH-2554 | MH-2541 | 475.10 | 473.76 | 473.46 | 150.0 | 30 | 1.10 | 100.000 | 0.010 | 0.67 | 0.13387 |
| CO-2535 | MH-2534 | MH-2535 | 476.71 | 475.56 | 475.35 | 150.0 | 30 | 1.00 | 145.001 | 0.010 | 0.28 | 0.01116 |
| CO-2536 | MH-2535 | MH-2536 | 476.50 | 475.35 | 475.07 | 150.0 | 34 | 1.02 | 121.941 | 0.010 | 0.36 | 0.02231 |
| CO-2537 | MH-2536 | MH-2537 | 476.26 | 475.07 | 474.78 | 150.0 | 28 | 1.02 | 100.000 | 0.010 | 0.44 | 0.03347 |
| CO-2538 | MH-2537 | MH-2538 | 475.93 | 474.63 | 474.32 | 150.0 | 31 | 1.08 | 100.000 | 0.010 | 0.48 | 0.04462 |
| CO-2539 | MH-2538 | MH-2539 | 475.47 | 474.32 | 474.04 | 150.0 | 31 | 1.00 | 109.131 | 0.010 | 0.50 | 0.05578 |
| CO-2540 | MH-2539 | MH-2540 | 475.19 | 474.04 | 473.72 | 150.0 | 32 | 1.00 | 100.000 | 0.010 | 0.54 | 0.06694 |
| CO-2541 | MH-2540 | MH-2541 | 474.87 | 473.72 | 473.46 | 150.0 | 36 | 1.00 | 140.823 | 0.010 | 0.50 | 0.07809 |
| CO-2555 | MH-2541 | MH-2555 | 474.61 | 473.46 | 473.22 | 150.0 | 31 | 1.00 | 128.736 | 0.010 | 0.71 | 0.22312 |
| CO-2556 | MH-2555 | MH-2556 | 474.37 | 473.22 | 473.07 | 150.0 | 31 | 1.04 | 211.381 | 0.010 | 0.60 | 0.23427 |
| CO-2561 | MH-2556 | MH-2561 | 474.31 | 473.07 | 472.90 | 150.0 | 43 | 1.16 | 249.321 | 0.010 | 0.60 | 0.29005 |
| CO-2566 | MH-2561 | MH-2566 | 474.28 | 472.90 | 472.75 | 150.0 | 37 | 1.27 | 250.000 | 0.010 | 0.63 | 0.34583 |
| CO-2567 | MH-2566 | MH-2567 | 474.20 | 472.75 | 472.63 | 150.0 | 29 | 1.28 | 250.000 | 0.010 | 0.64 | 0.35699 |
| CO-2568 | MH-2567 | MH-2568 | 474.04 | 472.63 | 472.41 | 150.0 | 30 | 1.25 | 133.366 | 0.010 | 0.81 | 0.36814 |
| CO-2569 | MH-2568 | MH-2569 | 473.81 | 472.41 | 472.10 | 150.0 | 30 | 1.13 | 100.000 | 0.010 | 0.90 | 0.37930 |
| CO-5504 | MH-2569 | MH-5501 | 473.25 | 472.10 | 471.85 | 150.0 | 30 | 1.00 | 122.835 | 0.010 | 1.04 | 0.85800 |
| CO-5506 | MH-5501 | MH-5502 | 473.00 | 471.85 | 471.64 | 150.0 | 27 | 1.00 | 126.068 | 0.010 | 1.03 | 0.86916 |
| CO-5507 | MH-5502 | MH-2720 | 472.79 | 471.64 | 471.45 | 150.0 | 23 | 1.00 | 121.860 | 0.010 | 1.05 | 0.88031 |
| CO-5509 | MH-2720 | MH-5503 | 472.60 | 471.16 | 470.92 | 150.0 | 24 | 1.14 | 100.000 | 0.010 | 1.16 | 0.96956 |
| CO-5511 | MH-5503 | MH-5504 | 472.07 | 470.86 | 470.61 | 150.0 | 25 | 1.03 | 100.000 | 0.010 | 1.21 | 1.18152 |
| CO-5512 | MH-5504 | MH-2762 | 471.76 | 470.50 | 470.22 | 150.0 | 28 | 1.05 | 100.000 | 0.010 | 1.21 | 1.19267 |
| CO-2759 | MH-2760 | MH-2761 | 471.95 | 470.80 | 470.55 | 150.0 | 25 | 1.00 | 100.616 | 0.010 | 0.31 | 0.01116 |
| CO-2760 | MH-2761 | MH-2762 | 471.70 | 470.50 | 470.22 | 150.0 | 28 | 1.02 | 100.000 | 0.010 | 0.39 | 0.02231 |
| CO-2761 | MH-2762 | MH-2759 | 471.37 | 470.18 | 470.06 | 150.0 | 12 | 1.02 | 100.000 | 0.010 | 1.22 | 1.22614 |
| CO-5538 | MH-2759 | MH-5520 | 471.21 | 469.57 | 469.47 | 170.0 | 26 | 1.26 | 250.000 | 0.010 | 0.88 | 1.41579 |
| CO-5540 | MH-5520 | MH-5521 | 470.69 | 469.47 | 469.37 | 170.0 | 25 | 1.09 | 250.000 | 0.010 | 0.88 | 1.42695 |
| CO-5542 | MH-5521 | MH-5522 | 470.67 | 469.08 | 468.78 | 170.0 | 30 | 1.21 | 100.000 | 0.010 | 1.27 | 1.43810 |
| CO-5544 | MH-5522 | MH-5523 | 469.95 | 468.78 | 468.62 | 170.0 | 37 | 1.00 | 223.302 | 0.010 | 0.92 | 1.44926 |
| CO-5546 | MH-5523 | MH-5524 | 469.79 | 468.62 | 468.52 | 170.0 | 25 | 1.18 | 250.000 | 0.010 | 0.88 | 1.46041 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5548 | MH-5524 | MH-5525 | 470.05 | 468.52 | 468.29 | 170.0 | 24 | 1.35 | 106.376 | 0.010 | 1.25 | 1.47157 |
| CO-5549 | MH-5525 | OF-3 | 469.79 | 468.29 | 468.09 | 170.0 | 20 | 1.16 | 100.000 | 0.010 | 1.28 | 1.48273 |

Hydraulic Model Inventory: Zone X Part VI.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part VI) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 27-11-2014 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 493 | Taps | 0 |
| -Circle | 493 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 493 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|----------|
| Circle - 150.0 mm | 11,532 m | Circle - 250.0 mm | 429 m |
| Circle - 170.0 mm | 524 m | Circle - 350.0 mm | 504 m |
| Circle - 200.0 mm | 169 m | Total Length | 13,158 m |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| C | MH-1979 | MH-1980 | 463.30 | 462.15 | 461.82 | 150.0 | 24 | 1.09 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1982 | MH-1980 | MH-1981 | 463.14 | 461.82 | 461.59 | 150.0 | 31 | 1.16 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1983 | MH-1981 | MH-1982 | 462.88 | 461.59 | 461.42 | 150.0 | 32 | 1.08 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1984 | MH-1982 | MH-1983 | 462.58 | 461.42 | 461.22 | 150.0 | 25 | 1.01 | 126.71777 | 0.010 | 0.51 | 0.07 |
| CO-1985 | MH-1983 | MH-1984 | 462.37 | 461.22 | 461.14 | 150.0 | 24 | 1.06 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-1986 | MH-1984 | MH-1985 | 462.41 | 461.14 | 461.05 | 150.0 | 28 | 1.12 | 338.94955 | 0.010 | 0.40 | 0.10 |
| CO-1987 | MH-1985 | MH-1986 | 462.32 | 461.05 | 460.97 | 150.0 | 30 | 1.06 | 349.37212 | 0.010 | 0.41 | 0.12 |
| CO-1988 | MH-1986 | MH-1987 | 462.12 | 460.97 | 460.80 | 150.0 | 31 | 1.00 | 182.88000 | 0.010 | 0.54 | 0.14 |
| CO-1989 | MH-1987 | MH-1978 | 461.95 | 460.80 | 460.34 | 150.0 | 29 | 1.00 | 62.94783 | 0.010 | 0.82 | 0.15 |
| CO-2096 | MH-2096 | MH-2097 | 462.43 | 461.28 | 460.91 | 150.0 | 27 | 1.17 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-2097 | MH-2097 | MH-2095 | 462.40 | 460.91 | 460.64 | 150.0 | 37 | 1.47 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-2093 | MH-2093 | MH-2094 | 462.04 | 460.89 | 460.43 | 150.0 | 34 | 1.19 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-2094 | MH-2094 | MH-2092 | 461.95 | 460.43 | 460.26 | 150.0 | 22 | 1.42 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-2090 | MH-2090 | MH-2091 | 461.57 | 460.42 | 460.01 | 150.0 | 30 | 1.10 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-2091 | MH-2091 | MH-2089 | 461.36 | 460.01 | 459.65 | 150.0 | 23 | 1.31 | 64.00121 | 0.010 | 0.52 | 0.03 |
| CO-2087 | MH-2087 | MH-2088 | 461.60 | 460.45 | 459.89 | 150.0 | 31 | 1.00 | 55.51714 | 0.010 | 0.44 | 0.02 |
| CO-2088 | MH-2088 | MH-2086 | 461.04 | 459.89 | 459.71 | 150.0 | 23 | 1.00 | 128.69333 | 0.010 | 0.41 | 0.03 |
| CO-2084 | MH-2084 | MH-2085 | 462.60 | 461.28 | 460.65 | 150.0 | 31 | 1.09 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-2085 | MH-2085 | MH-2083 | 461.80 | 460.55 | 459.93 | 150.0 | 31 | 1.05 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-2081 | MH-2081 | MH-2082 | 463.00 | 461.70 | 461.10 | 150.0 | 30 | 1.07 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-2082 | MH-2082 | MH-2080 | 462.25 | 460.98 | 460.39 | 150.0 | 30 | 1.06 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-2078 | MH-2078 | MH-2079 | 463.37 | 462.22 | 461.83 | 150.0 | 28 | 1.00 | 71.12000 | 0.010 | 0.40 | 0.02 |
| CO-2079 | MH-2079 | MH-2075 | 462.98 | 461.65 | 461.04 | 150.0 | 30 | 1.09 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-5684 | MH-5635 | MH-5637 | 464.98 | 463.76 | 463.19 | 150.0 | 29 | 1.03 | 50.00000 | 0.010 | 0.45 | 0.02 |
| CO-5685 | MH-5637 | MH-2077 | 464.34 | 463.14 | 462.74 | 150.0 | 20 | 1.02 | 50.00000 | 0.010 | 0.56 | 0.03 |
| CO-2077 | MH-2077 | MH-2075 | 463.89 | 461.28 | 461.04 | 150.0 | 12 | 1.73 | 50.00000 | 0.010 | 0.64 | 0.05 |
| CO-2080 | MH-2075 | MH-2080 | 462.19 | 460.82 | 460.39 | 150.0 | 22 | 1.11 | 50.00000 | 0.010 | 0.79 | 0.10 |
| CO-2083 | MH-2080 | MH-2083 | 461.54 | 460.39 | 459.93 | 150.0 | 25 | 1.00 | 54.33391 | 0.010 | 0.86 | 0.15 |
| CO-2086 | MH-2083 | MH-2086 | 461.08 | 459.93 | 459.71 | 150.0 | 30 | 1.00 | 135.77455 | 0.010 | 0.68 | 0.20 |
| CO-2089 | MH-2086 | MH-2089 | 460.86 | 459.71 | 459.65 | 150.0 | 24 | 1.21 | 400.00000 | 0.010 | 0.49 | 0.26 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2092 | MH-2089 | MH-2092 | 461.22 | 459.65 | 459.58 | 150.0 | 27 | 1.78 | 400.00000 | 0.010 | 0.51 | 0.31 |
| CO-2095 | MH-2092 | MH-2095 | 461.88 | 459.58 | 459.53 | 150.0 | 23 | 2.43 | 400.00000 | 0.010 | 0.54 | 0.36 |
| CO-2098 | MH-2095 | MH-2098 | 462.39 | 459.53 | 459.46 | 150.0 | 24 | 2.82 | 400.00000 | 0.010 | 0.55 | 0.41 |
| CO-5566 | MH-5556 | MH-2099 | 462.55 | 461.40 | 461.05 | 150.0 | 25 | 1.16 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-2099 | MH-2099 | MH-2098 | 462.52 | 461.05 | 460.77 | 150.0 | 37 | 1.47 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-2100 | MH-2098 | MH-2100 | 462.55 | 459.46 | 459.37 | 150.0 | 38 | 2.96 | 400.00000 | 0.010 | 0.57 | 0.46 |
| CO-2101 | MH-2100 | MH-2101 | 462.50 | 459.37 | 459.29 | 150.0 | 32 | 3.01 | 400.00000 | 0.010 | 0.58 | 0.48 |
| CO-2102 | MH-2101 | MH-2102 | 462.47 | 459.29 | 459.22 | 150.0 | 28 | 3.05 | 400.00000 | 0.010 | 0.58 | 0.50 |
| CO-2103 | MH-2102 | MH-2103 | 462.44 | 459.22 | 459.13 | 150.0 | 38 | 3.10 | 400.00000 | 0.010 | 0.59 | 0.51 |
| CO-2104 | MH-2103 | MH-2072 | 462.41 | 459.13 | 459.04 | 150.0 | 34 | 3.16 | 400.00000 | 0.010 | 0.59 | 0.53 |
| CO-2051 | MH-2049 | MH-2050 | 467.32 | 466.17 | 465.74 | 150.0 | 31 | 1.23 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-2052 | MH-2050 | MH-2051 | 467.35 | 465.74 | 465.53 | 150.0 | 29 | 1.38 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-2053 | MH-2051 | MH-2052 | 466.98 | 465.53 | 465.24 | 150.0 | 31 | 1.15 | 109.60652 | 0.010 | 0.49 | 0.05 |
| CO-2054 | MH-2052 | MH-2053 | 466.39 | 465.24 | 464.90 | 150.0 | 30 | 1.00 | 89.64706 | 0.010 | 0.57 | 0.07 |
| CO-2055 | MH-2053 | MH-2054 | 466.05 | 464.90 | 464.56 | 150.0 | 22 | 1.00 | 63.64941 | 0.010 | 0.68 | 0.09 |
| CO-2056 | MH-2054 | MH-2055 | 465.71 | 464.24 | 463.81 | 150.0 | 21 | 1.16 | 50.00000 | 0.010 | 0.78 | 0.10 |
| CO-5682 | MH-5634 | MH-2055 | 466.38 | 464.30 | 463.81 | 150.0 | 24 | 1.47 | 50.00000 | 0.010 | 0.45 | 0.02 |
| CO-2058 | MH-2055 | MH-2057 | 464.96 | 463.67 | 463.33 | 150.0 | 17 | 1.07 | 50.00000 | 0.010 | 0.86 | 0.14 |
| CO-2059 | MH-2057 | MH-2058 | 464.48 | 463.33 | 463.25 | 150.0 | 31 | 1.16 | 400.00000 | 0.010 | 0.42 | 0.15 |
| CO-2060 | MH-2058 | MH-2059 | 464.72 | 463.25 | 463.18 | 150.0 | 29 | 1.39 | 400.00000 | 0.010 | 0.44 | 0.17 |
| CO-2061 | MH-2059 | MH-2060 | 464.80 | 463.18 | 463.11 | 150.0 | 28 | 1.43 | 400.00000 | 0.010 | 0.45 | 0.19 |
| CO-2062 | MH-2060 | MH-2061 | 464.65 | 463.11 | 462.73 | 150.0 | 27 | 1.22 | 70.20476 | 0.010 | 0.86 | 0.20 |
| CO-2063 | MH-2061 | MH-2062 | 463.93 | 462.73 | 462.22 | 150.0 | 26 | 1.02 | 50.00000 | 0.010 | 0.99 | 0.22 |
| CO-2064 | MH-2062 | MH-2063 | 463.37 | 462.22 | 461.85 | 150.0 | 23 | 1.00 | 62.60757 | 0.010 | 0.93 | 0.24 |
| CO-2065 | MH-2063 | MH-2064 | 463.00 | 461.85 | 461.45 | 150.0 | 27 | 1.00 | 66.82878 | 0.010 | 0.93 | 0.26 |
| CO-2066 | MH-2064 | MH-2065 | 462.60 | 461.45 | 460.90 | 150.0 | 27 | 1.00 | 50.00000 | 0.010 | 1.05 | 0.27 |
| CO-2067 | MH-2065 | MH-2066 | 462.05 | 460.90 | 460.45 | 150.0 | 28 | 1.00 | 62.99200 | 0.010 | 0.98 | 0.29 |
| CO-2068 | MH-2066 | MH-2067 | 461.60 | 460.45 | 460.39 | 150.0 | 25 | 1.28 | 400.00000 | 0.010 | 0.51 | 0.31 |
| CO-2069 | MH-2067 | MH-2068 | 462.10 | 460.39 | 460.34 | 150.0 | 21 | 1.75 | 400.00000 | 0.010 | 0.52 | 0.32 |
| CO-2070 | MH-2068 | MH-2069 | 462.43 | 460.34 | 460.25 | 150.0 | 35 | 2.02 | 400.00000 | 0.010 | 0.53 | 0.34 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-2071 | MH-2069 | MH-2070 | 462.50 | 460.25 | 460.17 | 150.0 | 31 | 2.06 | 400.00000 | 0.010 | 0.54 | 0.36 |
| CO-2072 | MH-2070 | MH-2071 | 462.34 | 460.17 | 460.10 | 150.0 | 30 | 1.95 | 400.00000 | 0.010 | 0.54 | 0.38 |
| CO-2073 | MH-2071 | MH-2072 | 462.12 | 460.10 | 460.03 | 150.0 | 28 | 2.04 | 400.00000 | 0.010 | 0.55 | 0.39 |
| CO-2105 | MH-2072 | MH-1988 | 462.38 | 459.02 | 458.96 | 170.0 | 26 | 3.21 | 400.00000 | 0.010 | 0.67 | 0.94 |
| CO-1996 | MH-1995 | MH-1994 | 462.37 | 461.22 | 460.89 | 150.0 | 20 | 1.10 | 60.23332 | 0.010 | 0.43 | 0.02 |
| CO-1991 | MH-1989 | MH-1990 | 463.59 | 462.44 | 462.03 | 150.0 | 30 | 1.05 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1992 | MH-1990 | MH-1991 | 463.27 | 462.03 | 461.77 | 150.0 | 31 | 1.05 | 122.16540 | 0.010 | 0.41 | 0.03 |
| CO-1993 | MH-1991 | MH-1992 | 462.92 | 461.77 | 461.45 | 150.0 | 22 | 1.00 | 68.58000 | 0.010 | 0.57 | 0.05 |
| CO-1994 | MH-1992 | MH-1993 | 462.60 | 461.45 | 460.98 | 150.0 | 26 | 1.00 | 54.47489 | 0.010 | 0.68 | 0.07 |
| CO-1995 | MH-1993 | MH-1994 | 462.13 | 460.98 | 460.89 | 150.0 | 26 | 1.10 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-1997 | MH-1994 | MH-1996 | 462.25 | 460.89 | 460.83 | 150.0 | 25 | 1.34 | 384.60050 | 0.010 | 0.40 | 0.12 |
| CO-1998 | MH-1996 | MH-1997 | 462.44 | 460.83 | 460.75 | 150.0 | 31 | 1.50 | 400.00000 | 0.010 | 0.41 | 0.14 |
| CO-1999 | MH-1997 | MH-1998 | 462.43 | 460.75 | 460.67 | 150.0 | 30 | 1.48 | 400.00000 | 0.010 | 0.43 | 0.15 |
| CO-2000 | MH-1998 | MH-1999 | 462.26 | 460.67 | 460.60 | 150.0 | 29 | 1.38 | 400.00000 | 0.010 | 0.44 | 0.17 |
| CO-2001 | MH-1999 | MH-1988 | 462.07 | 460.60 | 460.53 | 150.0 | 30 | 1.50 | 400.00000 | 0.010 | 0.45 | 0.19 |
| CO-1990 | MH-1988 | MH-1978 | 462.35 | 458.96 | 458.89 | 170.0 | 29 | 2.83 | 400.00000 | 0.010 | 0.69 | 1.14 |
| CO-1980 | MH-1978 | MH-1977 | 461.49 | 458.86 | 458.81 | 200.0 | 20 | 2.44 | 400.00000 | 0.010 | 0.74 | 1.32 |
| CO-1979 | MH-1977 | MH-1976 | 461.46 | 458.81 | 458.73 | 200.0 | 30 | 2.49 | 400.00000 | 0.010 | 0.74 | 1.33 |
| CO-1978 | MH-1976 | MH-1947 | 461.45 | 458.68 | 458.65 | 250.0 | 25 | 2.36 | 1,000.00000 | 0.010 | 0.53 | 1.35 |
| CO-1975 | MH-1974 | MH-1975 | 461.89 | 460.74 | 460.39 | 150.0 | 25 | 1.04 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1976 | MH-1975 | MH-1973 | 461.62 | 460.39 | 460.13 | 150.0 | 26 | 1.04 | 98.39828 | 0.010 | 0.44 | 0.03 |
| CO-1972 | MH-1971 | MH-1972 | 462.06 | 460.91 | 460.49 | 150.0 | 30 | 1.07 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1973 | MH-1972 | MH-1970 | 461.79 | 460.49 | 460.26 | 150.0 | 31 | 1.09 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1969 | MH-1968 | MH-1969 | 462.21 | 461.06 | 460.60 | 150.0 | 33 | 1.09 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1970 | MH-1969 | MH-1967 | 461.93 | 460.60 | 460.39 | 150.0 | 28 | 1.19 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1966 | MH-1965 | MH-1966 | 462.37 | 461.22 | 460.79 | 150.0 | 31 | 1.10 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1967 | MH-1966 | MH-1964 | 462.14 | 460.79 | 460.51 | 150.0 | 30 | 1.18 | 107.20804 | 0.010 | 0.43 | 0.03 |
| CO-1963 | MH-1962 | MH-1963 | 462.54 | 461.39 | 460.99 | 150.0 | 29 | 1.03 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1964 | MH-1963 | MH-1961 | 462.21 | 460.99 | 460.60 | 150.0 | 29 | 1.07 | 74.13304 | 0.010 | 0.49 | 0.03 |
| CO-1960 | MH-1959 | MH-1960 | 462.72 | 461.57 | 461.14 | 150.0 | 28 | 1.00 | 65.21302 | 0.010 | 0.41 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-1961 | MH-1960 | MH-1958 | 462.29 | 461.14 | 460.67 | 150.0 | 31 | 1.00 | 66.79660 | 0.010 | 0.51 | 0.03 |
| CO-1957 | MH-1956 | MH-1957 | 462.92 | 461.77 | 461.33 | 150.0 | 30 | 1.00 | 69.27273 | 0.010 | 0.41 | 0.02 |
| CO-1958 | MH-1957 | MH-1955 | 462.48 | 461.33 | 460.78 | 150.0 | 37 | 1.00 | 67.05600 | 0.010 | 0.51 | 0.03 |
| CO-1954 | MH-1953 | MH-1954 | 463.05 | 461.90 | 461.43 | 150.0 | 30 | 1.00 | 62.90553 | 0.010 | 0.42 | 0.02 |
| CO-1955 | MH-1954 | MH-1952 | 462.58 | 461.43 | 460.89 | 150.0 | 31 | 1.00 | 58.13778 | 0.010 | 0.54 | 0.03 |
| CO-1951 | MH-1950 | MH-1951 | 463.16 | 462.01 | 461.54 | 150.0 | 30 | 1.00 | 62.90553 | 0.010 | 0.42 | 0.02 |
| CO-1952 | MH-1951 | MH-1949 | 462.69 | 461.54 | 461.06 | 150.0 | 30 | 1.00 | 62.86500 | 0.010 | 0.52 | 0.03 |
| CO-1924 | MH-1922 | MH-1923 | 463.65 | 462.50 | 462.07 | 150.0 | 31 | 1.08 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1925 | MH-1923 | MH-1924 | 463.38 | 462.07 | 461.85 | 150.0 | 28 | 1.42 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1926 | MH-1924 | MH-1925 | 463.68 | 461.85 | 461.71 | 150.0 | 27 | 1.93 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1927 | MH-1925 | MH-1921 | 464.05 | 461.71 | 461.57 | 150.0 | 35 | 2.46 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1911 | MH-1909 | MH-1910 | 468.27 | 467.12 | 466.69 | 150.0 | 31 | 1.28 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1912 | MH-1910 | MH-1911 | 468.41 | 466.69 | 466.51 | 150.0 | 24 | 1.45 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1913 | MH-1911 | MH-1912 | 468.00 | 466.51 | 466.37 | 150.0 | 27 | 1.19 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1914 | MH-1912 | MH-1913 | 467.57 | 466.37 | 465.97 | 150.0 | 24 | 1.02 | 60.15281 | 0.010 | 0.65 | 0.07 |
| CO-1915 | MH-1913 | MH-1914 | 467.12 | 465.97 | 465.65 | 150.0 | 29 | 1.00 | 89.53500 | 0.010 | 0.61 | 0.09 |
| CO-1916 | MH-1914 | MH-1915 | 466.80 | 465.65 | 465.42 | 150.0 | 23 | 1.00 | 99.39130 | 0.010 | 0.62 | 0.10 |
| CO-1917 | MH-1915 | MH-1916 | 466.57 | 465.42 | 465.22 | 150.0 | 22 | 1.00 | 108.20400 | 0.010 | 0.63 | 0.12 |
| CO-1918 | MH-1916 | MH-1917 | 466.37 | 465.22 | 465.12 | 150.0 | 29 | 1.00 | 289.56000 | 0.010 | 0.46 | 0.14 |
| CO-1919 | MH-1917 | MH-1918 | 466.27 | 465.12 | 464.85 | 150.0 | 30 | 1.00 | 111.76000 | 0.010 | 0.67 | 0.15 |
| CO-1920 | MH-1918 | MH-1919 | 466.00 | 464.85 | 464.28 | 150.0 | 30 | 1.00 | 52.93895 | 0.010 | 0.89 | 0.17 |
| CO-1921 | MH-1919 | MH-1920 | 465.43 | 464.28 | 463.84 | 150.0 | 24 | 1.00 | 54.72545 | 0.010 | 0.91 | 0.19 |
| CO-1922 | MH-1920 | MH-1908 | 464.99 | 463.76 | 463.38 | 150.0 | 19 | 1.04 | 50.00000 | 0.010 | 0.96 | 0.21 |
| CO-1685 | MH-1687 | MH-1688 | 466.21 | 465.06 | 464.68 | 150.0 | 28 | 1.01 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1686 | MH-1688 | MH-1686 | 465.84 | 464.68 | 464.28 | 150.0 | 42 | 1.01 | 106.85728 | 0.010 | 0.43 | 0.03 |
| CO-1682 | MH-1684 | MH-1685 | 466.55 | 465.40 | 464.94 | 150.0 | 32 | 1.00 | 68.91130 | 0.010 | 0.41 | 0.02 |
| CO-1683 | MH-1685 | MH-1683 | 466.09 | 464.94 | 464.58 | 150.0 | 31 | 1.00 | 87.20667 | 0.010 | 0.47 | 0.03 |
| CO-1679 | MH-1681 | MH-1682 | 466.79 | 465.64 | 465.13 | 150.0 | 30 | 1.00 | 59.76471 | 0.010 | 0.43 | 0.02 |
| CO-1680 | MH-1682 | MH-1680 | 466.28 | 465.13 | 464.80 | 150.0 | 33 | 1.00 | 99.75273 | 0.010 | 0.44 | 0.03 |
| CO-1676 | MH-1678 | MH-1679 | 467.22 | 465.96 | 465.47 | 150.0 | 25 | 1.05 | 50.00000 | 0.010 | 0.46 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-1677 | MH-1679 | MH-1677 | 466.62 | 465.47 | 465.12 | 150.0 | 32 | 1.00 | 90.56914 | 0.010 | 0.46 | 0.03 |
| CO-1673 | MH-1675 | MH-1676 | 467.50 | 466.30 | 465.72 | 150.0 | 29 | 1.03 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1674 | MH-1676 | MH-1674 | 466.87 | 465.72 | 465.34 | 150.0 | 33 | 1.00 | 86.62737 | 0.010 | 0.47 | 0.03 |
| CO-5607 | MH-5581 | MH-5586 | 466.10 | 464.95 | 464.62 | 150.0 | 24 | 1.29 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5609 | MH-5586 | MH-5587 | 466.35 | 464.62 | 464.38 | 150.0 | 31 | 1.86 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-5611 | MH-5587 | MH-5588 | 466.68 | 464.38 | 464.23 | 150.0 | 29 | 2.38 | 186.14527 | 0.010 | 0.40 | 0.05 |
| CO-5613 | MH-5588 | MH-5589 | 466.98 | 464.23 | 464.10 | 150.0 | 30 | 2.83 | 240.31124 | 0.010 | 0.40 | 0.07 |
| CO-5615 | MH-5589 | MH-5590 | 467.29 | 464.10 | 464.02 | 150.0 | 23 | 3.20 | 286.95542 | 0.010 | 0.40 | 0.08 |
| CO-5616 | MH-5590 | MH-1672 | 467.53 | 464.02 | 463.94 | 150.0 | 26 | 3.54 | 335.59671 | 0.010 | 0.40 | 0.10 |
| CO-1670 | MH-1672 | MH-1673 | 467.81 | 463.94 | 463.87 | 150.0 | 28 | 3.42 | 380.31484 | 0.010 | 0.40 | 0.12 |
| CO-1671 | MH-1673 | MH-1671 | 467.15 | 463.87 | 463.80 | 150.0 | 29 | 2.96 | 400.00000 | 0.010 | 0.41 | 0.14 |
| CO-5656 | MH-5617 | MH-5618 | 470.38 | 469.23 | 468.82 | 150.0 | 22 | 1.00 | 53.24189 | 0.010 | 0.44 | 0.02 |
| CO-5658 | MH-5618 | MH-5619 | 469.97 | 468.82 | 468.37 | 150.0 | 24 | 1.00 | 53.24189 | 0.010 | 0.55 | 0.03 |
| CO-5660 | MH-5619 | MH-5620 | 469.52 | 468.37 | 467.89 | 150.0 | 25 | 1.00 | 53.24189 | 0.010 | 0.62 | 0.05 |
| CO-5662 | MH-5620 | MH-5621 | 469.04 | 467.89 | 467.40 | 150.0 | 26 | 1.00 | 53.24189 | 0.010 | 0.68 | 0.07 |
| CO-5663 | MH-5621 | MH-1669 | 468.55 | 467.40 | 466.90 | 150.0 | 27 | 1.00 | 53.24189 | 0.010 | 0.73 | 0.08 |
| CO-1667 | MH-1669 | MH-1670 | 468.05 | 466.74 | 466.16 | 150.0 | 29 | 1.08 | 50.00000 | 0.010 | 0.79 | 0.10 |
| CO-1668 | MH-1670 | MH-1668 | 467.31 | 466.16 | 465.85 | 150.0 | 26 | 1.00 | 82.59097 | 0.010 | 0.69 | 0.12 |
| CO-1664 | MH-1666 | MH-1667 | 468.38 | 467.08 | 466.51 | 150.0 | 28 | 1.08 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1665 | MH-1667 | MH-1665 | 467.66 | 466.47 | 466.00 | 150.0 | 23 | 1.02 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-1658 | MH-1660 | MH-1661 | 469.40 | 468.25 | 467.81 | 150.0 | 23 | 1.00 | 51.95455 | 0.010 | 0.45 | 0.02 |
| CO-1659 | MH-1661 | MH-1662 | 468.96 | 467.76 | 467.35 | 150.0 | 20 | 1.03 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-1660 | MH-1662 | MH-1659 | 468.50 | 467.33 | 466.95 | 150.0 | 19 | 1.01 | 50.00000 | 0.010 | 0.64 | 0.05 |
| CO-1651 | MH-1653 | MH-1654 | 470.00 | 468.85 | 468.33 | 150.0 | 33 | 1.00 | 63.30462 | 0.010 | 0.42 | 0.02 |
| CO-1652 | MH-1654 | MH-1652 | 469.48 | 468.15 | 467.52 | 150.0 | 32 | 1.09 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-5584 | MH-5568 | MH-1645 | 470.87 | 469.53 | 469.10 | 150.0 | 21 | 1.10 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1642 | MH-1645 | MH-1646 | 470.25 | 469.10 | 468.93 | 150.0 | 23 | 1.12 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1643 | MH-1646 | MH-1644 | 470.31 | 468.93 | 468.77 | 150.0 | 29 | 1.43 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-5635 | MH-5602 | MH-5603 | 474.26 | 473.11 | 472.66 | 150.0 | 29 | 1.00 | 64.65988 | 0.010 | 0.41 | 0.02 |
| CO-5637 | MH-5603 | MH-5604 | 473.81 | 472.66 | 472.22 | 150.0 | 28 | 1.00 | 64.65988 | 0.010 | 0.51 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5639 | MH-5604 | MH-5605 | 473.37 | 472.22 | 471.85 | 150.0 | 24 | 1.00 | 64.65988 | 0.010 | 0.58 | 0.05 |
| CO-5640 | MH-5605 | MH-1634 | 473.00 | 471.85 | 471.38 | 150.0 | 30 | 1.00 | 64.65988 | 0.010 | 0.63 | 0.07 |
| CO-1631 | MH-1634 | MH-1635 | 472.53 | 471.38 | 471.23 | 150.0 | 29 | 1.00 | 195.07200 | 0.010 | 0.46 | 0.08 |
| CO-1632 | MH-1635 | MH-1636 | 472.38 | 471.23 | 470.82 | 150.0 | 33 | 1.00 | 79.54537 | 0.010 | 0.67 | 0.10 |
| CO-1633 | MH-1636 | MH-1637 | 471.97 | 470.82 | 470.27 | 150.0 | 31 | 1.00 | 57.08073 | 0.010 | 0.78 | 0.12 |
| CO-1634 | MH-1637 | MH-1621 | 471.42 | 470.27 | 469.72 | 150.0 | 30 | 1.00 | 55.41818 | 0.010 | 0.82 | 0.14 |
| CO-5575 | MH-5560 | MH-5561 | 469.35 | 468.20 | 467.89 | 150.0 | 22 | 1.35 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5576 | MH-5561 | MH-5562 | 469.74 | 467.89 | 467.77 | 150.0 | 17 | 1.57 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-5577 | MH-5562 | MH-5563 | 469.37 | 467.77 | 467.65 | 150.0 | 22 | 1.67 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-5578 | MH-5563 | MH-5564 | 469.69 | 467.65 | 467.58 | 150.0 | 18 | 2.07 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-5579 | MH-5564 | MH-5565 | 469.97 | 467.58 | 467.50 | 150.0 | 21 | 2.32 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-5580 | MH-5565 | MH-5566 | 470.05 | 467.50 | 467.43 | 150.0 | 26 | 2.58 | 338.94955 | 0.010 | 0.40 | 0.10 |
| CO-5583 | MH-5566 | MH-5567 | 470.35 | 467.43 | 467.37 | 150.0 | 23 | 3.15 | 384.60050 | 0.010 | 0.40 | 0.12 |
| CO-1615 | MH-1618 | MH-1617 | 472.37 | 471.22 | 470.62 | 150.0 | 36 | 1.20 | 59.13798 | 0.010 | 0.43 | 0.02 |
| CO-1606 | MH-1605 | MH-1609 | 472.53 | 471.38 | 470.93 | 150.0 | 32 | 1.22 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1610 | MH-1609 | MH-1613 | 472.53 | 470.93 | 470.70 | 150.0 | 31 | 1.49 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1614 | MH-1613 | MH-1617 | 472.39 | 470.70 | 470.62 | 150.0 | 16 | 1.47 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1616 | MH-1617 | MH-1619 | 472.17 | 470.62 | 470.55 | 150.0 | 20 | 1.21 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-1617 | MH-1619 | MH-1620 | 471.71 | 470.55 | 470.12 | 150.0 | 23 | 1.01 | 54.71050 | 0.010 | 0.76 | 0.10 |
| CO-5581 | MH-1620 | MH-5567 | 471.27 | 470.12 | 469.89 | 150.0 | 23 | 1.00 | 96.51023 | 0.010 | 0.65 | 0.12 |
| CO-5582 | MH-5567 | MH-1621 | 471.04 | 467.37 | 467.31 | 150.0 | 22 | 3.46 | 400.00000 | 0.010 | 0.49 | 0.26 |
| CO-1635 | MH-1621 | MH-1638 | 470.87 | 467.31 | 467.26 | 150.0 | 21 | 3.28 | 400.00000 | 0.010 | 0.55 | 0.41 |
| CO-1636 | MH-1638 | MH-1639 | 470.56 | 467.26 | 467.19 | 150.0 | 29 | 3.10 | 400.00000 | 0.010 | 0.56 | 0.43 |
| CO-1637 | MH-1639 | MH-1640 | 470.38 | 467.19 | 467.11 | 150.0 | 29 | 3.12 | 400.00000 | 0.010 | 0.57 | 0.44 |
| CO-1638 | MH-1640 | MH-1641 | 470.46 | 467.11 | 467.05 | 150.0 | 26 | 3.22 | 400.00000 | 0.010 | 0.57 | 0.46 |
| CO-1639 | MH-1641 | MH-1642 | 470.44 | 467.05 | 467.01 | 150.0 | 17 | 3.32 | 400.00000 | 0.010 | 0.58 | 0.48 |
| CO-1640 | MH-1642 | MH-1643 | 470.56 | 467.01 | 466.97 | 150.0 | 16 | 3.58 | 400.00000 | 0.010 | 0.58 | 0.49 |
| CO-1641 | MH-1643 | MH-1644 | 470.87 | 466.97 | 466.89 | 150.0 | 32 | 3.63 | 400.00000 | 0.010 | 0.59 | 0.51 |
| CO-1644 | MH-1644 | MH-1647 | 470.55 | 466.89 | 466.83 | 150.0 | 24 | 3.44 | 400.00000 | 0.010 | 0.60 | 0.58 |
| CO-1647 | MH-1647 | MH-1650 | 470.34 | 466.83 | 466.77 | 150.0 | 22 | 3.28 | 400.00000 | 0.010 | 0.61 | 0.60 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-1648 | MH-1650 | MH-1651 | 470.12 | 466.77 | 466.70 | 150.0 | 26 | 3.11 | 400.00000 | 0.010 | 0.61 | 0.61 |
| CO-1649 | MH-1651 | MH-1596 | 469.87 | 466.70 | 466.62 | 150.0 | 33 | 2.66 | 400.00000 | 0.010 | 0.61 | 0.63 |
| CO-1589 | MH-1590 | MH-1591 | 468.86 | 467.71 | 467.29 | 150.0 | 30 | 1.38 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5665 | MH-5622 | MH-5623 | 470.07 | 468.92 | 468.59 | 150.0 | 24 | 1.03 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5667 | MH-5623 | MH-5624 | 469.81 | 468.59 | 468.35 | 150.0 | 28 | 1.03 | 116.70340 | 0.010 | 0.42 | 0.03 |
| CO-5668 | MH-5624 | MH-1591 | 469.50 | 468.35 | 468.04 | 150.0 | 28 | 1.00 | 90.40091 | 0.010 | 0.52 | 0.05 |
| CO-1594 | MH-1591 | MH-1596 | 469.19 | 467.29 | 467.20 | 150.0 | 25 | 1.74 | 288.70128 | 0.010 | 0.40 | 0.08 |
| CO-1650 | MH-1596 | MH-1652 | 469.07 | 466.62 | 466.56 | 150.0 | 25 | 2.13 | 400.00000 | 0.010 | 0.63 | 0.73 |
| CO-1653 | MH-1652 | MH-1655 | 468.67 | 466.56 | 466.53 | 150.0 | 11 | 1.78 | 400.00000 | 0.010 | 0.64 | 0.78 |
| CO-1657 | MH-1655 | MH-1659 | 468.29 | 466.53 | 466.50 | 150.0 | 12 | 1.53 | 400.00000 | 0.010 | 0.64 | 0.80 |
| CO-1661 | MH-1659 | MH-1663 | 468.10 | 466.48 | 466.45 | 170.0 | 9 | 1.30 | 309.96632 | 0.010 | 0.73 | 0.87 |
| CO-1662 | MH-1663 | MH-1664 | 467.77 | 466.45 | 466.29 | 170.0 | 8 | 1.07 | 50.00000 | 0.010 | 1.45 | 0.89 |
| CO-1663 | MH-1664 | MH-1665 | 467.46 | 466.16 | 465.98 | 170.0 | 9 | 1.06 | 50.00000 | 0.010 | 1.46 | 0.90 |
| CO-1666 | MH-1665 | MH-1668 | 467.15 | 465.98 | 465.83 | 170.0 | 23 | 1.00 | 152.40000 | 0.010 | 0.98 | 0.96 |
| CO-1669 | MH-1668 | MH-1671 | 467.00 | 465.83 | 465.56 | 170.0 | 33 | 1.00 | 121.92000 | 0.010 | 1.11 | 1.09 |
| CO-1672 | MH-1671 | MH-1674 | 466.73 | 463.78 | 463.65 | 170.0 | 25 | 2.73 | 200.00000 | 0.010 | 0.94 | 1.24 |
| CO-1675 | MH-1674 | MH-1677 | 466.49 | 463.65 | 463.53 | 170.0 | 24 | 2.62 | 200.00000 | 0.010 | 0.95 | 1.29 |
| CO-1678 | MH-1677 | MH-1680 | 466.27 | 463.53 | 463.42 | 170.0 | 23 | 2.47 | 200.00000 | 0.010 | 0.96 | 1.35 |
| CO-1681 | MH-1680 | MH-1683 | 465.95 | 463.42 | 463.28 | 170.0 | 27 | 2.32 | 200.00000 | 0.010 | 0.96 | 1.40 |
| CO-1684 | MH-1683 | MH-1686 | 465.73 | 463.28 | 463.16 | 170.0 | 24 | 2.19 | 200.00000 | 0.010 | 0.97 | 1.45 |
| CO-1687 | MH-1686 | MH-1589 | 465.43 | 463.16 | 463.02 | 170.0 | 28 | 1.76 | 200.00000 | 0.010 | 0.97 | 1.50 |
| CO-1862 | MH-1864 | MH-1865 | 469.91 | 468.63 | 468.22 | 150.0 | 20 | 1.07 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1863 | MH-1865 | MH-1866 | 469.37 | 467.82 | 467.30 | 150.0 | 26 | 1.20 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-1864 | MH-1866 | MH-1867 | 468.45 | 467.12 | 466.57 | 150.0 | 27 | 1.09 | 50.00000 | 0.010 | 0.64 | 0.05 |
| CO-5603 | MH-5582 | MH-1867 | 468.05 | 466.90 | 466.48 | 150.0 | 27 | 1.04 | 64.44222 | 0.010 | 0.41 | 0.02 |
| CO-1865 | MH-1867 | MH-1868 | 467.72 | 466.48 | 465.99 | 150.0 | 25 | 1.04 | 50.00000 | 0.010 | 0.74 | 0.09 |
| CO-1866 | MH-1868 | MH-1869 | 467.14 | 465.99 | 465.76 | 150.0 | 28 | 1.00 | 121.92000 | 0.010 | 0.57 | 0.10 |
| CO-1867 | MH-1869 | MH-1870 | 466.91 | 465.76 | 465.69 | 150.0 | 28 | 1.09 | 383.95465 | 0.010 | 0.40 | 0.12 |
| CO-1848 | MH-1851 | MH-1852 | 470.34 | 469.03 | 468.63 | 150.0 | 20 | 1.08 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1849 | MH-1852 | MH-1853 | 469.78 | 468.44 | 467.85 | 150.0 | 30 | 1.09 | 50.00000 | 0.010 | 0.57 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1850 | MH-1853 | MH-1854 | 469.00 | 467.85 | 467.44 | 150.0 | 30 | 1.00 | 72.85463 | 0.010 | 0.56 | 0.05 |
| CO-1851 | MH-1854 | MH-1855 | 468.59 | 467.44 | 467.20 | 150.0 | 18 | 1.00 | 73.66000 | 0.010 | 0.61 | 0.07 |
| CO-1852 | MH-1855 | MH-1856 | 468.35 | 467.20 | 466.94 | 150.0 | 26 | 1.00 | 98.47385 | 0.010 | 0.59 | 0.09 |
| CO-1853 | MH-1856 | MH-1857 | 468.09 | 466.94 | 466.68 | 150.0 | 24 | 1.01 | 94.07701 | 0.010 | 0.63 | 0.10 |
| CO-1854 | MH-1857 | MH-1847 | 467.85 | 466.68 | 466.30 | 150.0 | 19 | 1.01 | 50.00000 | 0.010 | 0.82 | 0.12 |
| CO-1840 | MH-1843 | MH-1842 | 470.59 | 469.44 | 468.91 | 150.0 | 30 | 1.06 | 57.28822 | 0.010 | 0.43 | 0.02 |
| CO-5669 | MH-5625 | MH-1840 | 470.88 | 469.73 | 469.30 | 150.0 | 30 | 1.34 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-1837 | MH-1840 | MH-1839 | 471.13 | 469.30 | 469.05 | 150.0 | 34 | 1.68 | 133.44569 | 0.010 | 0.40 | 0.03 |
| CO-1825 | MH-1828 | MH-1829 | 473.72 | 472.57 | 472.15 | 150.0 | 25 | 1.00 | 60.23429 | 0.010 | 0.43 | 0.02 |
| CO-1826 | MH-1829 | MH-1830 | 473.30 | 472.15 | 471.76 | 150.0 | 23 | 1.00 | 59.39692 | 0.010 | 0.53 | 0.03 |
| CO-1827 | MH-1830 | MH-1831 | 472.91 | 471.76 | 471.54 | 150.0 | 30 | 1.00 | 134.38909 | 0.010 | 0.45 | 0.05 |
| CO-1828 | MH-1831 | MH-1832 | 472.69 | 471.54 | 471.33 | 150.0 | 26 | 1.00 | 121.92000 | 0.010 | 0.51 | 0.07 |
| CO-1831 | MH-1832 | MH-1835 | 472.48 | 471.33 | 470.85 | 150.0 | 39 | 1.00 | 81.28000 | 0.010 | 0.62 | 0.09 |
| CO-1832 | MH-1835 | MH-1836 | 472.00 | 470.85 | 470.57 | 150.0 | 37 | 1.00 | 130.62857 | 0.010 | 0.56 | 0.10 |
| CO-1833 | MH-1836 | MH-1837 | 471.72 | 470.57 | 470.46 | 150.0 | 30 | 1.00 | 274.32000 | 0.010 | 0.45 | 0.12 |
| CO-1834 | MH-1837 | MH-1827 | 471.61 | 470.46 | 470.34 | 150.0 | 28 | 1.00 | 233.68000 | 0.010 | 0.50 | 0.14 |
| CO-1819 | MH-1822 | MH-1820 | 471.67 | 470.52 | 470.14 | 150.0 | 28 | 1.13 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5619 | MH-5592 | MH-5591 | 475.55 | 474.16 | 474.60 | 150.0 | 31 | 1.12 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5621 | MH-5593 | MH-5592 | 475.39 | 473.94 | 474.16 | 150.0 | 29 | 1.27 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-5623 | MH-5594 | MH-5593 | 475.22 | 473.79 | 473.94 | 150.0 | 29 | 1.29 | 186.14527 | 0.010 | 0.40 | 0.05 |
| CO-5625 | MH-5595 | MH-5594 | 475.09 | 473.69 | 473.79 | 150.0 | 24 | 1.27 | 240.31124 | 0.010 | 0.40 | 0.07 |
| CO-5627 | MH-5596 | MH-5595 | 474.98 | 473.61 | 473.69 | 150.0 | 21 | 1.23 | 286.95542 | 0.010 | 0.40 | 0.08 |
| CO-5629 | MH-5599 | MH-5596 | 474.87 | 473.56 | 473.61 | 150.0 | 19 | 1.19 | 335.59671 | 0.010 | 0.40 | 0.10 |
| CO-5631 | MH-5600 | MH-5599 | 474.72 | 473.49 | 473.56 | 150.0 | 25 | 1.12 | 379.57297 | 0.010 | 0.40 | 0.12 |
| CO-5633 | MH-5601 | MH-5600 | 474.54 | 473.39 | 473.49 | 150.0 | 30 | 1.04 | 313.00454 | 0.010 | 0.45 | 0.13 |
| CO-5632 | MH-1812 | MH-5601 | 474.42 | 473.27 | 473.39 | 150.0 | 21 | 1.00 | 171.04253 | 0.010 | 0.57 | 0.15 |
| CO-1810 | MH-1812 | MH-1813 | 474.42 | 473.27 | 472.63 | 150.0 | 33 | 1.00 | 51.91125 | 0.010 | 0.90 | 0.17 |
| CO-1811 | MH-1813 | MH-1814 | 473.78 | 472.55 | 471.91 | 150.0 | 32 | 1.04 | 50.00000 | 0.010 | 0.94 | 0.19 |
| CO-1813 | MH-1814 | MH-1816 | 473.06 | 471.91 | 471.71 | 150.0 | 29 | 1.00 | 146.30400 | 0.010 | 0.66 | 0.20 |
| CO-1814 | MH-1816 | MH-1817 | 472.86 | 471.71 | 471.37 | 150.0 | 25 | 1.00 | 73.51059 | 0.010 | 0.86 | 0.22 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1815 | MH-1817 | MH-1818 | 472.52 | 471.37 | 471.06 | 150.0 | 27 | 1.00 | 87.50710 | 0.010 | 0.82 | 0.24 |
| CO-1816 | MH-1818 | MH-1819 | 472.21 | 471.06 | 470.68 | 150.0 | 30 | 1.00 | 78.60632 | 0.010 | 0.87 | 0.25 |
| CO-1817 | MH-1819 | MH-1820 | 471.83 | 470.68 | 470.40 | 150.0 | 18 | 1.00 | 65.31429 | 0.010 | 0.96 | 0.27 |
| CO-1820 | MH-1820 | MH-1823 | 471.55 | 470.14 | 470.10 | 150.0 | 14 | 1.24 | 400.00000 | 0.010 | 0.51 | 0.31 |
| CO-1821 | MH-1823 | MH-1824 | 471.46 | 470.10 | 470.05 | 150.0 | 23 | 1.26 | 400.00000 | 0.010 | 0.52 | 0.32 |
| CO-1822 | MH-1824 | MH-1825 | 471.50 | 470.05 | 469.97 | 150.0 | 31 | 1.22 | 400.00000 | 0.010 | 0.53 | 0.34 |
| CO-1823 | MH-1825 | MH-1826 | 471.25 | 469.97 | 469.90 | 150.0 | 27 | 1.34 | 400.00000 | 0.010 | 0.54 | 0.36 |
| CO-1824 | MH-1826 | MH-1827 | 471.60 | 469.90 | 469.82 | 150.0 | 33 | 1.54 | 400.00000 | 0.010 | 0.54 | 0.37 |
| CO-1835 | MH-1827 | MH-1838 | 471.49 | 469.82 | 469.74 | 150.0 | 32 | 1.48 | 400.00000 | 0.010 | 0.59 | 0.53 |
| CO-1836 | MH-1838 | MH-1839 | 471.32 | 469.74 | 469.05 | 150.0 | 37 | 1.56 | 53.31778 | 0.010 | 1.25 | 0.54 |
| CO-1838 | MH-1839 | MH-1841 | 470.88 | 469.05 | 468.99 | 150.0 | 24 | 1.61 | 400.00000 | 0.010 | 0.61 | 0.60 |
| CO-1839 | MH-1841 | MH-1842 | 470.69 | 468.99 | 468.91 | 150.0 | 32 | 1.33 | 400.00000 | 0.010 | 0.61 | 0.61 |
| CO-1841 | MH-1842 | MH-1844 | 470.18 | 468.91 | 468.47 | 150.0 | 23 | 1.06 | 50.88321 | 0.010 | 1.33 | 0.65 |
| CO-1842 | MH-1844 | MH-1845 | 469.62 | 468.09 | 467.48 | 150.0 | 30 | 1.19 | 50.00000 | 0.010 | 1.35 | 0.66 |
| CO-1843 | MH-1845 | MH-1846 | 468.63 | 467.20 | 466.85 | 150.0 | 17 | 1.14 | 50.00000 | 0.010 | 1.36 | 0.68 |
| CO-1844 | MH-1846 | MH-1847 | 468.00 | 466.85 | 466.30 | 150.0 | 36 | 1.00 | 65.39345 | 0.010 | 1.24 | 0.70 |
| CO-1855 | MH-1847 | MH-1858 | 467.45 | 466.30 | 466.25 | 150.0 | 21 | 1.04 | 400.00000 | 0.010 | 0.64 | 0.84 |
| CO-1856 | MH-1858 | MH-1859 | 467.48 | 466.23 | 466.16 | 170.0 | 26 | 1.15 | 400.00000 | 0.010 | 0.66 | 0.85 |
| CO-5541 | MH-1859 | MH-1870 | 467.55 | 466.16 | 465.67 | 170.0 | 27 | 1.20 | 55.33797 | 0.010 | 1.39 | 0.87 |
| CO-5542 | MH-1870 | MH-1884 | 467.01 | 465.67 | 465.22 | 170.0 | 24 | 1.16 | 54.52587 | 0.010 | 1.46 | 1.01 |
| CO-5606 | MH-5584 | MH-5585 | 467.75 | 466.53 | 466.09 | 150.0 | 22 | 1.03 | 50.00000 | 0.010 | 0.45 | 0.02 |
| CO-5590 | MH-5574 | MH-1875 | 470.20 | 469.05 | 468.65 | 150.0 | 29 | 1.43 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1873 | MH-1875 | MH-1876 | 470.65 | 468.65 | 468.45 | 150.0 | 27 | 1.66 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1874 | MH-1876 | MH-1877 | 470.06 | 468.45 | 468.32 | 150.0 | 23 | 1.42 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1875 | MH-1877 | MH-1878 | 469.84 | 468.32 | 468.20 | 150.0 | 29 | 1.33 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1876 | MH-1878 | MH-1879 | 469.64 | 468.20 | 467.86 | 150.0 | 21 | 1.14 | 62.16628 | 0.010 | 0.69 | 0.09 |
| CO-1877 | MH-1879 | MH-1880 | 469.01 | 467.42 | 466.96 | 150.0 | 23 | 1.22 | 50.00000 | 0.010 | 0.78 | 0.10 |
| CO-1878 | MH-1880 | MH-1881 | 468.11 | 466.84 | 466.38 | 150.0 | 23 | 1.06 | 50.00000 | 0.010 | 0.82 | 0.12 |
| CO-5604 | MH-1881 | MH-5585 | 467.53 | 466.32 | 466.09 | 150.0 | 11 | 1.03 | 50.00000 | 0.010 | 0.86 | 0.14 |
| CO-5605 | MH-5585 | MH-1882 | 467.24 | 466.01 | 465.67 | 150.0 | 17 | 1.04 | 50.00000 | 0.010 | 0.91 | 0.17 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-1880 | MH-1882 | MH-1883 | 466.82 | 465.67 | 465.32 | 150.0 | 28 | 1.00 | 79.24800 | 0.010 | 0.80 | 0.19 |
| CO-1881 | MH-1883 | MH-1884 | 466.47 | 465.32 | 465.24 | 150.0 | 30 | 1.08 | 400.00000 | 0.010 | 0.46 | 0.20 |
| CO-5543 | MH-1884 | MH-1585 | 466.55 | 465.22 | 464.83 | 170.0 | 24 | 1.08 | 61.02767 | 0.010 | 1.47 | 1.23 |
| CO-1585 | MH-1585 | MH-1586 | 466.00 | 464.70 | 464.22 | 170.0 | 24 | 1.06 | 50.00000 | 0.010 | 1.59 | 1.24 |
| CO-1586 | MH-1586 | MH-1587 | 465.39 | 464.22 | 463.84 | 170.0 | 29 | 1.00 | 75.39789 | 0.010 | 1.37 | 1.26 |
| CO-1587 | MH-1587 | MH-1588 | 465.01 | 463.84 | 463.57 | 170.0 | 31 | 1.00 | 116.27556 | 0.010 | 1.17 | 1.28 |
| CO-1588 | MH-1588 | MH-1589 | 464.74 | 463.57 | 463.44 | 170.0 | 22 | 1.00 | 168.81231 | 0.010 | 1.02 | 1.30 |
| CO-1688 | MH-1589 | MH-1689 | 464.61 | 462.94 | 462.91 | 250.0 | 12 | 1.44 | 400.00000 | 0.010 | 0.88 | 2.81 |
| CO-1905 | MH-1908 | MH-1909 | 464.44 | 463.29 | 462.89 | 150.0 | 29 | 1.15 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1906 | MH-1909 | MH-1910 | 464.33 | 462.89 | 462.66 | 150.0 | 30 | 1.33 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1907 | MH-1910 | MH-1907 | 464.18 | 462.66 | 462.57 | 150.0 | 18 | 1.46 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1902 | MH-1905 | MH-1906 | 464.97 | 463.82 | 463.53 | 150.0 | 21 | 1.04 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1903 | MH-1906 | MH-1904 | 464.77 | 463.53 | 463.18 | 150.0 | 47 | 1.16 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1901 | MH-1903 | MH-1904 | 465.15 | 463.93 | 463.42 | 150.0 | 25 | 1.04 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1904 | MH-1904 | MH-1907 | 464.57 | 463.18 | 463.08 | 150.0 | 26 | 1.13 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1908 | MH-1907 | MH-1902 | 464.26 | 462.57 | 462.51 | 150.0 | 24 | 1.50 | 400.00000 | 0.010 | 0.41 | 0.14 |
| CO-1891 | MH-1893 | MH-1894 | 465.83 | 464.68 | 464.38 | 150.0 | 22 | 1.23 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1892 | MH-1894 | MH-1895 | 465.99 | 464.38 | 464.19 | 150.0 | 25 | 1.62 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1893 | MH-1895 | MH-1896 | 466.13 | 464.19 | 464.04 | 150.0 | 30 | 1.90 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1894 | MH-1896 | MH-1897 | 466.21 | 464.04 | 463.92 | 150.0 | 29 | 1.56 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1895 | MH-1897 | MH-1898 | 465.17 | 463.92 | 463.40 | 150.0 | 32 | 1.05 | 61.61182 | 0.010 | 0.69 | 0.09 |
| CO-1896 | MH-1898 | MH-1892 | 464.55 | 463.40 | 463.07 | 150.0 | 29 | 1.00 | 87.74545 | 0.010 | 0.65 | 0.10 |
| CO-5589 | MH-5573 | MH-1885 | 466.88 | 465.73 | 465.25 | 150.0 | 25 | 1.00 | 52.07000 | 0.010 | 0.45 | 0.02 |
| CO-1883 | MH-1885 | MH-1886 | 466.40 | 465.25 | 465.05 | 150.0 | 27 | 1.29 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1884 | MH-1886 | MH-1887 | 466.78 | 465.05 | 464.90 | 150.0 | 29 | 1.71 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1885 | MH-1887 | MH-1874 | 466.89 | 464.90 | 464.84 | 150.0 | 16 | 1.83 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-5687 | MH-5638 | MH-5639 | 467.05 | 465.90 | 465.51 | 150.0 | 28 | 1.24 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5688 | MH-5639 | MH-1872 | 467.15 | 465.51 | 465.34 | 150.0 | 22 | 1.61 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-1870 | MH-1872 | MH-1873 | 467.22 | 465.34 | 465.18 | 150.0 | 30 | 1.94 | 190.60838 | 0.010 | 0.40 | 0.05 |
| CO-1871 | MH-1873 | MH-1863 | 467.49 | 465.18 | 465.06 | 150.0 | 29 | 2.18 | 241.76057 | 0.010 | 0.40 | 0.07 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1858 | MH-1860 | MH-1861 | 467.80 | 466.65 | 466.22 | 150.0 | 31 | 1.35 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1859 | MH-1861 | MH-1862 | 468.08 | 466.22 | 465.99 | 150.0 | 31 | 1.99 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1860 | MH-1862 | MH-1811 | 468.40 | 465.99 | 465.84 | 150.0 | 28 | 2.23 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1806 | MH-1808 | MH-1809 | 467.76 | 466.61 | 466.42 | 150.0 | 13 | 1.28 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1807 | MH-1809 | MH-1807 | 468.13 | 466.42 | 466.33 | 150.0 | 13 | 1.75 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-5558 | MH-5548 | MH-1723 | 472.15 | 470.93 | 470.52 | 150.0 | 20 | 1.04 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-5556 | MH-5546 | MH-1723 | 471.70 | 470.55 | 470.25 | 150.0 | 21 | 1.13 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1720 | MH-1723 | MH-1722 | 471.67 | 470.25 | 470.13 | 150.0 | 23 | 1.28 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-5588 | MH-5572 | MH-5570 | 472.95 | 471.03 | 470.60 | 150.0 | 22 | 1.38 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-5585 | MH-5569 | MH-5570 | 472.35 | 471.09 | 470.60 | 150.0 | 25 | 1.05 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-5586 | MH-5570 | MH-5571 | 471.75 | 470.60 | 470.50 | 150.0 | 20 | 1.64 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-5587 | MH-5571 | MH-5527 | 472.92 | 470.50 | 470.40 | 150.0 | 24 | 2.14 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-5532 | MH-5527 | MH-1720 | 472.55 | 470.40 | 470.35 | 150.0 | 15 | 1.80 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-1719 | MH-1720 | MH-1722 | 472.09 | 470.35 | 470.13 | 150.0 | 16 | 1.45 | 74.50102 | 0.010 | 0.68 | 0.10 |
| CO-1721 | MH-1722 | MH-1698 | 471.58 | 470.13 | 469.87 | 150.0 | 38 | 1.33 | 147.41223 | 0.010 | 0.62 | 0.17 |
| CO-1689 | MH-1690 | MH-1691 | 472.30 | 471.15 | 470.71 | 150.0 | 32 | 1.01 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1690 | MH-1691 | MH-1692 | 471.87 | 470.71 | 470.10 | 150.0 | 38 | 1.01 | 62.71796 | 0.010 | 0.52 | 0.03 |
| CO-1691 | MH-1692 | MH-1693 | 471.25 | 470.10 | 470.00 | 150.0 | 20 | 1.10 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-5680 | MH-5632 | MH-5633 | 472.63 | 471.40 | 470.81 | 150.0 | 30 | 1.04 | 50.00000 | 0.010 | 0.45 | 0.02 |
| CO-5681 | MH-5633 | MH-1693 | 471.96 | 470.74 | 470.20 | 150.0 | 27 | 1.03 | 50.00000 | 0.010 | 0.56 | 0.03 |
| CO-1695 | MH-1693 | MH-1697 | 471.35 | 470.00 | 469.95 | 150.0 | 18 | 1.18 | 337.85374 | 0.010 | 0.40 | 0.10 |
| CO-5559 | MH-5550 | MH-1697 | 471.70 | 470.55 | 470.10 | 150.0 | 24 | 1.00 | 53.50933 | 0.010 | 0.44 | 0.02 |
| CO-1696 | MH-1697 | MH-1698 | 471.25 | 469.95 | 469.87 | 150.0 | 28 | 1.26 | 400.00000 | 0.010 | 0.41 | 0.14 |
| CO-1722 | MH-1698 | MH-1724 | 471.38 | 469.87 | 469.76 | 150.0 | 48 | 1.33 | 400.00000 | 0.010 | 0.52 | 0.32 |
| CO-1723 | MH-1724 | MH-1725 | 471.20 | 469.76 | 469.64 | 150.0 | 29 | 1.40 | 246.87912 | 0.010 | 0.63 | 0.34 |
| CO-5678 | MH-5630 | MH-5631 | 471.35 | 470.20 | 469.88 | 150.0 | 23 | 1.16 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5676 | MH-5628 | MH-5631 | 471.45 | 470.30 | 469.88 | 150.0 | 22 | 1.16 | 50.99593 | 0.010 | 0.45 | 0.02 |
| CO-5677 | MH-5631 | MH-5629 | 471.35 | 469.88 | 469.73 | 150.0 | 27 | 1.35 | 186.14527 | 0.010 | 0.40 | 0.05 |
| CO-5535 | MH-5530 | MH-1734 | 472.25 | 470.84 | 470.47 | 150.0 | 18 | 1.13 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1731 | MH-1734 | MH-1735 | 471.62 | 470.47 | 470.24 | 150.0 | 20 | 1.00 | 84.81391 | 0.010 | 0.47 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1732 | MH-1735 | MH-1736 | 471.39 | 470.24 | 470.13 | 150.0 | 22 | 1.07 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1733 | MH-1736 | MH-1737 | 471.42 | 470.13 | 470.05 | 150.0 | 18 | 1.19 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1734 | MH-1737 | MH-1730 | 471.45 | 470.05 | 470.00 | 150.0 | 15 | 1.20 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-5534 | MH-5529 | MH-1732 | 472.65 | 471.49 | 470.89 | 150.0 | 30 | 1.01 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1729 | MH-1732 | MH-1730 | 472.04 | 470.77 | 470.15 | 150.0 | 31 | 1.06 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-5533 | MH-5528 | MH-1727 | 472.75 | 471.43 | 471.01 | 150.0 | 21 | 1.08 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-1725 | MH-1727 | MH-1728 | 472.16 | 470.84 | 470.40 | 150.0 | 22 | 1.09 | 50.00000 | 0.010 | 0.57 | 0.03 |
| CO-1726 | MH-1728 | MH-1729 | 471.55 | 470.40 | 470.15 | 150.0 | 20 | 1.00 | 78.02880 | 0.010 | 0.55 | 0.05 |
| CO-1727 | MH-1729 | MH-1730 | 471.30 | 470.15 | 470.00 | 150.0 | 26 | 1.07 | 175.50475 | 0.010 | 0.45 | 0.07 |
| CO-5673 | MH-1730 | MH-5629 | 471.30 | 470.00 | 469.73 | 150.0 | 23 | 1.27 | 87.18282 | 0.010 | 0.79 | 0.21 |
| CO-5674 | MH-5629 | MH-5578 | 471.27 | 469.73 | 469.70 | 150.0 | 12 | 1.39 | 400.00000 | 0.010 | 0.50 | 0.27 |
| CO-5599 | MH-5578 | MH-1725 | 471.25 | 469.70 | 469.64 | 150.0 | 26 | 1.45 | 400.00000 | 0.010 | 0.51 | 0.29 |
| CO-1736 | MH-1725 | MH-1738 | 471.30 | 469.64 | 469.56 | 150.0 | 32 | 1.64 | 400.00000 | 0.010 | 0.62 | 0.65 |
| CO-1737 | MH-1738 | MH-1739 | 471.48 | 469.56 | 469.49 | 150.0 | 28 | 1.69 | 400.00000 | 0.010 | 0.62 | 0.67 |
| CO-1738 | MH-1739 | MH-1740 | 471.25 | 469.49 | 469.42 | 150.0 | 29 | 1.64 | 400.00000 | 0.010 | 0.62 | 0.68 |
| CO-1739 | MH-1740 | MH-1741 | 471.24 | 469.42 | 469.33 | 150.0 | 29 | 1.34 | 336.52356 | 0.010 | 0.67 | 0.70 |
| CO-1740 | MH-1741 | MH-1742 | 470.48 | 469.33 | 468.89 | 150.0 | 30 | 1.00 | 67.19455 | 0.010 | 1.24 | 0.72 |
| CO-1741 | MH-1742 | MH-1743 | 470.04 | 468.89 | 468.31 | 150.0 | 29 | 1.00 | 50.44966 | 0.010 | 1.39 | 0.73 |
| CO-1742 | MH-1743 | MH-1744 | 469.46 | 468.31 | 467.99 | 150.0 | 20 | 1.00 | 62.86500 | 0.010 | 1.29 | 0.75 |
| CO-5594 | MH-5576 | MH-5532 | 472.03 | 469.26 | 468.90 | 150.0 | 18 | 1.81 | 50.00000 | 0.010 | 0.46 | 0.02 |
| CO-5537 | MH-5532 | MH-1793 | 470.05 | 468.90 | 468.75 | 150.0 | 20 | 1.47 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1789 | MH-1793 | MH-1794 | 470.84 | 468.75 | 468.66 | 150.0 | 18 | 2.01 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1790 | MH-1794 | MH-1791 | 470.89 | 468.66 | 468.57 | 150.0 | 20 | 2.18 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-5671 | MH-5626 | MH-5627 | 471.28 | 470.13 | 469.72 | 150.0 | 29 | 1.20 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5672 | MH-5627 | MH-1790 | 471.27 | 469.72 | 469.51 | 150.0 | 28 | 1.51 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-5536 | MH-5531 | MH-1788 | 471.60 | 470.45 | 470.02 | 150.0 | 23 | 1.00 | 53.87163 | 0.010 | 0.44 | 0.02 |
| CO-1785 | MH-1788 | MH-1789 | 471.17 | 470.02 | 469.85 | 150.0 | 23 | 1.09 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1786 | MH-1789 | MH-1790 | 471.18 | 469.85 | 469.51 | 150.0 | 24 | 1.40 | 70.67324 | 0.010 | 0.57 | 0.05 |
| CO-1787 | MH-1790 | MH-1791 | 471.27 | 469.51 | 469.46 | 150.0 | 15 | 1.50 | 337.85374 | 0.010 | 0.40 | 0.10 |
| CO-5593 | MH-1791 | MH-1795 | 471.00 | 468.57 | 468.53 | 150.0 | 16 | 2.14 | 400.00000 | 0.010 | 0.45 | 0.19 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5538 | MH-5533 | MH-1797 | 470.65 | 469.50 | 469.19 | 150.0 | 22 | 1.08 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1793 | MH-1797 | MH-1798 | 470.51 | 469.19 | 469.04 | 150.0 | 20 | 1.30 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1794 | MH-1798 | MH-1795 | 470.62 | 469.04 | 468.53 | 150.0 | 33 | 1.72 | 63.80502 | 0.010 | 0.59 | 0.05 |
| CO-5591 | MH-1795 | MH-5575 | 470.69 | 468.53 | 468.47 | 150.0 | 24 | 1.94 | 400.00000 | 0.010 | 0.49 | 0.26 |
| CO-5592 | MH-5575 | MH-1799 | 470.50 | 468.47 | 468.29 | 150.0 | 26 | 1.81 | 139.54657 | 0.010 | 0.73 | 0.27 |
| CO-5539 | MH-5534 | MH-1801 | 470.05 | 468.90 | 468.62 | 150.0 | 20 | 1.12 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1797 | MH-1801 | MH-1802 | 470.01 | 468.62 | 468.44 | 150.0 | 24 | 1.39 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1798 | MH-1802 | MH-1799 | 470.14 | 468.44 | 468.29 | 150.0 | 30 | 1.65 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1799 | MH-1799 | MH-1803 | 470.19 | 468.29 | 468.22 | 150.0 | 26 | 1.60 | 400.00000 | 0.010 | 0.53 | 0.34 |
| CO-1800 | MH-1803 | MH-1786 | 469.82 | 468.22 | 468.15 | 150.0 | 30 | 1.29 | 400.00000 | 0.010 | 0.54 | 0.36 |
| CO-5649 | MH-5607 | MH-5611 | 475.64 | 474.49 | 474.03 | 150.0 | 33 | 1.11 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5651 | MH-5611 | MH-5612 | 475.41 | 474.03 | 473.80 | 150.0 | 30 | 1.23 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-5652 | MH-5612 | MH-5580 | 475.20 | 473.80 | 473.60 | 150.0 | 38 | 1.21 | 186.14527 | 0.010 | 0.40 | 0.05 |
| CO-5600 | MH-5579 | MH-5580 | 475.27 | 474.12 | 473.60 | 150.0 | 27 | 1.09 | 52.79869 | 0.010 | 0.45 | 0.02 |
| CO-5601 | MH-5580 | MH-1702 | 474.93 | 473.60 | 472.99 | 150.0 | 32 | 1.68 | 52.82195 | 0.010 | 0.73 | 0.08 |
| CO-5643 | MH-5606 | MH-5608 | 474.92 | 473.77 | 473.45 | 150.0 | 23 | 1.21 | 71.41622 | 0.010 | 0.40 | 0.02 |
| CO-5645 | MH-5608 | MH-5609 | 475.01 | 473.45 | 473.26 | 150.0 | 24 | 1.55 | 132.60964 | 0.010 | 0.40 | 0.03 |
| CO-5647 | MH-5609 | MH-5610 | 475.11 | 473.26 | 473.12 | 150.0 | 28 | 1.82 | 186.14527 | 0.010 | 0.40 | 0.05 |
| CO-5648 | MH-5610 | MH-1702 | 475.22 | 473.12 | 472.99 | 150.0 | 29 | 2.07 | 240.31124 | 0.010 | 0.40 | 0.07 |
| CO-1700 | MH-1702 | MH-1703 | 475.33 | 472.99 | 472.94 | 150.0 | 22 | 1.63 | 400.00000 | 0.010 | 0.44 | 0.17 |
| CO-1705 | MH-1703 | MH-1708 | 474.16 | 472.94 | 472.81 | 150.0 | 31 | 1.04 | 237.36634 | 0.010 | 0.54 | 0.19 |
| CO-1706 | MH-1708 | MH-1709 | 473.96 | 472.81 | 472.46 | 150.0 | 21 | 1.00 | 60.96000 | 0.010 | 0.90 | 0.20 |
| CO-1707 | MH-1709 | MH-1710 | 473.61 | 472.46 | 472.28 | 150.0 | 26 | 1.00 | 145.62667 | 0.010 | 0.67 | 0.22 |
| CO-1708 | MH-1710 | MH-1711 | 473.43 | 472.28 | 472.22 | 150.0 | 16 | 1.00 | 264.16000 | 0.010 | 0.56 | 0.24 |
| CO-1709 | MH-1711 | MH-1712 | 473.37 | 472.22 | 472.07 | 150.0 | 23 | 1.00 | 150.36800 | 0.010 | 0.70 | 0.25 |
| CO-1710 | MH-1712 | MH-1713 | 473.22 | 472.07 | 471.99 | 150.0 | 30 | 1.00 | 381.00000 | 0.010 | 0.51 | 0.27 |
| CO-1711 | MH-1713 | MH-1714 | 473.14 | 471.99 | 471.62 | 150.0 | 30 | 1.00 | 81.55459 | 0.010 | 0.90 | 0.29 |
| CO-1715 | MH-1714 | MH-1718 | 472.77 | 471.62 | 471.35 | 150.0 | 24 | 1.00 | 89.18222 | 0.010 | 0.88 | 0.31 |
| CO-5531 | MH-1718 | MH-5513 | 472.50 | 471.35 | 471.28 | 150.0 | 27 | 1.11 | 400.00000 | 0.010 | 0.52 | 0.32 |
| CO-5516 | MH-5513 | MH-5514 | 472.65 | 471.28 | 471.24 | 150.0 | 16 | 1.32 | 400.00000 | 0.010 | 0.53 | 0.34 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5517 | MH-5514 | MH-5515 | 472.82 | 471.24 | 471.20 | 150.0 | 20 | 1.33 | 400.00000 | 0.010 | 0.54 | 0.36 |
| CO-5518 | MH-5515 | MH-5516 | 472.59 | 471.20 | 470.97 | 150.0 | 25 | 1.12 | 111.90219 | 0.010 | 0.86 | 0.37 |
| CO-5519 | MH-5516 | MH-5517 | 472.12 | 470.97 | 470.39 | 150.0 | 30 | 1.00 | 51.50069 | 0.010 | 1.16 | 0.39 |
| CO-5520 | MH-5517 | MH-5518 | 471.54 | 470.39 | 469.92 | 150.0 | 31 | 1.00 | 65.49957 | 0.010 | 1.07 | 0.41 |
| CO-5521 | MH-5518 | MH-5519 | 471.07 | 469.92 | 469.47 | 150.0 | 31 | 1.00 | 68.43347 | 0.010 | 1.06 | 0.43 |
| CO-5522 | MH-5519 | MH-5520 | 470.62 | 469.47 | 468.85 | 150.0 | 31 | 1.00 | 50.00000 | 0.010 | 1.21 | 0.44 |
| CO-5523 | MH-5520 | MH-5521 | 470.00 | 468.85 | 468.52 | 150.0 | 27 | 1.00 | 81.28000 | 0.010 | 1.03 | 0.46 |
| CO-1778 | MH-1781 | MH-1782 | 469.84 | 468.69 | 468.17 | 150.0 | 37 | 1.19 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5573 | MH-1782 | MH-5521 | 469.71 | 468.17 | 467.84 | 150.0 | 44 | 1.53 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-5524 | MH-5521 | MH-5577 | 469.67 | 467.84 | 467.75 | 150.0 | 39 | 1.81 | 400.00000 | 0.010 | 0.59 | 0.51 |
| CO-1770 | MH-1773 | MH-1774 | 473.48 | 472.33 | 471.83 | 150.0 | 36 | 1.09 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1771 | MH-1774 | MH-1775 | 473.15 | 471.83 | 471.46 | 150.0 | 23 | 1.09 | 61.21162 | 0.010 | 0.53 | 0.03 |
| CO-1772 | MH-1775 | MH-1776 | 472.61 | 471.29 | 470.83 | 150.0 | 23 | 1.09 | 50.00000 | 0.010 | 0.64 | 0.05 |
| CO-1773 | MH-1776 | MH-1777 | 471.98 | 470.68 | 470.19 | 150.0 | 24 | 1.08 | 50.00000 | 0.010 | 0.70 | 0.07 |
| CO-1774 | MH-1777 | MH-1778 | 471.34 | 470.15 | 469.45 | 150.0 | 35 | 1.02 | 50.00000 | 0.010 | 0.75 | 0.09 |
| CO-1775 | MH-1778 | MH-1779 | 470.60 | 469.20 | 468.72 | 150.0 | 24 | 1.12 | 50.00000 | 0.010 | 0.78 | 0.10 |
| CO-1776 | MH-1779 | MH-1772 | 469.87 | 468.72 | 468.12 | 150.0 | 32 | 1.00 | 52.83200 | 0.010 | 0.81 | 0.12 |
| CO-1763 | MH-1766 | MH-1767 | 471.21 | 470.06 | 469.66 | 150.0 | 29 | 1.32 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1764 | MH-1767 | MH-1751 | 471.44 | 469.66 | 469.42 | 150.0 | 32 | 1.69 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-5548 | MH-5539 | MH-5540 | 472.25 | 471.10 | 470.71 | 150.0 | 28 | 1.30 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5551 | MH-5540 | MH-5541 | 472.45 | 470.71 | 470.22 | 150.0 | 31 | 1.68 | 63.13320 | 0.010 | 0.52 | 0.03 |
| CO-1757 | MH-1761 | MH-1762 | 472.08 | 470.93 | 470.50 | 150.0 | 31 | 1.39 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1758 | MH-1762 | MH-1760 | 472.43 | 470.50 | 470.28 | 150.0 | 30 | 1.89 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1754 | MH-1758 | MH-1759 | 472.61 | 471.46 | 471.02 | 150.0 | 32 | 1.31 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1755 | MH-1759 | MH-1757 | 472.79 | 471.02 | 470.80 | 150.0 | 30 | 1.73 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-5565 | MH-5555 | MH-1755 | 473.40 | 472.25 | 471.83 | 150.0 | 22 | 1.00 | 52.97714 | 0.010 | 0.45 | 0.02 |
| CO-1751 | MH-1755 | MH-1754 | 472.98 | 471.83 | 471.56 | 150.0 | 30 | 1.00 | 112.88889 | 0.010 | 0.43 | 0.03 |
| CO-5564 | MH-5554 | MH-1752 | 473.25 | 472.10 | 471.63 | 150.0 | 29 | 1.00 | 60.96000 | 0.010 | 0.42 | 0.02 |
| CO-1749 | MH-1752 | MH-1753 | 472.78 | 471.63 | 471.40 | 150.0 | 31 | 1.06 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1750 | MH-1753 | MH-1754 | 472.66 | 471.40 | 471.21 | 150.0 | 36 | 1.23 | 192.13909 | 0.010 | 0.40 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5596 | MH-1754 | MH-1757 | 472.71 | 471.21 | 470.80 | 150.0 | 20 | 1.59 | 50.11495 | 0.010 | 0.78 | 0.10 |
| CO-1756 | MH-1757 | MH-1760 | 472.79 | 470.80 | 470.28 | 150.0 | 27 | 1.92 | 50.81008 | 0.010 | 0.88 | 0.15 |
| CO-5549 | MH-1760 | MH-5541 | 472.44 | 470.28 | 470.22 | 150.0 | 26 | 1.88 | 400.00000 | 0.010 | 0.46 | 0.21 |
| CO-5550 | MH-5541 | MH-1763 | 472.13 | 470.22 | 470.18 | 150.0 | 16 | 1.72 | 400.00000 | 0.010 | 0.49 | 0.26 |
| CO-1760 | MH-1763 | MH-1751 | 472.00 | 470.18 | 470.14 | 150.0 | 15 | 1.36 | 400.00000 | 0.010 | 0.50 | 0.27 |
| CO-1765 | MH-1751 | MH-1768 | 471.33 | 469.42 | 469.35 | 150.0 | 30 | 1.41 | 400.00000 | 0.010 | 0.52 | 0.32 |
| CO-5552 | MH-5542 | MH-5543 | 471.15 | 470.00 | 469.58 | 150.0 | 30 | 1.39 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5553 | MH-5543 | MH-1768 | 471.50 | 469.58 | 469.35 | 150.0 | 30 | 1.42 | 127.88885 | 0.010 | 0.41 | 0.03 |
| CO-1766 | MH-1768 | MH-1769 | 470.56 | 469.35 | 468.94 | 150.0 | 30 | 1.03 | 72.57645 | 0.010 | 1.01 | 0.38 |
| CO-1767 | MH-1769 | MH-1770 | 470.09 | 468.94 | 468.84 | 150.0 | 41 | 1.09 | 400.00000 | 0.010 | 0.55 | 0.39 |
| CO-1768 | MH-1770 | MH-1771 | 470.17 | 468.84 | 468.70 | 150.0 | 30 | 1.15 | 219.64085 | 0.010 | 0.69 | 0.41 |
| CO-1769 | MH-1771 | MH-1772 | 469.96 | 468.70 | 468.12 | 150.0 | 29 | 1.06 | 50.00000 | 0.010 | 1.20 | 0.43 |
| CO-5597 | MH-1772 | MH-5577 | 469.27 | 468.12 | 467.75 | 150.0 | 29 | 1.47 | 76.85789 | 0.010 | 1.11 | 0.56 |
| CO-5595 | MH-5577 | MH-1784 | 469.84 | 467.75 | 467.51 | 150.0 | 41 | 1.81 | 170.00000 | 0.010 | 0.96 | 1.09 |
| CO-1782 | MH-1784 | MH-1785 | 469.34 | 467.51 | 467.33 | 150.0 | 29 | 1.84 | 170.00000 | 0.010 | 0.96 | 1.11 |
| CO-1783 | MH-1785 | MH-1786 | 469.48 | 467.33 | 467.19 | 150.0 | 24 | 2.04 | 170.00000 | 0.010 | 0.97 | 1.13 |
| CO-1801 | MH-1786 | MH-1744 | 469.43 | 467.17 | 467.01 | 170.0 | 29 | 2.02 | 170.00000 | 0.010 | 1.04 | 1.50 |
| CO-1802 | MH-1744 | MH-1804 | 469.14 | 466.98 | 466.86 | 200.0 | 29 | 1.86 | 250.00000 | 0.010 | 0.98 | 2.27 |
| CO-1803 | MH-1804 | MH-1805 | 468.82 | 466.86 | 466.74 | 200.0 | 30 | 1.74 | 250.00000 | 0.010 | 0.98 | 2.29 |
| CO-1804 | MH-1805 | MH-1806 | 468.67 | 466.74 | 466.62 | 200.0 | 30 | 1.73 | 250.00000 | 0.010 | 0.98 | 2.30 |
| CO-1805 | MH-1806 | MH-1807 | 468.55 | 466.62 | 466.50 | 200.0 | 30 | 1.72 | 250.00000 | 0.010 | 0.98 | 2.32 |
| CO-1808 | MH-1807 | MH-1810 | 468.42 | 466.23 | 466.14 | 250.0 | 23 | 1.94 | 250.00000 | 0.010 | 1.03 | 2.37 |
| CO-1809 | MH-1810 | MH-1811 | 468.33 | 466.14 | 466.06 | 250.0 | 20 | 1.91 | 250.00000 | 0.010 | 1.03 | 2.39 |
| CO-1861 | MH-1811 | MH-1863 | 468.19 | 465.74 | 465.61 | 250.0 | 31 | 1.87 | 250.00000 | 0.010 | 1.03 | 2.46 |
| CO-1872 | MH-1863 | MH-1874 | 467.41 | 464.96 | 464.74 | 250.0 | 25 | 2.01 | 109.55190 | 0.010 | 1.42 | 2.54 |
| CO-1886 | MH-1874 | MH-1888 | 466.80 | 464.74 | 464.62 | 250.0 | 29 | 1.55 | 250.00000 | 0.010 | 1.05 | 2.63 |
| CO-1887 | MH-1888 | MH-1889 | 466.15 | 464.62 | 464.14 | 250.0 | 30 | 1.22 | 61.54614 | 0.010 | 1.77 | 2.65 |
| CO-1888 | MH-1889 | MH-1890 | 465.55 | 464.14 | 463.52 | 250.0 | 31 | 1.08 | 50.00000 | 0.010 | 1.91 | 2.66 |
| CO-1889 | MH-1890 | MH-1891 | 464.77 | 463.52 | 463.14 | 250.0 | 21 | 1.00 | 56.14737 | 0.010 | 1.84 | 2.68 |
| CO-1890 | MH-1891 | MH-1892 | 464.39 | 463.14 | 462.97 | 250.0 | 31 | 1.00 | 181.08706 | 0.010 | 1.19 | 2.70 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1897 | MH-1892 | MH-1899 | 464.22 | 462.97 | 462.91 | 250.0 | 20 | 1.00 | 330.20000 | 0.010 | 0.96 | 2.82 |
| CO-1898 | MH-1899 | MH-1900 | 464.16 | 462.91 | 462.76 | 250.0 | 27 | 1.00 | 182.88000 | 0.010 | 1.20 | 2.83 |
| CO-1899 | MH-1900 | MH-1901 | 464.01 | 462.76 | 462.57 | 250.0 | 38 | 1.00 | 202.13053 | 0.010 | 1.16 | 2.85 |
| CO-1900 | MH-1901 | MH-1902 | 463.82 | 462.57 | 462.41 | 250.0 | 29 | 1.23 | 182.02275 | 0.010 | 1.21 | 2.87 |
| CO-5569 | MH-1902 | MH-1689 | 464.12 | 462.41 | 462.32 | 250.0 | 36 | 1.75 | 400.00000 | 0.010 | 0.89 | 3.02 |
| CO-1910 | MH-1689 | MH-1908 | 464.61 | 462.22 | 462.18 | 350.0 | 16 | 2.02 | 400.00000 | 0.011 | 0.99 | 5.85 |
| CO-1923 | MH-1908 | MH-1921 | 464.53 | 462.18 | 462.15 | 350.0 | 12 | 1.98 | 400.00000 | 0.011 | 1.00 | 6.07 |
| CO-1928 | MH-1921 | MH-1926 | 464.46 | 461.37 | 461.28 | 350.0 | 36 | 2.59 | 400.00000 | 0.011 | 1.00 | 6.16 |
| CO-1929 | MH-1926 | MH-1927 | 464.07 | 461.28 | 461.19 | 350.0 | 34 | 2.28 | 400.00000 | 0.011 | 1.00 | 6.18 |
| CO-1930 | MH-1927 | MH-1928 | 463.66 | 461.19 | 461.11 | 350.0 | 35 | 1.92 | 400.00000 | 0.011 | 1.00 | 6.19 |
| CO-1931 | MH-1928 | MH-1929 | 463.18 | 461.11 | 461.02 | 350.0 | 34 | 1.53 | 400.00000 | 0.011 | 1.00 | 6.21 |
| CO-5572 | MH-1929 | MH-5559 | 462.71 | 461.02 | 460.96 | 350.0 | 24 | 1.32 | 400.00000 | 0.011 | 1.00 | 6.23 |
| CO-5567 | MH-5557 | MH-5558 | 463.70 | 462.55 | 462.05 | 150.0 | 36 | 1.00 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-5570 | MH-5558 | MH-5559 | 463.20 | 462.05 | 461.47 | 150.0 | 31 | 1.00 | 53.38984 | 0.010 | 0.55 | 0.03 |
| CO-5571 | MH-5559 | MH-1948 | 462.62 | 460.96 | 460.92 | 350.0 | 18 | 1.25 | 400.00000 | 0.011 | 1.00 | 6.28 |
| CO-1950 | MH-1948 | MH-1949 | 462.45 | 460.92 | 460.86 | 350.0 | 16 | 1.09 | 289.24158 | 0.011 | 1.15 | 6.30 |
| CO-1953 | MH-1949 | MH-1952 | 462.21 | 460.86 | 460.69 | 350.0 | 23 | 1.00 | 134.47059 | 0.011 | 1.54 | 6.35 |
| CO-1956 | MH-1952 | MH-1955 | 462.04 | 460.69 | 460.58 | 350.0 | 32 | 1.00 | 293.71636 | 0.011 | 1.14 | 6.40 |
| CO-1959 | MH-1955 | MH-1958 | 461.93 | 460.58 | 460.47 | 350.0 | 32 | 1.00 | 290.94545 | 0.011 | 1.15 | 6.45 |
| CO-1962 | MH-1958 | MH-1961 | 461.82 | 460.47 | 460.40 | 350.0 | 28 | 1.04 | 400.00000 | 0.011 | 1.01 | 6.50 |
| CO-1965 | MH-1961 | MH-1964 | 461.82 | 460.40 | 460.31 | 350.0 | 35 | 1.12 | 400.00000 | 0.011 | 1.01 | 6.55 |
| CO-1968 | MH-1964 | MH-1967 | 461.83 | 460.31 | 460.19 | 350.0 | 23 | 1.19 | 187.40509 | 0.011 | 1.31 | 5.52 |
| CO-1971 | MH-1967 | MH-1970 | 461.75 | 460.19 | 460.06 | 350.0 | 27 | 1.12 | 210.43268 | 0.011 | 1.26 | 5.56 |
| CO-1974 | MH-1970 | MH-1973 | 461.45 | 460.06 | 459.93 | 350.0 | 21 | 1.02 | 157.52810 | 0.011 | 1.41 | 5.60 |
| CO-1977 | MH-1973 | MH-1947 | 461.28 | 459.93 | 459.75 | 350.0 | 35 | 1.00 | 194.73333 | 0.011 | 1.30 | 5.64 |
| CO-5544 | MH-1930 | MH-1937 | 462.40 | 461.25 | 460.81 | 150.0 | 32 | 1.35 | 72.32240 | 0.010 | 0.40 | 0.02 |
| CO-1939 | MH-1937 | MH-1938 | 462.65 | 460.81 | 460.59 | 150.0 | 29 | 1.79 | 134.27858 | 0.010 | 0.40 | 0.03 |
| CO-1940 | MH-1938 | MH-1939 | 462.63 | 460.59 | 460.43 | 150.0 | 30 | 1.96 | 192.13909 | 0.010 | 0.40 | 0.05 |
| CO-1941 | MH-1939 | MH-1936 | 462.61 | 460.43 | 460.34 | 150.0 | 23 | 2.06 | 243.22739 | 0.010 | 0.40 | 0.07 |
| CO-1934 | MH-1931 | MH-1932 | 462.17 | 461.02 | 460.68 | 150.0 | 25 | 1.03 | 72.32240 | 0.010 | 0.40 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-1935 | MH-1932 | MH-1933 | 461.89 | 460.68 | 460.43 | 150.0 | 28 | 1.03 | 112.78509 | 0.010 | 0.43 | 0.03 |
| CO-1936 | MH-1933 | MH-1934 | 461.58 | 460.43 | 460.19 | 150.0 | 28 | 1.00 | 116.84000 | 0.010 | 0.48 | 0.05 |
| CO-1937 | MH-1934 | MH-1935 | 461.34 | 460.19 | 460.05 | 150.0 | 30 | 1.00 | 213.36000 | 0.010 | 0.42 | 0.07 |
| CO-1938 | MH-1935 | MH-1936 | 461.20 | 460.05 | 459.98 | 150.0 | 21 | 1.73 | 291.36001 | 0.010 | 0.40 | 0.09 |
| CO-1942 | MH-1936 | MH-1940 | 462.59 | 459.98 | 459.92 | 150.0 | 21 | 2.48 | 400.00000 | 0.010 | 0.44 | 0.17 |
| CO-1943 | MH-1940 | MH-1941 | 462.57 | 459.92 | 459.85 | 150.0 | 30 | 2.52 | 400.00000 | 0.010 | 0.45 | 0.19 |
| CO-1944 | MH-1941 | MH-1942 | 462.55 | 459.85 | 459.77 | 150.0 | 30 | 2.57 | 400.00000 | 0.010 | 0.46 | 0.21 |
| CO-1945 | MH-1942 | MH-1943 | 462.53 | 459.77 | 459.70 | 150.0 | 30 | 2.63 | 400.00000 | 0.010 | 0.47 | 0.22 |
| CO-1946 | MH-1943 | MH-1944 | 462.51 | 459.70 | 459.63 | 150.0 | 30 | 2.68 | 400.00000 | 0.010 | 0.48 | 0.24 |
| CO-1947 | MH-1944 | MH-1945 | 462.48 | 459.63 | 459.55 | 150.0 | 30 | 2.74 | 400.00000 | 0.010 | 0.49 | 0.26 |
| CO-1948 | MH-1945 | MH-1946 | 462.46 | 459.55 | 459.48 | 150.0 | 29 | 2.79 | 400.00000 | 0.010 | 0.50 | 0.27 |
| CO-1949 | MH-1946 | MH-1947 | 462.44 | 459.48 | 459.42 | 150.0 | 23 | 2.17 | 400.00000 | 0.010 | 0.51 | 0.29 |
| CO-5545 | MH-1947 | OF-3 | 461.10 | 458.55 | 458.50 | 350.0 | 22 | 2.22 | 400.00000 | 0.011 | 1.02 | 6.90 |

Hydraulic Model Inventory: Zone X Part VII .stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city(Zone X Part VII) |
| Engineer | Prasad/Abhay |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 27-11-2014 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 469 | Taps | 0 |
| -Circle | 469 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 469 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|----------|-------------------|----------|
| Circle - 150.0 mm | 11,010 m | Circle - 600.0 mm | 35 m |
| Circle - 170.0 mm | 950 m | Circle - 700.0 mm | 560 m |
| Circle - 200.0 mm | 263 m | Total Length | 12,899 m |

Hydraulic Model Inventory: Zone X Part VII .stsw

Circle Inventory

Circle - 250.0 mm

82 m

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5558 | MH-5543 | MH-5544 | 471.75 | 470.69 | 470.53 | 150.0 | 24 | 1.06 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5559 | MH-5544 | MH-4047 | 471.89 | 470.53 | 470.35 | 150.0 | 27 | 1.32 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-4050 | MH-4047 | MH-4048 | 471.92 | 470.35 | 470.18 | 150.0 | 25 | 1.43 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-4051 | MH-4048 | MH-4049 | 471.77 | 470.18 | 470.00 | 150.0 | 27 | 1.44 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-4052 | MH-4049 | MH-4050 | 471.59 | 470.00 | 469.81 | 150.0 | 26 | 1.40 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-4053 | MH-4050 | MH-4051 | 471.33 | 469.81 | 469.66 | 150.0 | 25 | 1.29 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-4054 | MH-4051 | MH-4052 | 471.03 | 469.66 | 469.50 | 150.0 | 30 | 1.11 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-4055 | MH-4052 | MH-4053 | 470.65 | 469.25 | 469.00 | 150.0 | 30 | 1.13 | 120.00 | 0.010 | 0.55 | 0.08 |
| CO-4056 | MH-4053 | MH-4054 | 470.15 | 468.89 | 468.65 | 150.0 | 29 | 1.05 | 120.00 | 0.010 | 0.57 | 0.10 |
| CO-4057 | MH-4054 | MH-4055 | 469.80 | 468.33 | 468.10 | 150.0 | 27 | 1.16 | 120.00 | 0.010 | 0.58 | 0.11 |
| CO-4058 | MH-4055 | MH-4056 | 469.25 | 468.09 | 467.83 | 150.0 | 31 | 1.01 | 120.00 | 0.010 | 0.60 | 0.12 |
| CO-4061 | MH-4056 | MH-4059 | 468.98 | 467.48 | 467.23 | 150.0 | 30 | 1.18 | 120.00 | 0.010 | 0.61 | 0.13 |
| CO-4062 | MH-4059 | MH-4060 | 468.38 | 466.97 | 466.73 | 150.0 | 28 | 1.13 | 120.00 | 0.010 | 0.63 | 0.14 |
| CO-4063 | MH-4060 | MH-4061 | 467.88 | 466.52 | 466.27 | 150.0 | 30 | 1.10 | 120.00 | 0.010 | 0.64 | 0.15 |
| CO-4066 | MH-4061 | MH-4064 | 467.42 | 466.17 | 465.92 | 150.0 | 30 | 1.05 | 120.00 | 0.010 | 0.66 | 0.16 |
| CO-4067 | MH-4064 | MH-4065 | 467.07 | 465.55 | 465.30 | 150.0 | 30 | 1.18 | 120.00 | 0.010 | 0.67 | 0.17 |
| CO-4070 | MH-4065 | MH-4068 | 466.45 | 465.08 | 464.84 | 150.0 | 28 | 1.11 | 120.00 | 0.010 | 0.68 | 0.18 |
| CO-4071 | MH-4068 | MH-4069 | 465.99 | 464.45 | 464.19 | 150.0 | 31 | 1.20 | 120.00 | 0.010 | 0.69 | 0.19 |
| CO-4072 | MH-4069 | MH-4070 | 465.34 | 463.94 | 463.69 | 150.0 | 30 | 1.13 | 120.00 | 0.010 | 0.70 | 0.20 |
| CO-4073 | MH-4070 | MH-4071 | 464.84 | 463.44 | 463.18 | 150.0 | 31 | 1.12 | 120.00 | 0.010 | 0.71 | 0.21 |
| CO-4074 | MH-4071 | MH-4072 | 464.33 | 462.98 | 462.74 | 150.0 | 28 | 1.10 | 120.00 | 0.010 | 0.72 | 0.22 |
| CO-4075 | MH-4072 | MH-4073 | 463.89 | 462.49 | 462.24 | 150.0 | 30 | 1.13 | 120.00 | 0.010 | 0.73 | 0.23 |
| CO-4076 | MH-4073 | MH-4074 | 463.39 | 462.06 | 461.81 | 150.0 | 30 | 1.09 | 120.00 | 0.010 | 0.74 | 0.24 |
| CO-4077 | MH-4074 | MH-4075 | 462.96 | 461.74 | 461.46 | 150.0 | 34 | 1.04 | 120.00 | 0.010 | 0.75 | 0.25 |
| CO-4078 | MH-4075 | MH-4076 | 462.61 | 461.04 | 460.78 | 150.0 | 31 | 1.21 | 120.00 | 0.010 | 0.76 | 0.27 |
| CO-4079 | MH-4076 | MH-4077 | 461.93 | 460.78 | 460.66 | 150.0 | 30 | 1.00 | 254.00 | 0.010 | 0.59 | 0.28 |
| CO-4080 | MH-4077 | MH-4078 | 461.81 | 460.66 | 460.46 | 150.0 | 29 | 1.05 | 150.00 | 0.010 | 0.72 | 0.29 |
| CO-4081 | MH-4078 | MH-4079 | 461.72 | 460.46 | 460.26 | 150.0 | 30 | 1.17 | 150.00 | 0.010 | 0.73 | 0.30 |
| CO-4082 | MH-4079 | MH-4080 | 461.64 | 460.26 | 460.11 | 150.0 | 23 | 1.35 | 150.00 | 0.010 | 0.74 | 0.31 |
| CO-4083 | MH-4080 | MH-2449 | 461.73 | 460.11 | 459.91 | 150.0 | 30 | 1.52 | 150.00 | 0.010 | 0.74 | 0.32 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5603 | MH-5565 | MH-5573 | 469.55 | 468.31 | 468.18 | 150.0 | 16 | 1.04 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-5605 | MH-5573 | MH-5574 | 469.33 | 468.02 | 467.78 | 150.0 | 28 | 1.08 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5606 | MH-5574 | MH-5550 | 468.93 | 467.63 | 467.40 | 150.0 | 27 | 1.08 | 120.00 | 0.010 | 0.40 | 0.03 |
| CO-5579 | MH-5553 | MH-5558 | 468.18 | 467.11 | 466.89 | 150.0 | 33 | 1.07 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5580 | MH-5558 | MH-5550 | 468.27 | 466.89 | 466.65 | 150.0 | 36 | 1.49 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5607 | MH-5566 | MH-5575 | 469.65 | 468.42 | 468.30 | 150.0 | 14 | 1.04 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-5609 | MH-5575 | MH-5576 | 469.45 | 468.13 | 467.87 | 150.0 | 31 | 1.09 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5610 | MH-5576 | MH-5551 | 469.02 | 467.73 | 467.50 | 150.0 | 27 | 1.07 | 120.00 | 0.010 | 0.40 | 0.03 |
| CO-5581 | MH-5554 | MH-5559 | 467.64 | 466.58 | 466.44 | 150.0 | 20 | 1.10 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5583 | MH-5559 | MH-5560 | 467.88 | 466.44 | 466.23 | 150.0 | 33 | 1.59 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5584 | MH-5560 | MH-5551 | 468.27 | 466.23 | 466.01 | 150.0 | 32 | 2.19 | 150.00 | 0.010 | 0.37 | 0.03 |
| CO-5589 | MH-5555 | MH-5563 | 468.42 | 467.36 | 467.22 | 150.0 | 20 | 1.02 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5591 | MH-5563 | MH-5564 | 468.49 | 467.22 | 467.01 | 150.0 | 31 | 1.28 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5592 | MH-5564 | MH-5556 | 468.60 | 467.01 | 466.76 | 150.0 | 38 | 1.63 | 150.00 | 0.010 | 0.37 | 0.03 |
| CO-5611 | MH-5567 | MH-5577 | 469.70 | 468.46 | 468.32 | 150.0 | 17 | 1.04 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-5613 | MH-5577 | MH-5578 | 469.47 | 468.18 | 467.95 | 150.0 | 28 | 1.07 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5614 | MH-5578 | MH-5556 | 469.10 | 467.81 | 467.57 | 150.0 | 28 | 1.07 | 120.00 | 0.010 | 0.40 | 0.03 |
| CO-5600 | MH-5547 | MH-5572 | 468.90 | 467.75 | 467.71 | 150.0 | 9 | 1.00 | 248.56 | 0.010 | 0.22 | 0.01 |
| CO-5619 | MH-5571 | MH-5581 | 469.25 | 468.10 | 467.99 | 150.0 | 21 | 1.00 | 198.74 | 0.010 | 0.24 | 0.01 |
| CO-5621 | MH-5581 | MH-5582 | 469.14 | 467.99 | 467.85 | 150.0 | 28 | 1.00 | 199.83 | 0.010 | 0.30 | 0.02 |
| CO-5622 | MH-5582 | MH-5572 | 469.00 | 467.85 | 467.71 | 150.0 | 28 | 1.00 | 199.83 | 0.010 | 0.34 | 0.03 |
| CO-5601 | MH-5572 | MH-5552 | 468.86 | 467.71 | 467.62 | 150.0 | 12 | 1.02 | 137.58 | 0.010 | 0.45 | 0.05 |
| CO-5585 | MH-5557 | MH-5561 | 468.56 | 467.50 | 467.36 | 150.0 | 20 | 0.99 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5587 | MH-5561 | MH-5562 | 468.58 | 467.36 | 467.18 | 150.0 | 28 | 1.21 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5588 | MH-5562 | MH-5552 | 468.68 | 467.18 | 466.96 | 150.0 | 34 | 1.53 | 150.00 | 0.010 | 0.37 | 0.03 |
| CO-5597 | MH-5552 | MH-5570 | 468.81 | 466.96 | 466.91 | 150.0 | 10 | 1.71 | 223.60 | 0.010 | 0.45 | 0.09 |
| CO-5615 | MH-5569 | MH-5579 | 469.15 | 468.00 | 467.91 | 150.0 | 18 | 1.00 | 194.29 | 0.010 | 0.24 | 0.01 |
| CO-5617 | MH-5579 | MH-5580 | 469.06 | 467.91 | 467.77 | 150.0 | 27 | 1.00 | 194.29 | 0.010 | 0.30 | 0.02 |
| CO-5618 | MH-5580 | MH-5570 | 468.92 | 467.77 | 467.62 | 150.0 | 28 | 1.00 | 194.29 | 0.010 | 0.34 | 0.03 |
| CO-5598 | MH-5570 | MH-5556 | 468.77 | 466.91 | 466.83 | 150.0 | 12 | 1.73 | 150.00 | 0.010 | 0.58 | 0.13 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-5576 | MH-5556 | MH-5551 | 468.72 | 466.76 | 466.64 | 150.0 | 17 | 1.84 | 150.00 | 0.010 | 0.66 | 0.21 |
| CO-5570 | MH-5551 | MH-5550 | 468.65 | 466.01 | 465.85 | 150.0 | 25 | 2.52 | 150.00 | 0.010 | 0.71 | 0.28 |
| CO-5568 | MH-5550 | MH-5548 | 468.55 | 465.85 | 465.72 | 150.0 | 20 | 2.58 | 150.00 | 0.010 | 0.76 | 0.34 |
| CO-2396 | MH-2394 | MH-2395 | 474.85 | 473.62 | 473.32 | 150.0 | 36 | 1.04 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2397 | MH-2395 | MH-2396 | 474.47 | 473.32 | 473.02 | 150.0 | 36 | 1.00 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-2398 | MH-2396 | MH-2397 | 474.17 | 473.02 | 472.83 | 150.0 | 28 | 1.11 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2399 | MH-2397 | MH-2398 | 474.20 | 472.83 | 472.71 | 150.0 | 18 | 1.30 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2400 | MH-2398 | MH-2399 | 474.24 | 472.71 | 472.54 | 150.0 | 24 | 1.52 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2401 | MH-2399 | MH-2400 | 474.34 | 472.54 | 472.36 | 150.0 | 30 | 1.66 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2402 | MH-2400 | MH-2401 | 474.18 | 472.36 | 472.19 | 150.0 | 31 | 1.57 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2403 | MH-2401 | MH-2393 | 473.80 | 472.19 | 472.01 | 150.0 | 37 | 1.38 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2393 | MH-2391 | MH-2390 | 474.01 | 472.58 | 472.16 | 150.0 | 51 | 1.14 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2388 | MH-2386 | MH-2385 | 474.51 | 473.35 | 473.05 | 150.0 | 36 | 1.01 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2387 | MH-2384 | MH-2385 | 474.41 | 473.22 | 473.05 | 150.0 | 20 | 1.02 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2389 | MH-2385 | MH-2387 | 474.20 | 472.88 | 472.60 | 150.0 | 33 | 1.09 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-2390 | MH-2387 | MH-2388 | 473.75 | 472.58 | 472.34 | 150.0 | 29 | 1.01 | 120.00 | 0.010 | 0.44 | 0.04 |
| CO-2391 | MH-2388 | MH-2389 | 473.49 | 472.34 | 472.10 | 150.0 | 31 | 1.00 | 131.22 | 0.010 | 0.46 | 0.05 |
| CO-2392 | MH-2389 | MH-2390 | 473.25 | 472.10 | 471.92 | 150.0 | 29 | 1.12 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2394 | MH-2390 | MH-2392 | 473.31 | 471.92 | 471.78 | 150.0 | 29 | 1.36 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2395 | MH-2392 | MH-2393 | 473.43 | 471.78 | 471.68 | 150.0 | 23 | 1.56 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-2404 | MH-2393 | MH-2402 | 473.47 | 471.68 | 471.48 | 150.0 | 30 | 1.78 | 150.00 | 0.010 | 0.64 | 0.19 |
| CO-2405 | MH-2402 | MH-2403 | 473.56 | 471.48 | 471.33 | 150.0 | 23 | 2.04 | 150.00 | 0.010 | 0.65 | 0.20 |
| CO-2406 | MH-2403 | MH-2404 | 473.63 | 471.33 | 471.12 | 150.0 | 30 | 2.15 | 150.00 | 0.010 | 0.66 | 0.21 |
| CO-2407 | MH-2404 | MH-2405 | 473.42 | 471.12 | 470.93 | 150.0 | 29 | 1.97 | 150.00 | 0.010 | 0.67 | 0.22 |
| CO-2408 | MH-2405 | MH-2406 | 472.87 | 470.93 | 470.87 | 150.0 | 29 | 1.73 | 470.64 | 0.010 | 0.45 | 0.23 |
| CO-2409 | MH-2406 | MH-2407 | 472.68 | 470.87 | 470.81 | 150.0 | 28 | 1.44 | 487.50 | 0.010 | 0.45 | 0.24 |
| CO-2410 | MH-2407 | MH-2408 | 472.18 | 470.81 | 470.74 | 150.0 | 33 | 1.15 | 500.00 | 0.010 | 0.45 | 0.25 |
| CO-2411 | MH-2408 | MH-2409 | 471.98 | 470.74 | 470.61 | 150.0 | 32 | 1.04 | 237.48 | 0.010 | 0.60 | 0.27 |
| CO-2412 | MH-2409 | MH-2410 | 471.76 | 470.39 | 470.15 | 150.0 | 29 | 1.11 | 120.00 | 0.010 | 0.77 | 0.28 |
| CO-2413 | MH-2410 | MH-2411 | 471.30 | 470.05 | 469.79 | 150.0 | 31 | 1.05 | 120.00 | 0.010 | 0.78 | 0.29 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-2414 | MH-2411 | MH-2412 | 470.94 | 469.79 | 469.56 | 150.0 | 30 | 1.00 | 131.20 | 0.010 | 0.76 | 0.30 |
| CO-2415 | MH-2412 | MH-2413 | 470.71 | 469.56 | 469.38 | 150.0 | 30 | 1.00 | 169.33 | 0.010 | 0.70 | 0.31 |
| CO-2418 | MH-2413 | MH-2416 | 470.53 | 469.38 | 469.18 | 150.0 | 30 | 1.17 | 150.00 | 0.010 | 0.74 | 0.32 |
| CO-2419 | MH-2416 | MH-2417 | 470.68 | 469.18 | 469.12 | 150.0 | 30 | 1.21 | 500.00 | 0.010 | 0.48 | 0.33 |
| CO-2420 | MH-2417 | MH-2418 | 470.35 | 469.12 | 468.95 | 150.0 | 30 | 1.06 | 174.94 | 0.010 | 0.71 | 0.34 |
| CO-2430 | MH-2418 | MH-2428 | 470.15 | 468.95 | 468.70 | 150.0 | 30 | 1.03 | 120.00 | 0.010 | 0.83 | 0.35 |
| CO-2431 | MH-2428 | MH-2429 | 469.85 | 468.45 | 468.20 | 150.0 | 30 | 1.12 | 120.00 | 0.010 | 0.83 | 0.36 |
| CO-2432 | MH-2429 | MH-2430 | 469.35 | 468.07 | 467.78 | 150.0 | 35 | 1.07 | 120.00 | 0.010 | 0.84 | 0.37 |
| CO-2433 | MH-2430 | MH-2431 | 468.93 | 467.66 | 467.42 | 150.0 | 29 | 1.06 | 120.00 | 0.010 | 0.85 | 0.38 |
| CO-5564 | MH-2431 | MH-5548 | 468.57 | 467.42 | 467.32 | 150.0 | 12 | 1.00 | 121.92 | 0.010 | 0.85 | 0.39 |
| CO-5565 | MH-5548 | MH-2432 | 468.47 | 465.72 | 465.60 | 150.0 | 19 | 2.59 | 150.00 | 0.010 | 0.93 | 0.75 |
| CO-2435 | MH-2432 | MH-2433 | 468.32 | 465.60 | 465.40 | 150.0 | 30 | 2.44 | 150.00 | 0.010 | 0.93 | 0.76 |
| CO-2436 | MH-2433 | MH-2434 | 467.85 | 465.40 | 465.20 | 150.0 | 30 | 2.30 | 150.00 | 0.010 | 0.94 | 0.77 |
| CO-2437 | MH-2434 | MH-2435 | 467.65 | 465.20 | 464.99 | 150.0 | 30 | 2.20 | 150.00 | 0.010 | 0.94 | 0.78 |
| CO-2438 | MH-2435 | MH-2436 | 467.25 | 464.97 | 464.91 | 170.0 | 30 | 1.94 | 500.00 | 0.010 | 0.60 | 0.79 |
| CO-2439 | MH-2436 | MH-2437 | 466.85 | 464.91 | 464.86 | 170.0 | 27 | 1.57 | 500.00 | 0.010 | 0.60 | 0.80 |
| CO-2440 | MH-2437 | MH-2438 | 466.40 | 464.86 | 464.73 | 170.0 | 23 | 1.38 | 170.00 | 0.010 | 0.91 | 0.81 |
| CO-2441 | MH-2438 | MH-2439 | 466.28 | 464.73 | 464.60 | 170.0 | 23 | 1.19 | 179.54 | 0.010 | 0.89 | 0.82 |
| CO-2442 | MH-2439 | MH-2440 | 465.77 | 464.03 | 463.78 | 170.0 | 30 | 1.29 | 120.00 | 0.010 | 1.04 | 0.83 |
| CO-2443 | MH-2440 | MH-2441 | 464.95 | 461.57 | 461.34 | 170.0 | 28 | 2.11 | 120.00 | 0.010 | 1.04 | 0.84 |
| CO-2444 | MH-2441 | MH-2442 | 462.51 | 461.34 | 461.18 | 170.0 | 27 | 1.90 | 170.00 | 0.010 | 0.92 | 0.85 |
| CO-2445 | MH-2442 | MH-2443 | 464.15 | 461.18 | 461.02 | 170.0 | 27 | 2.46 | 170.00 | 0.010 | 0.92 | 0.86 |
| CO-2446 | MH-2443 | MH-2444 | 463.30 | 461.02 | 460.87 | 170.0 | 24 | 2.11 | 170.00 | 0.010 | 0.92 | 0.87 |
| CO-2447 | MH-2444 | MH-2445 | 463.15 | 460.87 | 460.74 | 170.0 | 23 | 2.10 | 170.00 | 0.010 | 0.93 | 0.88 |
| CO-2448 | MH-2445 | MH-2446 | 463.00 | 460.74 | 460.59 | 170.0 | 26 | 1.92 | 170.00 | 0.010 | 0.93 | 0.89 |
| CO-2449 | MH-2446 | MH-2383 | 462.51 | 460.59 | 460.55 | 170.0 | 17 | 1.56 | 500.00 | 0.010 | 0.61 | 0.90 |
| CO-2376 | MH-2373 | MH-2372 | 465.86 | 464.71 | 464.57 | 150.0 | 26 | 1.09 | 190.32 | 0.010 | 0.25 | 0.01 |
| CO-2343 | MH-2341 | MH-2342 | 472.47 | 471.40 | 471.27 | 150.0 | 20 | 1.09 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2344 | MH-2342 | MH-2343 | 472.69 | 471.27 | 471.17 | 150.0 | 16 | 1.46 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2345 | MH-2343 | MH-2340 | 472.96 | 471.17 | 471.01 | 150.0 | 23 | 1.84 | 150.00 | 0.010 | 0.38 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2338 | MH-2336 | MH-2337 | 472.40 | 471.33 | 471.21 | 150.0 | 19 | 1.09 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2339 | MH-2337 | MH-2338 | 472.63 | 471.21 | 471.07 | 150.0 | 21 | 1.37 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2340 | MH-2338 | MH-2339 | 472.69 | 471.07 | 470.93 | 150.0 | 21 | 1.79 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2341 | MH-2339 | MH-2335 | 473.19 | 470.93 | 470.80 | 150.0 | 19 | 2.29 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2330 | MH-2327 | MH-2328 | 472.74 | 471.59 | 471.42 | 150.0 | 30 | 1.00 | 179.53 | 0.010 | 0.25 | 0.01 |
| CO-2331 | MH-2328 | MH-2329 | 472.57 | 471.42 | 471.22 | 150.0 | 30 | 1.16 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2333 | MH-2329 | MH-2331 | 472.68 | 471.22 | 471.08 | 150.0 | 21 | 1.50 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2334 | MH-2331 | MH-2332 | 472.92 | 471.08 | 470.83 | 150.0 | 38 | 1.89 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2335 | MH-2332 | MH-2333 | 473.07 | 470.83 | 470.68 | 150.0 | 21 | 2.33 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2336 | MH-2333 | MH-2334 | 473.39 | 470.68 | 470.55 | 150.0 | 21 | 2.74 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2337 | MH-2334 | MH-2335 | 473.63 | 470.55 | 470.39 | 150.0 | 29 | 2.90 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2342 | MH-2335 | MH-2340 | 473.41 | 470.39 | 470.16 | 150.0 | 34 | 2.87 | 150.00 | 0.010 | 0.57 | 0.13 |
| CO-2346 | MH-2340 | MH-2326 | 473.19 | 470.16 | 469.94 | 150.0 | 34 | 3.09 | 150.00 | 0.010 | 0.62 | 0.17 |
| CO-2307 | MH-2304 | MH-2305 | 477.62 | 476.56 | 476.39 | 150.0 | 24 | 1.01 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2308 | MH-2305 | MH-2306 | 477.65 | 476.39 | 476.22 | 150.0 | 27 | 1.18 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2309 | MH-2306 | MH-2307 | 477.62 | 476.22 | 476.02 | 150.0 | 30 | 1.34 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2310 | MH-2307 | MH-2308 | 477.59 | 476.02 | 475.89 | 150.0 | 19 | 1.52 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2311 | MH-2308 | MH-2309 | 477.67 | 475.89 | 475.68 | 150.0 | 30 | 1.71 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2312 | MH-2309 | MH-2310 | 477.62 | 475.68 | 475.49 | 150.0 | 30 | 1.87 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2313 | MH-2310 | MH-2311 | 477.58 | 475.49 | 475.33 | 150.0 | 30 | 2.03 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2314 | MH-2311 | MH-2299 | 477.60 | 475.33 | 475.19 | 150.0 | 30 | 2.32 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2292 | MH-2289 | MH-2290 | 478.87 | 477.80 | 477.67 | 150.0 | 20 | 0.96 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2293 | MH-2290 | MH-2291 | 478.82 | 477.67 | 477.58 | 150.0 | 16 | 1.00 | 183.98 | 0.010 | 0.31 | 0.02 |
| CO-2294 | MH-2291 | MH-2292 | 478.73 | 477.58 | 477.38 | 150.0 | 30 | 1.05 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2295 | MH-2292 | MH-2293 | 478.63 | 477.38 | 477.31 | 150.0 | 35 | 1.08 | 500.00 | 0.010 | 0.27 | 0.04 |
| CO-2296 | MH-2293 | MH-2294 | 478.53 | 477.31 | 477.18 | 150.0 | 18 | 1.05 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2297 | MH-2294 | MH-2295 | 478.36 | 477.10 | 476.93 | 150.0 | 21 | 1.05 | 120.00 | 0.010 | 0.50 | 0.06 |
| CO-2298 | MH-2295 | MH-2296 | 478.08 | 476.85 | 476.68 | 150.0 | 20 | 1.04 | 120.00 | 0.010 | 0.52 | 0.07 |
| CO-2299 | MH-2296 | MH-2297 | 477.83 | 476.66 | 476.49 | 150.0 | 20 | 1.01 | 120.00 | 0.010 | 0.55 | 0.08 |
| CO-2300 | MH-2297 | MH-2287 | 477.64 | 476.49 | 476.37 | 150.0 | 21 | 1.00 | 172.98 | 0.010 | 0.50 | 0.10 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2283 | MH-2280 | MH-2281 | 476.17 | 475.11 | 474.89 | 150.0 | 32 | 1.18 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2284 | MH-2281 | MH-2279 | 476.48 | 474.89 | 474.71 | 150.0 | 27 | 1.65 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2274 | MH-2270 | MH-2271 | 478.22 | 476.96 | 476.80 | 150.0 | 20 | 1.06 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2275 | MH-2271 | MH-2272 | 477.95 | 476.67 | 476.42 | 150.0 | 30 | 1.06 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-2276 | MH-2272 | MH-2273 | 477.57 | 476.41 | 476.15 | 150.0 | 30 | 1.01 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-2277 | MH-2273 | MH-2274 | 477.30 | 476.15 | 475.96 | 150.0 | 30 | 1.05 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2278 | MH-2274 | MH-2275 | 477.21 | 475.96 | 475.74 | 150.0 | 30 | 1.16 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2279 | MH-2275 | MH-2276 | 477.11 | 475.74 | 475.54 | 150.0 | 33 | 1.17 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2280 | MH-2276 | MH-2277 | 476.81 | 475.54 | 475.40 | 150.0 | 27 | 1.10 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2281 | MH-2277 | MH-2278 | 476.64 | 475.40 | 475.20 | 150.0 | 41 | 1.15 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2282 | MH-2278 | MH-2279 | 476.56 | 475.20 | 475.11 | 150.0 | 20 | 1.34 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-2285 | MH-2279 | MH-2282 | 476.73 | 474.71 | 474.52 | 150.0 | 30 | 2.15 | 150.00 | 0.010 | 0.57 | 0.13 |
| CO-2286 | MH-2282 | MH-2283 | 477.09 | 474.52 | 474.31 | 150.0 | 31 | 2.54 | 150.00 | 0.010 | 0.58 | 0.14 |
| CO-2287 | MH-2283 | MH-2284 | 477.12 | 474.31 | 474.10 | 150.0 | 32 | 2.73 | 150.00 | 0.010 | 0.60 | 0.15 |
| CO-2288 | MH-2284 | MH-2285 | 477.04 | 474.10 | 473.89 | 150.0 | 32 | 2.93 | 150.00 | 0.010 | 0.61 | 0.16 |
| CO-2289 | MH-2285 | MH-2286 | 477.11 | 473.89 | 473.69 | 150.0 | 30 | 3.33 | 150.00 | 0.010 | 0.62 | 0.17 |
| CO-2290 | MH-2286 | MH-2287 | 477.41 | 473.69 | 473.48 | 150.0 | 30 | 3.73 | 150.00 | 0.010 | 0.63 | 0.18 |
| CO-2301 | MH-2287 | MH-2298 | 477.52 | 473.48 | 473.28 | 150.0 | 30 | 4.08 | 150.00 | 0.010 | 0.72 | 0.29 |
| CO-2302 | MH-2298 | MH-2299 | 477.70 | 473.28 | 473.08 | 150.0 | 30 | 4.45 | 150.00 | 0.010 | 0.73 | 0.30 |
| CO-2315 | MH-2299 | MH-2312 | 477.86 | 473.08 | 472.89 | 150.0 | 28 | 4.64 | 150.00 | 0.010 | 0.79 | 0.39 |
| CO-2316 | MH-2312 | MH-2313 | 477.69 | 472.89 | 472.70 | 150.0 | 29 | 4.70 | 150.00 | 0.010 | 0.79 | 0.40 |
| CO-2317 | MH-2313 | MH-2314 | 477.59 | 472.70 | 472.50 | 150.0 | 30 | 4.79 | 150.00 | 0.010 | 0.80 | 0.41 |
| CO-2318 | MH-2314 | MH-2315 | 477.49 | 472.50 | 472.30 | 150.0 | 30 | 4.83 | 150.00 | 0.010 | 0.80 | 0.42 |
| CO-2319 | MH-2315 | MH-2316 | 477.26 | 472.30 | 472.09 | 150.0 | 31 | 4.78 | 150.00 | 0.010 | 0.81 | 0.44 |
| CO-2320 | MH-2316 | MH-2317 | 476.98 | 472.09 | 471.89 | 150.0 | 30 | 4.67 | 150.00 | 0.010 | 0.81 | 0.45 |
| CO-2321 | MH-2317 | MH-2318 | 476.64 | 471.89 | 471.72 | 150.0 | 26 | 4.52 | 150.00 | 0.010 | 0.82 | 0.46 |
| CO-2322 | MH-2318 | MH-2319 | 476.31 | 471.72 | 471.52 | 150.0 | 30 | 4.33 | 150.00 | 0.010 | 0.82 | 0.47 |
| CO-2323 | MH-2319 | MH-2320 | 475.89 | 471.52 | 471.31 | 150.0 | 31 | 4.15 | 150.00 | 0.010 | 0.83 | 0.48 |
| CO-2324 | MH-2320 | MH-2321 | 475.54 | 471.31 | 471.11 | 150.0 | 30 | 4.02 | 150.00 | 0.010 | 0.83 | 0.49 |
| CO-2325 | MH-2321 | MH-2322 | 475.24 | 471.11 | 470.91 | 150.0 | 30 | 3.94 | 150.00 | 0.010 | 0.84 | 0.50 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2326 | MH-2322 | MH-2323 | 474.96 | 470.91 | 470.85 | 150.0 | 30 | 3.74 | 500.00 | 0.010 | 0.54 | 0.51 |
| CO-2327 | MH-2323 | MH-2324 | 474.58 | 470.85 | 470.79 | 150.0 | 31 | 3.42 | 500.00 | 0.010 | 0.54 | 0.52 |
| CO-2328 | MH-2324 | MH-2325 | 474.20 | 470.79 | 470.73 | 150.0 | 32 | 3.04 | 500.00 | 0.010 | 0.54 | 0.53 |
| CO-2329 | MH-2325 | MH-2326 | 473.69 | 470.73 | 470.66 | 150.0 | 33 | 2.70 | 500.00 | 0.010 | 0.54 | 0.54 |
| CO-2347 | MH-2326 | MH-2344 | 473.39 | 469.94 | 469.79 | 150.0 | 23 | 3.26 | 150.00 | 0.010 | 0.92 | 0.72 |
| CO-2348 | MH-2344 | MH-2345 | 473.15 | 469.79 | 469.65 | 150.0 | 20 | 3.17 | 150.00 | 0.010 | 0.93 | 0.73 |
| CO-2349 | MH-2345 | MH-2346 | 472.92 | 469.65 | 469.49 | 150.0 | 23 | 3.07 | 150.00 | 0.010 | 0.93 | 0.74 |
| CO-2350 | MH-2346 | MH-2347 | 472.66 | 469.49 | 469.32 | 150.0 | 27 | 2.96 | 150.00 | 0.010 | 0.93 | 0.75 |
| CO-2351 | MH-2347 | MH-2348 | 472.37 | 469.32 | 469.15 | 150.0 | 25 | 2.84 | 150.00 | 0.010 | 0.94 | 0.76 |
| CO-2356 | MH-2348 | MH-2353 | 472.07 | 469.15 | 468.97 | 150.0 | 27 | 2.70 | 150.00 | 0.010 | 0.94 | 0.78 |
| CO-2357 | MH-2353 | MH-2354 | 471.75 | 468.97 | 468.78 | 150.0 | 29 | 2.51 | 150.00 | 0.010 | 0.94 | 0.79 |
| CO-2358 | MH-2354 | MH-2355 | 471.32 | 468.76 | 468.70 | 170.0 | 30 | 2.14 | 500.00 | 0.010 | 0.60 | 0.80 |
| CO-2359 | MH-2355 | MH-2356 | 470.76 | 468.70 | 468.64 | 170.0 | 30 | 1.66 | 500.00 | 0.010 | 0.60 | 0.81 |
| CO-2360 | MH-2356 | MH-2357 | 470.24 | 468.64 | 468.58 | 170.0 | 30 | 1.27 | 500.00 | 0.010 | 0.60 | 0.82 |
| CO-2361 | MH-2357 | MH-2358 | 469.86 | 468.58 | 468.40 | 170.0 | 29 | 1.05 | 158.22 | 0.010 | 0.94 | 0.83 |
| CO-2362 | MH-2358 | MH-2359 | 469.57 | 468.19 | 467.94 | 170.0 | 30 | 1.10 | 120.00 | 0.010 | 1.04 | 0.84 |
| CO-2363 | MH-2359 | MH-2360 | 469.11 | 467.72 | 467.48 | 170.0 | 28 | 1.11 | 120.00 | 0.010 | 1.04 | 0.85 |
| CO-2364 | MH-2360 | MH-2361 | 468.65 | 467.33 | 467.12 | 170.0 | 25 | 1.08 | 120.00 | 0.010 | 1.05 | 0.86 |
| CO-2365 | MH-2361 | MH-2362 | 468.29 | 467.12 | 466.95 | 170.0 | 27 | 1.10 | 150.00 | 0.010 | 0.97 | 0.87 |
| CO-2371 | MH-2362 | MH-2368 | 468.32 | 466.58 | 466.35 | 170.0 | 28 | 1.28 | 120.00 | 0.010 | 1.05 | 0.88 |
| CO-2372 | MH-2368 | MH-2369 | 467.52 | 466.20 | 465.96 | 170.0 | 29 | 1.07 | 120.00 | 0.010 | 1.06 | 0.89 |
| CO-2373 | MH-2369 | MH-2370 | 467.13 | 465.81 | 465.57 | 170.0 | 29 | 1.08 | 120.00 | 0.010 | 1.06 | 0.90 |
| CO-2374 | MH-2370 | MH-2371 | 466.74 | 465.40 | 465.18 | 170.0 | 27 | 1.08 | 120.00 | 0.010 | 1.06 | 0.91 |
| CO-2375 | MH-2371 | MH-2372 | 466.35 | 464.97 | 464.72 | 170.0 | 29 | 1.11 | 120.00 | 0.010 | 1.07 | 0.92 |
| CO-2377 | MH-2372 | MH-2374 | 465.89 | 464.55 | 464.32 | 170.0 | 28 | 1.09 | 120.00 | 0.010 | 1.07 | 0.95 |
| CO-2378 | MH-2374 | MH-2375 | 465.49 | 464.09 | 463.87 | 170.0 | 26 | 1.12 | 120.00 | 0.010 | 1.08 | 0.96 |
| CO-2379 | MH-2375 | MH-2376 | 465.04 | 463.60 | 463.37 | 170.0 | 28 | 1.13 | 120.00 | 0.010 | 1.08 | 0.97 |
| CO-2380 | MH-2376 | MH-2377 | 464.54 | 463.07 | 462.87 | 170.0 | 23 | 1.15 | 120.00 | 0.010 | 1.08 | 0.98 |
| CO-2381 | MH-2377 | MH-2378 | 464.04 | 462.13 | 461.91 | 170.0 | 26 | 1.37 | 120.00 | 0.010 | 1.08 | 0.99 |
| CO-2382 | MH-2378 | MH-2379 | 463.08 | 461.91 | 461.70 | 170.0 | 32 | 1.55 | 150.00 | 0.010 | 1.00 | 1.00 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-2383 | MH-2379 | MH-2380 | 463.97 | 461.70 | 461.50 | 170.0 | 30 | 2.20 | 150.00 | 0.010 | 1.00 | 1.01 |
| CO-2384 | MH-2380 | MH-2381 | 463.97 | 461.50 | 461.29 | 170.0 | 31 | 2.41 | 150.00 | 0.010 | 1.01 | 1.02 |
| CO-2385 | MH-2381 | MH-2382 | 463.98 | 460.81 | 460.56 | 170.0 | 30 | 2.00 | 120.00 | 0.010 | 1.10 | 1.03 |
| CO-2386 | MH-2382 | MH-2383 | 461.73 | 460.56 | 460.41 | 170.0 | 23 | 1.25 | 150.00 | 0.010 | 1.01 | 1.04 |
| CO-2450 | MH-2383 | MH-2447 | 462.08 | 460.33 | 460.28 | 250.0 | 29 | 1.35 | 500.00 | 0.010 | 0.75 | 1.96 |
| CO-2451 | MH-2447 | MH-2448 | 461.73 | 460.28 | 460.22 | 250.0 | 30 | 1.14 | 500.00 | 0.010 | 0.75 | 1.97 |
| CO-2452 | MH-2448 | MH-2449 | 461.55 | 460.22 | 460.17 | 250.0 | 23 | 1.14 | 500.00 | 0.010 | 0.75 | 1.98 |
| CO-1570 | MH-1569 | MH-1570 | 462.09 | 460.44 | 460.27 | 600.0 | 35 | 1.10 | 200.00 | 0.011 | 1.93 | 28.84 |
| CO-1571 | MH-1570 | MH-1571 | 462.02 | 460.17 | 460.11 | 700.0 | 30 | 1.21 | 500.00 | 0.011 | 1.37 | 28.84 |
| CO-1572 | MH-1571 | MH-1572 | 462.07 | 460.11 | 459.96 | 700.0 | 30 | 1.13 | 207.24 | 0.011 | 1.91 | 28.85 |
| CO-5556 | MH-5542 | MH-3185 | 464.10 | 462.80 | 462.53 | 150.0 | 33 | 1.07 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3186 | MH-3185 | MH-3186 | 463.68 | 462.53 | 462.32 | 150.0 | 31 | 1.08 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3187 | MH-3186 | MH-3184 | 463.63 | 462.32 | 462.12 | 150.0 | 30 | 1.28 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3182 | MH-3181 | MH-3182 | 464.92 | 463.76 | 463.52 | 150.0 | 29 | 1.00 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3183 | MH-3182 | MH-3183 | 464.67 | 463.20 | 462.97 | 150.0 | 27 | 1.16 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-3184 | MH-3183 | MH-3153 | 464.12 | 462.97 | 462.78 | 150.0 | 29 | 1.06 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3178 | MH-3178 | MH-3179 | 465.72 | 464.42 | 464.17 | 150.0 | 30 | 1.08 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3179 | MH-3179 | MH-3180 | 465.32 | 463.75 | 463.50 | 150.0 | 31 | 1.21 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-3180 | MH-3180 | MH-3174 | 464.65 | 463.39 | 463.14 | 150.0 | 30 | 1.06 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-3175 | MH-3175 | MH-3176 | 463.07 | 462.01 | 461.79 | 150.0 | 33 | 0.99 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-3176 | MH-3176 | MH-3177 | 463.01 | 461.79 | 461.54 | 150.0 | 38 | 1.37 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3177 | MH-3177 | MH-3174 | 463.35 | 461.54 | 461.32 | 150.0 | 33 | 2.24 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3169 | MH-3169 | MH-3170 | 463.32 | 462.26 | 462.12 | 150.0 | 21 | 1.08 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-3170 | MH-3170 | MH-3171 | 463.52 | 462.12 | 461.95 | 150.0 | 26 | 1.49 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3171 | MH-3171 | MH-3168 | 463.82 | 461.95 | 461.76 | 150.0 | 29 | 2.14 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3165 | MH-3165 | MH-3166 | 466.00 | 464.68 | 464.48 | 150.0 | 25 | 1.08 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3166 | MH-3166 | MH-3167 | 465.63 | 464.27 | 464.06 | 150.0 | 25 | 1.10 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-3167 | MH-3167 | MH-3161 | 465.21 | 463.76 | 463.51 | 150.0 | 30 | 1.15 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-3162 | MH-3162 | MH-3163 | 463.51 | 462.45 | 462.20 | 150.0 | 37 | 1.04 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-3163 | MH-3163 | MH-3164 | 463.52 | 462.20 | 462.00 | 150.0 | 30 | 1.43 | 150.00 | 0.010 | 0.33 | 0.02 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-3164 | MH-3164 | MH-3161 | 463.84 | 462.00 | 461.77 | 150.0 | 34 | 2.21 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3139 | MH-3138 | MH-3139 | 466.31 | 464.73 | 464.41 | 150.0 | 38 | 1.21 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3140 | MH-3139 | MH-3140 | 465.56 | 464.03 | 463.70 | 150.0 | 39 | 1.19 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5514 | MH-2238 | MH-5507 | 465.23 | 464.17 | 464.11 | 150.0 | 9 | 0.95 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2238 | MH-2235 | MH-2236 | 466.57 | 464.90 | 464.64 | 150.0 | 31 | 1.26 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-2239 | MH-2236 | MH-2237 | 465.79 | 464.51 | 464.25 | 150.0 | 31 | 1.07 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5513 | MH-2237 | MH-5507 | 465.40 | 464.25 | 464.09 | 150.0 | 27 | 1.00 | 171.61 | 0.010 | 0.36 | 0.03 |
| CO-5515 | MH-5507 | MH-5508 | 465.24 | 463.94 | 463.69 | 150.0 | 30 | 1.07 | 120.00 | 0.010 | 0.48 | 0.05 |
| CO-5516 | MH-5508 | MH-3140 | 464.84 | 463.69 | 463.52 | 150.0 | 28 | 1.09 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-5560 | MH-3143 | MH-5545 | 464.00 | 462.85 | 463.09 | 150.0 | 30 | 1.00 | 123.00 | 0.010 | 0.29 | 0.01 |
| CO-3143 | MH-3142 | MH-3143 | 463.95 | 462.66 | 462.85 | 150.0 | 28 | 1.07 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3142 | MH-3141 | MH-3142 | 464.04 | 462.47 | 462.66 | 150.0 | 29 | 1.28 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-5557 | MH-3140 | MH-3141 | 464.85 | 462.28 | 462.47 | 150.0 | 28 | 1.92 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-5517 | MH-3140 | MH-3156 | 464.85 | 462.28 | 462.14 | 150.0 | 21 | 2.46 | 150.00 | 0.010 | 0.58 | 0.14 |
| CO-3158 | MH-3158 | MH-3159 | 463.68 | 462.62 | 462.41 | 150.0 | 31 | 1.10 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-3159 | MH-3159 | MH-3160 | 463.84 | 462.41 | 462.21 | 150.0 | 30 | 1.39 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3160 | MH-3160 | MH-3156 | 463.86 | 462.21 | 462.02 | 150.0 | 28 | 2.06 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3155 | MH-3154 | MH-3155 | 466.08 | 464.65 | 464.34 | 150.0 | 37 | 1.14 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3156 | MH-3155 | MH-3156 | 465.49 | 463.94 | 463.64 | 150.0 | 36 | 1.20 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-3161 | MH-3156 | MH-3161 | 464.79 | 462.02 | 461.88 | 150.0 | 21 | 2.62 | 150.00 | 0.010 | 0.65 | 0.20 |
| CO-3168 | MH-3161 | MH-3168 | 464.66 | 461.77 | 461.73 | 150.0 | 21 | 2.66 | 500.00 | 0.010 | 0.46 | 0.28 |
| CO-5555 | MH-5541 | MH-3172 | 465.76 | 464.39 | 464.13 | 150.0 | 30 | 1.11 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-3172 | MH-3172 | MH-3173 | 465.28 | 463.82 | 463.59 | 150.0 | 27 | 1.16 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-3173 | MH-3173 | MH-3168 | 464.74 | 463.55 | 463.31 | 150.0 | 29 | 1.02 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-3174 | MH-3168 | MH-3174 | 464.46 | 461.73 | 461.57 | 150.0 | 24 | 2.57 | 150.00 | 0.010 | 0.76 | 0.35 |
| CO-3181 | MH-3174 | MH-3153 | 464.29 | 461.32 | 461.20 | 150.0 | 18 | 2.76 | 150.00 | 0.010 | 0.80 | 0.42 |
| CO-3136 | MH-3134 | MH-3135 | 464.08 | 463.01 | 462.77 | 150.0 | 37 | 1.26 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-3138 | MH-3135 | MH-3137 | 464.52 | 462.77 | 462.63 | 150.0 | 21 | 1.56 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-3145 | MH-3137 | MH-3144 | 464.30 | 462.63 | 462.48 | 150.0 | 23 | 1.49 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-3146 | MH-3144 | MH-3145 | 464.08 | 462.48 | 462.37 | 150.0 | 21 | 1.25 | 190.10 | 0.010 | 0.38 | 0.04 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-3147 | MH-3145 | MH-3146 | 463.55 | 462.37 | 462.22 | 150.0 | 18 | 1.02 | 120.00 | 0.010 | 0.48 | 0.05 |
| CO-3148 | MH-3146 | MH-3147 | 463.37 | 462.15 | 461.93 | 150.0 | 26 | 1.04 | 120.00 | 0.010 | 0.50 | 0.06 |
| CO-3150 | MH-3147 | MH-3149 | 463.08 | 461.93 | 461.74 | 150.0 | 23 | 1.00 | 120.81 | 0.010 | 0.52 | 0.07 |
| CO-3151 | MH-3149 | MH-3150 | 462.89 | 461.74 | 461.64 | 150.0 | 21 | 1.02 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-3152 | MH-3150 | MH-3151 | 462.83 | 461.64 | 461.53 | 150.0 | 26 | 1.18 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-3153 | MH-3151 | MH-3152 | 463.00 | 461.53 | 461.39 | 150.0 | 34 | 1.62 | 250.89 | 0.010 | 0.45 | 0.11 |
| CO-3154 | MH-3152 | MH-3153 | 463.45 | 461.39 | 461.20 | 150.0 | 36 | 2.31 | 185.88 | 0.010 | 0.51 | 0.12 |
| CO-3185 | MH-3153 | MH-3184 | 464.06 | 461.20 | 461.01 | 150.0 | 28 | 2.61 | 150.00 | 0.010 | 0.87 | 0.58 |
| CO-3188 | MH-3184 | MH-3187 | 463.67 | 461.01 | 460.81 | 150.0 | 29 | 2.27 | 150.00 | 0.010 | 0.89 | 0.63 |
| CO-3189 | MH-3187 | MH-1572 | 462.99 | 460.67 | 460.51 | 150.0 | 19 | 1.58 | 120.00 | 0.010 | 0.97 | 0.64 |
| CO-5518 | MH-1572 | MH-2105 | 461.66 | 459.96 | 459.84 | 700.0 | 26 | 1.07 | 208.67 | 0.011 | 1.91 | 29.34 |
| CO-2109 | MH-2105 | MH-2106 | 461.68 | 459.84 | 459.60 | 700.0 | 29 | 1.07 | 120.00 | 0.011 | 2.35 | 29.35 |
| CO-2110 | MH-2106 | MH-2107 | 461.30 | 459.60 | 459.54 | 700.0 | 31 | 1.02 | 500.00 | 0.011 | 1.37 | 29.36 |
| CO-2111 | MH-2107 | MH-2108 | 461.28 | 459.54 | 459.45 | 700.0 | 43 | 1.24 | 500.00 | 0.011 | 1.37 | 29.37 |
| CO-2112 | MH-2108 | MH-1577 | 461.59 | 458.83 | 458.76 | 700.0 | 8 | 1.85 | 120.00 | 0.011 | 2.35 | 29.37 |
| CO-2126 | MH-2123 | MH-2124 | 466.59 | 465.53 | 465.37 | 150.0 | 24 | 0.97 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2127 | MH-2124 | MH-2125 | 466.55 | 465.37 | 465.20 | 150.0 | 25 | 1.07 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2128 | MH-2125 | MH-2122 | 466.46 | 465.16 | 464.90 | 150.0 | 30 | 1.08 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-2117 | MH-2114 | MH-2115 | 467.04 | 465.98 | 465.84 | 150.0 | 20 | 1.01 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2118 | MH-2115 | MH-2116 | 467.10 | 465.84 | 465.69 | 150.0 | 23 | 1.12 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2119 | MH-2116 | MH-2117 | 466.97 | 465.69 | 465.61 | 150.0 | 29 | 1.07 | 347.55 | 0.010 | 0.28 | 0.03 |
| CO-2120 | MH-2117 | MH-2118 | 466.76 | 465.61 | 465.40 | 150.0 | 27 | 1.00 | 131.26 | 0.010 | 0.43 | 0.04 |
| CO-2121 | MH-2118 | MH-2119 | 466.55 | 465.40 | 465.22 | 150.0 | 25 | 1.07 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2122 | MH-2119 | MH-2113 | 466.52 | 465.22 | 464.95 | 150.0 | 45 | 1.16 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2113 | MH-2109 | MH-2110 | 465.96 | 464.89 | 464.72 | 150.0 | 26 | 1.03 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2114 | MH-2110 | MH-2111 | 466.03 | 464.72 | 464.51 | 150.0 | 32 | 1.28 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2115 | MH-2111 | MH-2112 | 466.07 | 464.51 | 464.40 | 150.0 | 16 | 1.52 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2116 | MH-2112 | MH-2113 | 466.17 | 464.40 | 464.22 | 150.0 | 27 | 1.76 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2123 | MH-2113 | MH-2120 | 466.27 | 464.22 | 464.13 | 150.0 | 25 | 1.89 | 269.92 | 0.010 | 0.45 | 0.12 |
| CO-2124 | MH-2120 | MH-2121 | 466.16 | 464.13 | 463.98 | 150.0 | 22 | 1.93 | 150.00 | 0.010 | 0.57 | 0.13 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2125 | MH-2121 | MH-2122 | 466.10 | 463.98 | 463.80 | 150.0 | 28 | 2.04 | 150.00 | 0.010 | 0.58 | 0.14 |
| CO-2129 | MH-2122 | MH-2126 | 466.05 | 463.80 | 463.56 | 150.0 | 36 | 2.23 | 150.00 | 0.010 | 0.63 | 0.18 |
| CO-2130 | MH-2126 | MH-2127 | 466.05 | 463.56 | 463.26 | 150.0 | 44 | 2.44 | 150.00 | 0.010 | 0.64 | 0.19 |
| CO-2259 | MH-2256 | MH-2257 | 465.40 | 464.34 | 464.15 | 150.0 | 28 | 1.02 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2260 | MH-2257 | MH-2258 | 465.43 | 464.15 | 463.95 | 150.0 | 31 | 1.32 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2261 | MH-2258 | MH-2259 | 465.61 | 463.95 | 463.74 | 150.0 | 31 | 1.62 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2262 | MH-2259 | MH-2127 | 465.62 | 463.74 | 463.52 | 150.0 | 33 | 2.00 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2206 | MH-2204 | MH-2205 | 468.04 | 466.97 | 466.80 | 150.0 | 25 | 1.04 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2207 | MH-2205 | MH-2206 | 468.13 | 466.80 | 466.64 | 150.0 | 25 | 1.42 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2208 | MH-2206 | MH-2207 | 468.45 | 466.64 | 466.46 | 150.0 | 27 | 1.62 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2209 | MH-2207 | MH-2208 | 468.18 | 466.46 | 466.31 | 150.0 | 22 | 1.67 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2210 | MH-2208 | MH-2209 | 468.23 | 466.31 | 466.13 | 150.0 | 26 | 1.84 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2211 | MH-2209 | MH-2210 | 468.18 | 466.13 | 465.96 | 150.0 | 27 | 1.81 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2212 | MH-2210 | MH-2211 | 467.83 | 465.96 | 465.77 | 150.0 | 36 | 1.75 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2213 | MH-2211 | MH-2212 | 467.72 | 465.77 | 465.61 | 150.0 | 33 | 1.76 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2214 | MH-2212 | MH-2213 | 467.49 | 465.61 | 465.45 | 150.0 | 36 | 1.65 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-5533 | MH-2213 | MH-2219 | 467.19 | 465.45 | 465.34 | 150.0 | 28 | 1.45 | 250.89 | 0.010 | 0.45 | 0.11 |
| CO-5529 | MH-5519 | MH-5505 | 465.88 | 464.82 | 464.73 | 150.0 | 14 | 0.98 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5511 | MH-5505 | MH-2216 | 465.93 | 464.73 | 464.55 | 150.0 | 26 | 1.22 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2218 | MH-2216 | MH-2217 | 466.10 | 464.55 | 464.38 | 150.0 | 27 | 1.65 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2219 | MH-2217 | MH-2218 | 466.42 | 464.38 | 464.18 | 150.0 | 30 | 2.28 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2220 | MH-2218 | MH-2203 | 466.99 | 464.18 | 463.95 | 150.0 | 32 | 2.93 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-5528 | MH-5518 | MH-2193 | 469.18 | 468.11 | 467.89 | 150.0 | 33 | 1.13 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2195 | MH-2193 | MH-2194 | 469.39 | 467.89 | 467.69 | 150.0 | 30 | 1.45 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2196 | MH-2194 | MH-2195 | 469.40 | 467.69 | 467.47 | 150.0 | 34 | 1.58 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2197 | MH-2195 | MH-2196 | 469.21 | 467.47 | 467.30 | 150.0 | 25 | 1.69 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2198 | MH-2196 | MH-2197 | 469.23 | 467.30 | 467.10 | 150.0 | 28 | 1.77 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2199 | MH-2197 | MH-2198 | 469.00 | 467.10 | 466.91 | 150.0 | 30 | 1.67 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2200 | MH-2198 | MH-2199 | 468.64 | 466.91 | 466.75 | 150.0 | 31 | 1.53 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2201 | MH-2199 | MH-2200 | 468.38 | 466.75 | 466.62 | 150.0 | 27 | 1.43 | 207.39 | 0.010 | 0.45 | 0.08 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2203 | MH-2200 | MH-2202 | 468.15 | 466.62 | 466.51 | 150.0 | 24 | 1.35 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-2204 | MH-2202 | MH-2186 | 467.98 | 466.51 | 466.39 | 150.0 | 31 | 1.17 | 250.89 | 0.010 | 0.45 | 0.11 |
| CO-5526 | MH-5515 | MH-5516 | 466.37 | 465.30 | 465.18 | 150.0 | 18 | 1.00 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5527 | MH-5516 | MH-5504 | 466.42 | 465.18 | 465.07 | 150.0 | 17 | 1.14 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5510 | MH-5504 | MH-2190 | 466.41 | 465.07 | 464.90 | 150.0 | 27 | 1.30 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2192 | MH-2190 | MH-2191 | 466.45 | 464.90 | 464.74 | 150.0 | 23 | 1.62 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2193 | MH-2191 | MH-2192 | 466.72 | 464.74 | 464.50 | 150.0 | 34 | 2.11 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2194 | MH-2192 | MH-2186 | 467.04 | 464.50 | 464.32 | 150.0 | 30 | 2.74 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2174 | MH-2172 | MH-2173 | 469.73 | 468.66 | 468.53 | 150.0 | 20 | 1.07 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2175 | MH-2173 | MH-2174 | 469.92 | 468.53 | 468.40 | 150.0 | 20 | 1.33 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2176 | MH-2174 | MH-2175 | 469.97 | 468.40 | 468.27 | 150.0 | 20 | 1.47 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2177 | MH-2175 | MH-2176 | 469.93 | 468.27 | 468.13 | 150.0 | 21 | 1.48 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2178 | MH-2176 | MH-2177 | 469.73 | 468.13 | 467.98 | 150.0 | 22 | 1.50 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2179 | MH-2177 | MH-2178 | 469.67 | 467.98 | 467.80 | 150.0 | 29 | 1.67 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2180 | MH-2178 | MH-2179 | 469.75 | 467.80 | 467.62 | 150.0 | 34 | 1.68 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2182 | MH-2179 | MH-2181 | 469.33 | 467.62 | 467.45 | 150.0 | 35 | 1.52 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2183 | MH-2181 | MH-2182 | 469.07 | 467.45 | 467.26 | 150.0 | 40 | 1.32 | 210.93 | 0.010 | 0.47 | 0.10 |
| CO-2186 | MH-2182 | MH-2185 | 468.57 | 467.26 | 467.04 | 150.0 | 26 | 1.08 | 120.00 | 0.010 | 0.58 | 0.11 |
| CO-2187 | MH-2185 | MH-2166 | 468.19 | 466.85 | 466.62 | 150.0 | 28 | 1.09 | 120.00 | 0.010 | 0.60 | 0.12 |
| CO-5530 | MH-5520 | MH-5521 | 466.64 | 465.58 | 465.34 | 150.0 | 36 | 1.08 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5531 | MH-5521 | MH-5503 | 466.73 | 465.34 | 465.25 | 150.0 | 14 | 1.27 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5509 | MH-5503 | MH-2169 | 466.69 | 465.25 | 465.08 | 150.0 | 25 | 1.45 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2171 | MH-2169 | MH-2170 | 466.84 | 465.08 | 464.87 | 150.0 | 31 | 1.89 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2172 | MH-2170 | MH-2171 | 467.19 | 464.87 | 464.70 | 150.0 | 23 | 2.42 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2173 | MH-2171 | MH-2166 | 467.52 | 464.70 | 464.57 | 150.0 | 22 | 2.86 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-5508 | MH-5502 | MH-2163 | 466.96 | 465.90 | 465.70 | 150.0 | 30 | 1.05 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2165 | MH-2163 | MH-2164 | 467.04 | 465.70 | 465.49 | 150.0 | 30 | 1.45 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2166 | MH-2164 | MH-2165 | 467.35 | 465.49 | 465.24 | 150.0 | 38 | 2.03 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2167 | MH-2165 | MH-2148 | 467.74 | 465.24 | 464.92 | 150.0 | 43 | 2.77 | 136.85 | 0.010 | 0.42 | 0.04 |
| CO-2131 | MH-2128 | MH-2129 | 467.55 | 466.40 | 466.27 | 150.0 | 30 | 1.00 | 219.58 | 0.010 | 0.24 | 0.01 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-2132 | MH-2129 | MH-2130 | 467.42 | 466.27 | 466.12 | 150.0 | 22 | 1.14 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2133 | MH-2130 | MH-2131 | 467.54 | 466.12 | 465.97 | 150.0 | 23 | 1.25 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-5519 | MH-2131 | MH-5510 | 467.35 | 465.97 | 465.78 | 150.0 | 28 | 1.41 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-5520 | MH-5510 | MH-5501 | 467.51 | 465.78 | 465.62 | 150.0 | 23 | 1.78 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-5507 | MH-5501 | MH-2132 | 467.75 | 465.62 | 465.43 | 150.0 | 30 | 2.26 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2135 | MH-2132 | MH-2133 | 468.11 | 465.43 | 465.27 | 150.0 | 30 | 2.73 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2136 | MH-2133 | MH-2134 | 468.36 | 465.27 | 465.19 | 150.0 | 18 | 3.10 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2137 | MH-2134 | MH-2135 | 468.61 | 465.19 | 465.13 | 150.0 | 14 | 3.42 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-2152 | MH-2150 | MH-2151 | 470.12 | 469.06 | 468.84 | 150.0 | 34 | 1.12 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2153 | MH-2151 | MH-2152 | 470.30 | 468.84 | 468.65 | 150.0 | 28 | 1.45 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2154 | MH-2152 | MH-2153 | 470.39 | 468.65 | 468.46 | 150.0 | 28 | 1.64 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2155 | MH-2153 | MH-2154 | 470.30 | 468.46 | 468.27 | 150.0 | 29 | 1.70 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2156 | MH-2154 | MH-2155 | 470.12 | 468.27 | 468.03 | 150.0 | 33 | 1.72 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2157 | MH-2155 | MH-2156 | 469.93 | 468.03 | 467.86 | 150.0 | 28 | 1.73 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2158 | MH-2156 | MH-2157 | 469.73 | 467.86 | 467.72 | 150.0 | 26 | 1.62 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2159 | MH-2157 | MH-2158 | 469.38 | 467.72 | 467.53 | 150.0 | 37 | 1.46 | 197.81 | 0.010 | 0.46 | 0.08 |
| CO-5562 | MH-2158 | MH-5546 | 469.09 | 467.53 | 467.67 | 150.0 | 21 | 1.16 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-5525 | MH-2146 | MH-2158 | 469.54 | 467.41 | 467.53 | 150.0 | 32 | 1.70 | 250.89 | 0.010 | 0.45 | 0.11 |
| CO-2148 | MH-2146 | MH-2147 | 469.54 | 467.41 | 467.28 | 150.0 | 34 | 1.80 | 269.92 | 0.010 | 0.45 | 0.12 |
| CO-2149 | MH-2147 | MH-2135 | 469.05 | 467.28 | 467.20 | 150.0 | 24 | 1.56 | 293.72 | 0.010 | 0.45 | 0.13 |
| CO-2150 | MH-2135 | MH-2148 | 468.85 | 465.13 | 464.92 | 150.0 | 30 | 3.38 | 150.00 | 0.010 | 0.68 | 0.23 |
| CO-2168 | MH-2148 | MH-2166 | 468.26 | 464.92 | 464.72 | 150.0 | 30 | 3.04 | 150.00 | 0.010 | 0.72 | 0.29 |
| CO-2188 | MH-2166 | MH-2186 | 467.77 | 464.57 | 464.35 | 150.0 | 32 | 3.05 | 150.00 | 0.010 | 0.83 | 0.48 |
| CO-2205 | MH-2186 | MH-2203 | 467.55 | 464.32 | 464.12 | 150.0 | 30 | 3.06 | 150.00 | 0.010 | 0.90 | 0.66 |
| CO-2221 | MH-2203 | MH-2219 | 467.30 | 463.95 | 463.75 | 150.0 | 30 | 3.05 | 150.00 | 0.010 | 0.92 | 0.72 |
| CO-5544 | MH-5531 | MH-5530 | 466.53 | 465.19 | 465.32 | 150.0 | 16 | 1.03 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-5543 | MH-5530 | MH-5529 | 466.34 | 464.87 | 465.06 | 150.0 | 23 | 1.06 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-5542 | MH-5529 | MH-5528 | 466.02 | 464.72 | 464.87 | 150.0 | 28 | 1.00 | 181.35 | 0.010 | 0.35 | 0.03 |
| CO-5541 | MH-5528 | MH-5527 | 465.87 | 464.53 | 464.72 | 150.0 | 27 | 1.06 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-5540 | MH-5527 | MH-5526 | 465.80 | 464.39 | 464.53 | 150.0 | 20 | 1.18 | 140.30 | 0.010 | 0.45 | 0.05 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-5539 | MH-5526 | MH-5525 | 465.79 | 464.27 | 464.39 | 150.0 | 20 | 1.29 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-5538 | MH-5525 | MH-5524 | 465.74 | 464.10 | 464.27 | 150.0 | 32 | 1.61 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-5537 | MH-5524 | MH-5523 | 466.15 | 463.98 | 464.10 | 150.0 | 25 | 2.15 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-5536 | MH-5523 | MH-2219 | 466.53 | 463.75 | 463.98 | 150.0 | 35 | 2.65 | 150.87 | 0.010 | 0.52 | 0.10 |
| CO-2224 | MH-2219 | MH-2222 | 466.80 | 463.75 | 463.55 | 150.0 | 30 | 2.79 | 150.00 | 0.010 | 0.98 | 0.93 |
| CO-2225 | MH-2223 | MH-2224 | 467.35 | 466.29 | 466.10 | 150.0 | 28 | 1.00 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-2226 | MH-2224 | MH-2225 | 467.33 | 466.10 | 465.96 | 150.0 | 22 | 1.25 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-2227 | MH-2225 | MH-2226 | 467.51 | 465.96 | 465.75 | 150.0 | 30 | 1.42 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-2228 | MH-2226 | MH-2227 | 467.34 | 465.75 | 465.62 | 150.0 | 20 | 1.57 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-2230 | MH-2227 | MH-2229 | 467.47 | 465.62 | 465.44 | 150.0 | 25 | 1.74 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-2231 | MH-2229 | MH-2230 | 467.38 | 465.44 | 465.29 | 150.0 | 25 | 1.73 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-2232 | MH-2230 | MH-2231 | 467.12 | 465.29 | 465.13 | 150.0 | 31 | 1.77 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-2233 | MH-2231 | MH-2232 | 467.13 | 465.13 | 464.98 | 150.0 | 30 | 1.89 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-5545 | MH-2232 | MH-5532 | 467.04 | 464.98 | 464.81 | 150.0 | 38 | 1.83 | 228.68 | 0.010 | 0.45 | 0.10 |
| CO-5546 | MH-5532 | MH-2222 | 466.71 | 464.81 | 464.69 | 150.0 | 32 | 1.64 | 250.89 | 0.010 | 0.45 | 0.11 |
| CO-5554 | MH-5539 | MH-5540 | 465.76 | 464.61 | 464.78 | 150.0 | 24 | 1.00 | 145.23 | 0.010 | 0.27 | 0.01 |
| CO-5553 | MH-5538 | MH-5539 | 465.72 | 464.39 | 464.61 | 150.0 | 34 | 1.09 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-5552 | MH-5537 | MH-5538 | 465.53 | 464.33 | 464.39 | 150.0 | 27 | 1.11 | 500.00 | 0.010 | 0.25 | 0.03 |
| CO-5551 | MH-5536 | MH-5537 | 465.68 | 464.14 | 464.33 | 150.0 | 29 | 1.21 | 150.00 | 0.010 | 0.41 | 0.04 |
| CO-5550 | MH-5535 | MH-5536 | 465.77 | 463.92 | 464.14 | 150.0 | 31 | 1.54 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-5549 | MH-5534 | MH-5535 | 466.10 | 463.72 | 463.92 | 150.0 | 33 | 1.97 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-5548 | MH-5533 | MH-5534 | 466.24 | 463.58 | 463.72 | 150.0 | 26 | 2.37 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-5547 | MH-2222 | MH-5533 | 466.38 | 463.47 | 463.58 | 150.0 | 21 | 2.64 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-2236 | MH-2222 | MH-2234 | 466.38 | 463.42 | 463.37 | 200.0 | 28 | 2.67 | 500.00 | 0.010 | 0.65 | 1.14 |
| CO-2237 | MH-2234 | MH-2127 | 466.15 | 463.37 | 463.21 | 200.0 | 21 | 2.56 | 134.94 | 0.010 | 1.07 | 1.15 |
| CO-2263 | MH-2127 | MH-2260 | 465.95 | 463.21 | 463.15 | 200.0 | 30 | 2.24 | 500.00 | 0.010 | 0.68 | 1.39 |
| CO-2264 | MH-2260 | MH-2261 | 465.30 | 463.15 | 463.09 | 200.0 | 30 | 1.69 | 500.00 | 0.010 | 0.68 | 1.40 |
| CO-2265 | MH-2261 | MH-2262 | 464.72 | 463.09 | 463.01 | 200.0 | 27 | 1.21 | 324.36 | 0.010 | 0.81 | 1.41 |
| CO-2266 | MH-2262 | MH-2263 | 464.21 | 462.71 | 462.47 | 200.0 | 29 | 1.15 | 120.00 | 0.010 | 1.19 | 1.42 |
| CO-2267 | MH-2263 | MH-2264 | 463.67 | 462.28 | 462.04 | 200.0 | 29 | 1.09 | 120.00 | 0.010 | 1.19 | 1.43 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|---------------------------------------|--------------------------|-------------------------|------------------|----------------------------|---------------------------|--------------------------------|----------------|-------------------|---------------|
| CO-2268 | MH-2264 | MH-2265 | 463.24 | 461.75 | 461.43 | 200.0 | 38 | 1.14 | 120.00 | 0.010 | 1.19 | 1.44 |
| CO-2269 | MH-2265 | MH-1577 | 462.63 | 459.52 | 459.26 | 200.0 | 31 | 2.28 | 120.00 | 0.010 | 1.19 | 1.45 |
| CO-3990 | MH-1577 | MH-3988 | 461.10 | 458.15 | 458.05 | 700.0 | 21 | 2.34 | 200.00 | 0.011 | 2.06 | 36.71 |
| CO-3991 | MH-3988 | MH-3989 | 461.17 | 458.05 | 457.98 | 700.0 | 35 | 2.44 | 500.00 | 0.011 | 1.43 | 36.72 |
| CO-3992 | MH-3989 | MH-3990 | 461.13 | 457.98 | 457.92 | 700.0 | 30 | 2.40 | 500.00 | 0.011 | 1.43 | 36.73 |
| CO-3993 | MH-3990 | MH-3991 | 460.95 | 457.92 | 457.85 | 700.0 | 30 | 2.33 | 500.00 | 0.011 | 1.43 | 36.74 |
| CO-3994 | MH-3991 | MH-3992 | 460.88 | 457.85 | 457.80 | 700.0 | 30 | 2.17 | 500.00 | 0.011 | 1.43 | 36.74 |
| CO-3995 | MH-3992 | MH-3993 | 460.50 | 457.80 | 457.73 | 700.0 | 30 | 1.94 | 500.00 | 0.011 | 1.43 | 36.75 |
| CO-3996 | MH-3993 | MH-3994 | 460.31 | 457.73 | 457.67 | 700.0 | 31 | 1.90 | 500.00 | 0.011 | 1.43 | 36.76 |
| CO-4038 | MH-4037 | MH-4038 | 461.39 | 460.32 | 460.14 | 150.0 | 27 | 1.04 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-4039 | MH-4038 | MH-4039 | 461.46 | 460.14 | 459.98 | 150.0 | 25 | 1.20 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-4040 | MH-4039 | MH-4036 | 461.36 | 459.98 | 459.74 | 150.0 | 36 | 1.61 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-4035 | MH-4034 | MH-4035 | 461.94 | 460.88 | 460.68 | 150.0 | 30 | 1.16 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-4036 | MH-4035 | MH-4033 | 462.23 | 460.68 | 460.48 | 150.0 | 29 | 1.46 | 150.00 | 0.010 | 0.33 | 0.02 |
| CO-4033 | MH-4032 | MH-4031 | 462.58 | 461.51 | 461.31 | 150.0 | 31 | 1.24 | 150.00 | 0.010 | 0.27 | 0.01 |
| CO-4010 | MH-4009 | MH-4010 | 465.57 | 464.10 | 463.95 | 150.0 | 19 | 1.16 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-4011 | MH-4010 | MH-4011 | 465.10 | 463.68 | 463.52 | 150.0 | 20 | 1.13 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-4012 | MH-4011 | MH-4012 | 464.67 | 463.37 | 463.15 | 150.0 | 27 | 1.07 | 120.00 | 0.010 | 0.41 | 0.03 |
| CO-4013 | MH-4012 | MH-4013 | 464.30 | 462.88 | 462.63 | 150.0 | 29 | 1.13 | 120.00 | 0.010 | 0.44 | 0.04 |
| CO-4014 | MH-4013 | MH-4006 | 463.78 | 462.27 | 462.04 | 150.0 | 28 | 1.18 | 120.00 | 0.010 | 0.48 | 0.05 |
| CO-3999 | MH-3997 | MH-3998 | 465.34 | 464.14 | 463.90 | 150.0 | 30 | 1.02 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-4000 | MH-3998 | MH-3999 | 465.05 | 463.69 | 463.48 | 150.0 | 26 | 1.10 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-4003 | MH-3999 | MH-4002 | 464.63 | 463.48 | 463.31 | 150.0 | 25 | 1.06 | 150.00 | 0.010 | 0.38 | 0.03 |
| CO-4004 | MH-4002 | MH-4003 | 464.58 | 463.05 | 462.89 | 150.0 | 19 | 1.19 | 120.00 | 0.010 | 0.44 | 0.04 |
| CO-4005 | MH-4003 | MH-4004 | 464.04 | 462.83 | 462.58 | 150.0 | 30 | 1.03 | 120.00 | 0.010 | 0.48 | 0.05 |
| CO-4006 | MH-4004 | MH-4005 | 463.73 | 462.40 | 462.22 | 150.0 | 21 | 1.09 | 120.00 | 0.010 | 0.50 | 0.06 |
| CO-4007 | MH-4005 | MH-4006 | 463.37 | 462.22 | 462.04 | 150.0 | 29 | 1.00 | 157.67 | 0.010 | 0.48 | 0.07 |
| CO-4017 | MH-4015 | MH-4017 | 465.66 | 464.38 | 464.20 | 150.0 | 22 | 1.06 | 120.00 | 0.010 | 0.29 | 0.01 |
| CO-4018 | MH-4017 | MH-4018 | 465.35 | 463.92 | 463.70 | 150.0 | 27 | 1.14 | 120.00 | 0.010 | 0.36 | 0.02 |
| CO-4021 | MH-4018 | MH-4021 | 464.85 | 463.44 | 463.24 | 150.0 | 25 | 1.13 | 120.00 | 0.010 | 0.41 | 0.03 |

FlexTable: Conduit Table

| Label | Start Node | Stop Node | Elevation Ground (Start) (m) | Invert (Start) (m) | Invert (Stop) (m) | Diameter (mm) | Length (Unified) (m) | Cover (Average) (m) | Slope (Calculated) (1/S) | Manning's n | Velocity (m/s) | Flow (MLD) |
|---------|------------|-----------|------------------------------|--------------------|-------------------|---------------|----------------------|---------------------|--------------------------|-------------|----------------|------------|
| CO-4024 | MH-4021 | MH-4024 | 464.39 | 462.39 | 462.15 | 150.0 | 28 | 1.42 | 120.00 | 0.010 | 0.44 | 0.04 |
| CO-4025 | MH-4024 | MH-4025 | 463.30 | 462.15 | 461.97 | 150.0 | 26 | 1.07 | 140.30 | 0.010 | 0.45 | 0.05 |
| CO-4026 | MH-4025 | MH-4026 | 463.26 | 461.97 | 461.78 | 150.0 | 30 | 1.32 | 163.10 | 0.010 | 0.45 | 0.06 |
| CO-4029 | MH-4026 | MH-4029 | 463.44 | 461.78 | 461.63 | 150.0 | 29 | 1.72 | 186.22 | 0.010 | 0.45 | 0.07 |
| CO-4030 | MH-4029 | MH-4006 | 463.72 | 461.63 | 461.53 | 150.0 | 21 | 1.73 | 207.39 | 0.010 | 0.45 | 0.08 |
| CO-4031 | MH-4006 | MH-4030 | 463.19 | 460.69 | 460.55 | 150.0 | 17 | 1.68 | 120.00 | 0.010 | 0.72 | 0.22 |
| CO-4032 | MH-4030 | MH-4031 | 461.70 | 460.55 | 460.39 | 150.0 | 23 | 1.73 | 150.00 | 0.010 | 0.68 | 0.23 |
| CO-4034 | MH-4031 | MH-4033 | 463.01 | 460.39 | 460.24 | 150.0 | 23 | 2.12 | 150.00 | 0.010 | 0.70 | 0.25 |
| CO-4037 | MH-4033 | MH-4036 | 462.15 | 460.24 | 460.08 | 150.0 | 23 | 1.70 | 150.00 | 0.010 | 0.72 | 0.29 |
| CO-4041 | MH-4036 | MH-4040 | 461.87 | 459.74 | 459.57 | 150.0 | 25 | 1.80 | 150.00 | 0.010 | 0.75 | 0.33 |
| CO-4042 | MH-4040 | MH-4041 | 461.34 | 459.57 | 459.29 | 150.0 | 37 | 1.40 | 132.55 | 0.010 | 0.79 | 0.34 |
| CO-4043 | MH-4041 | MH-3994 | 460.63 | 459.29 | 459.15 | 150.0 | 16 | 1.09 | 120.00 | 0.010 | 0.83 | 0.35 |
| CO-4044 | MH-3994 | MH-4042 | 460.30 | 457.67 | 457.62 | 700.0 | 26 | 1.92 | 500.00 | 0.011 | 1.43 | 37.03 |
| CO-4045 | MH-4042 | MH-4043 | 460.23 | 457.62 | 457.58 | 700.0 | 18 | 1.91 | 500.00 | 0.011 | 1.43 | 37.04 |
| CO-4046 | MH-4043 | MH-4044 | 460.19 | 457.58 | 457.54 | 700.0 | 23 | 1.58 | 500.00 | 0.011 | 1.43 | 37.05 |
| CO-4047 | MH-4044 | MH-4045 | 459.49 | 457.54 | 457.50 | 700.0 | 19 | 1.80 | 500.00 | 0.011 | 1.43 | 37.06 |
| CO-4048 | MH-4045 | MH-4046 | 460.55 | 457.50 | 457.48 | 700.0 | 12 | 2.14 | 500.00 | 0.011 | 1.43 | 37.06 |
| CO-4049 | MH-4046 | MH-2449 | 460.11 | 457.48 | 457.41 | 700.0 | 33 | 2.72 | 500.00 | 0.011 | 1.43 | 37.07 |
| CO-4084 | MH-2449 | OF-2 | 461.62 | 457.41 | 457.36 | 700.0 | 23 | 3.36 | 500.00 | 0.011 | 1.44 | 38.81 |

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|-----------|--------|-------|-----|-------|-----|----------|-----|-----------|------------|----------|----------------|------------|----------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |

Zone XI,XII,XIII - Trunk Main

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|-------------|----------------|---------------|----------------|----------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 800 | 1402 | 1.51 | 3.34 | 900 | 200 | 1.17 | 2.05 | | Min | Max | | Min | Max |
| 900 | 3359 | 1.5 | 4.58 | 900 | 500 | 1.24 | 1.59 | | 2.45 | 6.49 | | 1.17 | 2.05 |
| 1200 | 3575 | 1.52 | 4.53 | 900 | 500 | 1.52 | 1.92 | Upto 2.0 | 0.0 | 0.00 | | | |
| 1400 | 4643 | 1.69 | 4.87 | 900 | 500 | 1.6 | 2.05 | 2.01 to 4.0 | 6672.0 | 51.41 | | | |
| Total | 12979 | | | | | | | 4.01 to 6.0 | 5120.0 | 39.45 | | | |
| | | | | | | | | Above 6.0 | 1187.0 | 9.15 | Above 0.8 m/s | 12979.0 | 100.00 |
| Total | | | | | | | | | 12979.0 | 100.00 | Total | 12979.0 | 100.00 |

Zone XI,XII,XIII - Trunk Main

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity | Length | % Length |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|--------------|------------|---------------|----------------|------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 800 | 1402 | 1.51 | 3.34 | 900 | 200 | 1.17 | 2.05 | Upto 2.0 | 0 | 0 | Above 0.8 m/s | 12979.0 | 100 |
| 900 | 3359 | 1.5 | 4.58 | 900 | 500 | 1.24 | 1.59 | 2.01 to 4.0 | 6672 | 51.41 | | | |
| 1200 | 3575 | 1.52 | 4.53 | 900 | 500 | 1.52 | 1.92 | 4.01 to 6.0 | 5120 | 39.45 | | | |
| 1400 | 4643 | 1.69 | 4.87 | 900 | 500 | 1.6 | 2.05 | Above 6.0 | 1187 | 9.15 | | | |
| Total | 12979 | | | | | | | Total | 12979 | 100 | Total | 12979.0 | 100 |

Hydraulic Model Inventory: Zone X to XIII R1.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city Zone X to XIII |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 13-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 226 | Taps | 0 |
| -Circle | 226 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 226 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|---------------------|---------|-------------------|----------|
| Circle - 1,200.0 mm | 3,576 m | Circle - 900.0 mm | 3,357 m |
| Circle - 1,400.0 mm | 4,643 m | Total Length | 12,977 m |
| Circle - 800.0 mm | 1,401 m | | |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-5768 | 461.27 | 460.25 | MH-5750 | MH-5751 | 457.00 | 456.25 | 151 | 800.0 | 0.011 | 3.34 | 2.05 | 200.000 | 38.7050 |
| CO-5769 | 460.25 | 459.57 | MH-5751 | MH-5752 | 456.05 | 455.79 | 234 | 800.0 | 0.011 | 3.19 | 1.17 | 900.000 | 38.7050 |
| CO-5770 | 459.57 | 459.82 | MH-5752 | MH-5753 | 455.79 | 455.73 | 52 | 800.0 | 0.011 | 3.14 | 1.17 | 900.000 | 38.7050 |
| CO-5771 | 459.82 | 458.45 | MH-5753 | MH-5754 | 455.73 | 455.68 | 46 | 800.0 | 0.011 | 2.63 | 1.17 | 900.000 | 38.7050 |
| CO-5772 | 458.45 | 457.97 | MH-5754 | MH-5 | 455.68 | 455.64 | 32 | 800.0 | 0.011 | 1.75 | 1.17 | 900.000 | 38.7050 |
| CO-5 | 457.97 | 457.75 | MH-5 | MH-6 | 455.54 | 455.45 | 47 | 800.0 | 0.011 | 1.56 | 1.48 | 500.000 | 38.7050 |
| CO-6 | 457.75 | 457.48 | MH-6 | MH-7 | 455.30 | 455.18 | 60 | 800.0 | 0.011 | 1.58 | 1.48 | 500.000 | 38.7050 |
| CO-7 | 457.48 | 457.77 | MH-7 | MH-8 | 455.18 | 455.13 | 48 | 800.0 | 0.011 | 1.67 | 1.17 | 900.000 | 38.7050 |
| CO-8 | 457.77 | 457.15 | MH-8 | MH-9 | 455.03 | 454.85 | 91 | 800.0 | 0.011 | 1.72 | 1.48 | 500.000 | 38.7050 |
| CO-9 | 457.15 | 457.14 | MH-9 | MH-10 | 454.85 | 454.76 | 82 | 800.0 | 0.011 | 1.54 | 1.17 | 900.000 | 38.7050 |
| CO-10 | 457.14 | 456.80 | MH-10 | MH-11 | 454.62 | 454.50 | 61 | 800.0 | 0.011 | 1.61 | 1.48 | 500.000 | 38.7050 |
| CO-11 | 456.80 | 456.65 | MH-11 | MH-12 | 454.47 | 454.35 | 60 | 800.0 | 0.011 | 1.51 | 1.48 | 500.000 | 38.7050 |
| CO-12 | 456.65 | 455.92 | MH-12 | MH-13 | 453.82 | 453.62 | 102 | 800.0 | 0.011 | 1.77 | 1.48 | 500.000 | 38.7050 |
| CO-13 | 455.92 | 455.58 | MH-13 | MH-14 | 453.38 | 453.28 | 51 | 800.0 | 0.011 | 1.62 | 1.48 | 500.000 | 38.7050 |
| CO-14 | 455.58 | 455.42 | MH-14 | MH-15 | 453.19 | 453.12 | 38 | 800.0 | 0.011 | 1.54 | 1.48 | 500.000 | 38.7050 |
| CO-15 | 455.42 | 455.35 | MH-15 | MH-16 | 453.10 | 453.05 | 29 | 800.0 | 0.011 | 1.51 | 1.48 | 500.000 | 38.7050 |
| CO-16 | 455.35 | 455.25 | MH-16 | MH-17 | 453.01 | 452.95 | 33 | 800.0 | 0.011 | 1.52 | 1.48 | 500.000 | 38.7050 |
| CO-17 | 455.25 | 455.45 | MH-17 | MH-18 | 452.95 | 452.91 | 34 | 800.0 | 0.011 | 1.62 | 1.17 | 900.000 | 38.7050 |
| CO-18 | 455.45 | 454.03 | MH-18 | MH-19 | 451.91 | 451.73 | 92 | 800.0 | 0.011 | 2.12 | 1.54 | 500.000 | 47.9390 |
| CO-19 | 454.03 | 453.30 | MH-19 | MH-20 | 451.12 | 451.00 | 59 | 800.0 | 0.011 | 1.81 | 1.54 | 500.000 | 47.9390 |
| CO-20 | 453.30 | 453.68 | MH-20 | MH-21 | 450.90 | 450.87 | 25 | 900.0 | 0.011 | 1.70 | 1.24 | 900.000 | 47.9390 |
| CO-21 | 453.68 | 453.22 | MH-21 | MH-22 | 450.87 | 450.82 | 36 | 900.0 | 0.011 | 1.70 | 1.37 | 693.119 | 47.9390 |
| CO-22 | 453.22 | 454.31 | MH-22 | MH-23 | 450.82 | 450.81 | 14 | 900.0 | 0.011 | 2.05 | 1.24 | 900.000 | 47.9390 |
| CO-23 | 454.31 | 454.26 | MH-23 | MH-24 | 450.81 | 450.76 | 44 | 900.0 | 0.011 | 2.61 | 1.24 | 900.000 | 47.9390 |
| CO-24 | 454.26 | 453.29 | MH-24 | MH-25 | 450.76 | 450.68 | 68 | 900.0 | 0.011 | 2.16 | 1.24 | 900.000 | 47.9390 |
| CO-25 | 453.29 | 452.42 | MH-25 | MH-26 | 450.13 | 450.02 | 56 | 900.0 | 0.011 | 1.88 | 1.56 | 500.000 | 47.9390 |
| CO-26 | 452.42 | 451.71 | MH-26 | MH-27 | 449.41 | 449.31 | 48 | 900.0 | 0.011 | 1.81 | 1.57 | 500.000 | 49.6643 |
| CO-27 | 451.71 | 451.25 | MH-27 | MH-28 | 448.96 | 448.85 | 55 | 900.0 | 0.011 | 1.67 | 1.57 | 500.000 | 49.6643 |
| CO-28 | 451.25 | 452.27 | MH-28 | MH-29 | 448.85 | 448.81 | 34 | 900.0 | 0.011 | 2.03 | 1.25 | 900.000 | 49.6643 |
| CO-29 | 452.27 | 452.04 | MH-29 | MH-30 | 448.81 | 448.73 | 76 | 900.0 | 0.011 | 2.48 | 1.25 | 900.000 | 49.6643 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|-------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-30 | 452.04 | 453.06 | MH-30 | MH-31 | 448.73 | 448.67 | 48 | 900.0 | 0.011 | 2.95 | 1.25 | 900.000 | 49.6643 |
| CO-31 | 453.06 | 453.98 | MH-31 | MH-32 | 448.67 | 448.65 | 24 | 900.0 | 0.011 | 3.96 | 1.25 | 900.000 | 49.6643 |
| CO-32 | 453.98 | 451.67 | MH-32 | MH-33 | 448.65 | 448.60 | 45 | 900.0 | 0.011 | 3.30 | 1.25 | 900.000 | 49.6643 |
| CO-33 | 451.67 | 451.92 | MH-33 | MH-34 | 448.60 | 448.57 | 24 | 900.0 | 0.011 | 2.31 | 1.25 | 900.000 | 49.6643 |
| CO-34 | 451.92 | 451.69 | MH-34 | MH-35 | 448.57 | 448.53 | 38 | 900.0 | 0.011 | 2.36 | 1.25 | 900.000 | 49.6643 |
| CO-35 | 451.69 | 454.20 | MH-35 | MH-36 | 448.53 | 448.51 | 21 | 900.0 | 0.011 | 3.53 | 1.26 | 900.000 | 52.5220 |
| CO-36 | 454.20 | 453.73 | MH-36 | MH-37 | 448.51 | 448.48 | 25 | 900.0 | 0.011 | 4.58 | 1.26 | 900.000 | 52.5220 |
| CO-37 | 453.73 | 453.31 | MH-37 | MH-38 | 448.48 | 448.45 | 30 | 900.0 | 0.011 | 4.16 | 1.26 | 900.000 | 52.5220 |
| CO-38 | 453.31 | 451.98 | MH-38 | MH-39 | 448.45 | 448.41 | 33 | 900.0 | 0.011 | 3.32 | 1.26 | 900.000 | 52.5220 |
| CO-39 | 451.98 | 451.48 | MH-39 | MH-40 | 448.41 | 448.37 | 33 | 900.0 | 0.011 | 2.44 | 1.26 | 900.000 | 52.5220 |
| CO-40 | 451.48 | 451.47 | MH-40 | MH-41 | 448.37 | 448.34 | 26 | 900.0 | 0.011 | 2.21 | 1.26 | 900.000 | 52.5220 |
| CO-41 | 451.47 | 451.15 | MH-41 | MH-42 | 448.34 | 448.26 | 72 | 900.0 | 0.011 | 2.10 | 1.26 | 900.000 | 52.5220 |
| CO-42 | 451.15 | 451.23 | MH-42 | MH-43 | 448.26 | 448.21 | 45 | 900.0 | 0.011 | 2.05 | 1.26 | 900.000 | 52.5220 |
| CO-43 | 451.23 | 451.17 | MH-43 | MH-44 | 448.21 | 448.17 | 36 | 900.0 | 0.011 | 2.10 | 1.26 | 900.000 | 52.5220 |
| CO-44 | 451.17 | 450.55 | MH-44 | MH-45 | 448.17 | 448.14 | 31 | 900.0 | 0.011 | 1.80 | 1.26 | 900.000 | 52.5220 |
| CO-45 | 450.55 | 451.35 | MH-45 | MH-46 | 448.14 | 448.07 | 65 | 900.0 | 0.011 | 1.95 | 1.26 | 900.000 | 52.5220 |
| CO-46 | 451.35 | 450.64 | MH-46 | MH-47 | 448.07 | 448.03 | 35 | 900.0 | 0.011 | 2.05 | 1.26 | 900.000 | 52.5220 |
| CO-47 | 450.64 | 450.39 | MH-47 | MH-48 | 448.03 | 447.93 | 91 | 900.0 | 0.011 | 1.64 | 1.26 | 900.000 | 52.5220 |
| CO-48 | 450.39 | 450.15 | MH-48 | MH-49 | 447.82 | 447.75 | 39 | 900.0 | 0.011 | 1.58 | 1.59 | 500.000 | 52.5220 |
| CO-49 | 450.15 | 450.12 | MH-49 | MH-50 | 447.75 | 447.71 | 33 | 900.0 | 0.011 | 1.50 | 1.26 | 900.000 | 52.5220 |
| CO-50 | 450.12 | 450.02 | MH-50 | MH-51 | 447.71 | 447.62 | 45 | 900.0 | 0.011 | 1.50 | 1.58 | 510.058 | 52.5220 |
| CO-51 | 450.02 | 449.77 | MH-51 | MH-52 | 447.46 | 447.37 | 44 | 900.0 | 0.011 | 1.58 | 1.59 | 500.000 | 52.5220 |
| CO-52 | 449.77 | 450.07 | MH-52 | MH-53 | 447.37 | 447.31 | 50 | 900.0 | 0.011 | 1.68 | 1.26 | 900.000 | 52.5220 |
| CO-53 | 450.07 | 449.95 | MH-53 | MH-54 | 447.31 | 447.25 | 55 | 900.0 | 0.011 | 1.82 | 1.26 | 900.000 | 52.5220 |
| CO-54 | 449.95 | 449.48 | MH-54 | MH-55 | 447.16 | 447.08 | 39 | 900.0 | 0.011 | 1.69 | 1.59 | 500.000 | 52.5220 |
| CO-55 | 449.48 | 449.84 | MH-55 | MH-56 | 447.08 | 447.03 | 46 | 900.0 | 0.011 | 1.70 | 1.26 | 900.000 | 52.5220 |
| CO-56 | 449.84 | 449.52 | MH-56 | MH-57 | 447.03 | 446.99 | 35 | 900.0 | 0.011 | 1.77 | 1.26 | 900.000 | 52.5220 |
| CO-57 | 449.52 | 449.64 | MH-57 | MH-58 | 446.99 | 446.96 | 23 | 900.0 | 0.011 | 1.70 | 1.26 | 900.000 | 52.5220 |
| CO-58 | 449.64 | 449.76 | MH-58 | MH-59 | 446.96 | 446.89 | 63 | 900.0 | 0.011 | 1.87 | 1.26 | 900.000 | 52.5220 |
| CO-59 | 449.76 | 449.80 | MH-59 | MH-60 | 446.89 | 446.85 | 39 | 900.0 | 0.011 | 2.01 | 1.26 | 900.000 | 52.5220 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|-------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-60 | 449.80 | 450.25 | MH-60 | MH-61 | 446.85 | 446.77 | 70 | 900.0 | 0.011 | 2.31 | 1.26 | 900.000 | 52.5220 |
| CO-61 | 450.25 | 449.64 | MH-61 | MH-62 | 446.77 | 446.73 | 42 | 900.0 | 0.011 | 2.29 | 1.26 | 900.000 | 52.5220 |
| CO-62 | 449.64 | 450.11 | MH-62 | MH-63 | 446.73 | 446.65 | 66 | 900.0 | 0.011 | 2.29 | 1.26 | 900.000 | 52.5220 |
| CO-63 | 450.11 | 449.77 | MH-63 | MH-64 | 446.65 | 446.62 | 26 | 900.0 | 0.011 | 2.40 | 1.26 | 900.000 | 52.5220 |
| CO-64 | 449.77 | 450.64 | MH-64 | MH-65 | 446.62 | 446.57 | 47 | 900.0 | 0.011 | 2.71 | 1.26 | 900.000 | 52.5220 |
| CO-65 | 450.64 | 450.41 | MH-65 | MH-66 | 446.57 | 446.50 | 66 | 900.0 | 0.011 | 3.09 | 1.27 | 900.000 | 54.8361 |
| CO-66 | 450.41 | 450.06 | MH-66 | MH-67 | 446.50 | 446.45 | 47 | 900.0 | 0.011 | 2.86 | 1.27 | 900.000 | 54.8361 |
| CO-67 | 450.06 | 448.92 | MH-67 | MH-68 | 446.45 | 446.37 | 70 | 900.0 | 0.011 | 2.18 | 1.27 | 900.000 | 54.8361 |
| CO-68 | 448.92 | 449.79 | MH-68 | MH-69 | 446.37 | 446.30 | 66 | 900.0 | 0.011 | 2.12 | 1.27 | 900.000 | 54.8361 |
| CO-69 | 449.79 | 451.16 | MH-69 | MH-70 | 446.30 | 446.26 | 30 | 900.0 | 0.011 | 3.30 | 1.27 | 900.000 | 54.8361 |
| CO-70 | 451.16 | 450.42 | MH-70 | MH-71 | 446.26 | 446.18 | 72 | 900.0 | 0.011 | 3.67 | 1.27 | 900.000 | 54.8361 |
| CO-71 | 450.42 | 450.36 | MH-71 | MH-72 | 446.18 | 446.11 | 66 | 900.0 | 0.011 | 3.34 | 1.27 | 900.000 | 54.8361 |
| CO-72 | 450.36 | 449.18 | MH-72 | MH-73 | 446.11 | 446.04 | 63 | 900.0 | 0.011 | 2.80 | 1.27 | 900.000 | 54.8361 |
| CO-73 | 449.18 | 449.34 | MH-73 | MH-74 | 446.04 | 445.98 | 52 | 900.0 | 0.011 | 2.35 | 1.27 | 900.000 | 54.8361 |
| CO-74 | 449.34 | 449.28 | MH-74 | MH-75 | 445.98 | 445.95 | 26 | 900.0 | 0.011 | 2.44 | 1.27 | 900.000 | 54.8361 |
| CO-75 | 449.28 | 449.26 | MH-75 | MH-76 | 445.95 | 445.90 | 46 | 900.0 | 0.011 | 2.44 | 1.27 | 900.000 | 54.8361 |
| CO-76 | 449.26 | 449.61 | MH-76 | MH-77 | 445.90 | 445.81 | 86 | 900.0 | 0.011 | 2.68 | 1.27 | 900.000 | 54.8361 |
| CO-77 | 449.61 | 448.05 | MH-77 | MH-78 | 445.81 | 445.65 | 89 | 900.0 | 0.011 | 2.20 | 1.53 | 569.848 | 54.8361 |
| CO-78 | 448.05 | 448.58 | MH-78 | MH-79 | 445.65 | 445.58 | 59 | 900.0 | 0.011 | 1.80 | 1.27 | 900.000 | 54.8361 |
| CO-79 | 448.58 | 448.99 | MH-79 | MH-80 | 445.58 | 445.55 | 30 | 900.0 | 0.011 | 2.32 | 1.27 | 900.000 | 54.8361 |
| CO-80 | 448.99 | 448.96 | MH-80 | MH-81 | 445.55 | 445.52 | 26 | 900.0 | 0.011 | 2.54 | 1.27 | 900.000 | 54.8361 |
| CO-81 | 448.96 | 449.13 | MH-81 | MH-82 | 445.52 | 445.48 | 38 | 900.0 | 0.011 | 2.65 | 1.27 | 900.000 | 54.8361 |
| CO-82 | 449.13 | 449.62 | MH-82 | MH-83 | 445.48 | 445.43 | 48 | 900.0 | 0.011 | 3.02 | 1.27 | 900.000 | 54.8361 |
| CO-83 | 449.62 | 449.70 | MH-83 | MH-84 | 445.43 | 445.38 | 37 | 900.0 | 0.011 | 3.36 | 1.27 | 900.000 | 54.8361 |
| CO-84 | 449.70 | 448.88 | MH-84 | MH-85 | 445.38 | 445.32 | 57 | 900.0 | 0.011 | 3.04 | 1.27 | 900.000 | 54.8361 |
| CO-85 | 448.88 | 448.76 | MH-85 | MH-86 | 445.32 | 445.27 | 42 | 900.0 | 0.011 | 2.62 | 1.27 | 900.000 | 54.8361 |
| CO-86 | 448.76 | 449.92 | MH-86 | MH-87 | 445.27 | 445.23 | 38 | 900.0 | 0.011 | 3.19 | 1.27 | 900.000 | 54.8361 |
| CO-87 | 449.92 | 449.68 | MH-87 | MH-88 | 445.23 | 445.17 | 59 | 900.0 | 0.011 | 3.70 | 1.27 | 900.000 | 54.8361 |
| CO-88 | 449.68 | 447.76 | MH-88 | MH-89 | 445.17 | 445.08 | 81 | 900.0 | 0.011 | 2.70 | 1.27 | 900.000 | 54.8361 |
| CO-89 | 447.76 | 447.42 | MH-89 | MH-90 | 445.08 | 444.99 | 76 | 900.0 | 0.011 | 1.66 | 1.27 | 900.000 | 54.8361 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|--------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-90 | 447.42 | 447.50 | MH-90 | MH-91 | 444.99 | 444.94 | 49 | 900.0 | 0.011 | 1.60 | 1.27 | 900.000 | 54.8361 |
| CO-91 | 447.50 | 446.60 | MH-91 | MH-92 | 444.09 | 444.00 | 45 | 1,200.0 | 0.011 | 1.80 | 1.90 | 500.000 | 110.0734 |
| CO-92 | 446.60 | 448.49 | MH-92 | MH-93 | 443.90 | 443.83 | 67 | 1,200.0 | 0.011 | 2.48 | 1.52 | 900.000 | 110.0734 |
| CO-93 | 448.49 | 447.57 | MH-93 | MH-94 | 443.83 | 443.75 | 70 | 1,200.0 | 0.011 | 3.04 | 1.52 | 900.000 | 110.0734 |
| CO-94 | 447.57 | 447.96 | MH-94 | MH-95 | 443.75 | 443.67 | 71 | 1,200.0 | 0.011 | 2.85 | 1.52 | 900.000 | 110.0734 |
| CO-95 | 447.96 | 447.86 | MH-95 | MH-96 | 443.67 | 443.60 | 69 | 1,200.0 | 0.011 | 3.07 | 1.52 | 900.000 | 110.0734 |
| CO-96 | 447.86 | 447.48 | MH-96 | MH-97 | 443.60 | 443.53 | 59 | 1,200.0 | 0.011 | 2.91 | 1.52 | 900.000 | 110.0734 |
| CO-97 | 447.48 | 447.48 | MH-97 | MH-98 | 443.53 | 443.49 | 39 | 1,200.0 | 0.011 | 2.77 | 1.52 | 900.000 | 110.0734 |
| CO-98 | 447.48 | 446.92 | MH-98 | MH-99 | 443.49 | 443.43 | 48 | 1,200.0 | 0.011 | 2.54 | 1.52 | 900.000 | 110.0734 |
| CO-99 | 446.92 | 447.21 | MH-99 | MH-100 | 443.43 | 443.41 | 17 | 1,200.0 | 0.011 | 2.44 | 1.52 | 900.000 | 110.0734 |
| CO-100 | 447.21 | 447.37 | MH-100 | MH-101 | 443.41 | 443.37 | 40 | 1,200.0 | 0.011 | 2.70 | 1.52 | 900.000 | 110.0734 |
| CO-101 | 447.37 | 447.55 | MH-101 | MH-102 | 443.37 | 443.34 | 25 | 1,200.0 | 0.011 | 2.90 | 1.52 | 900.000 | 110.0734 |
| CO-102 | 447.55 | 447.36 | MH-102 | MH-103 | 443.34 | 443.31 | 32 | 1,200.0 | 0.011 | 2.93 | 1.52 | 900.000 | 110.0734 |
| CO-103 | 447.36 | 445.52 | MH-103 | MH-104 | 442.97 | 442.82 | 76 | 1,200.0 | 0.011 | 2.34 | 1.92 | 500.000 | 110.0734 |
| CO-104 | 445.52 | 446.55 | MH-104 | MH-105 | 442.82 | 442.72 | 83 | 1,200.0 | 0.011 | 2.06 | 1.52 | 900.000 | 110.0734 |
| CO-105 | 446.55 | 446.49 | MH-105 | MH-106 | 442.72 | 442.67 | 48 | 1,200.0 | 0.011 | 2.62 | 1.52 | 900.000 | 110.0734 |
| CO-106 | 446.49 | 447.25 | MH-106 | MH-107 | 442.67 | 442.60 | 63 | 1,200.0 | 0.011 | 3.03 | 1.52 | 900.000 | 110.0734 |
| CO-107 | 447.25 | 446.30 | MH-107 | MH-108 | 442.60 | 442.54 | 56 | 1,200.0 | 0.011 | 3.01 | 1.52 | 900.000 | 110.0734 |
| CO-108 | 446.30 | 446.61 | MH-108 | MH-109 | 442.54 | 442.49 | 48 | 1,200.0 | 0.011 | 2.75 | 1.52 | 900.000 | 110.0734 |
| CO-109 | 446.61 | 446.20 | MH-109 | MH-110 | 442.49 | 442.38 | 91 | 1,200.0 | 0.011 | 2.77 | 1.52 | 900.000 | 110.0734 |
| CO-110 | 446.20 | 445.65 | MH-110 | MH-111 | 442.38 | 442.30 | 79 | 1,200.0 | 0.011 | 2.38 | 1.52 | 900.000 | 110.0734 |
| CO-111 | 445.65 | 445.54 | MH-111 | MH-112 | 442.30 | 442.24 | 52 | 1,200.0 | 0.011 | 2.12 | 1.52 | 900.000 | 110.0734 |
| CO-112 | 445.54 | 446.57 | MH-112 | MH-113 | 442.24 | 442.18 | 50 | 1,200.0 | 0.011 | 2.64 | 1.52 | 900.000 | 110.0734 |
| CO-113 | 446.57 | 447.15 | MH-113 | MH-114 | 442.18 | 442.07 | 106 | 1,200.0 | 0.011 | 3.53 | 1.52 | 900.000 | 110.0734 |
| CO-114 | 447.15 | 445.11 | MH-114 | MH-115 | 442.07 | 441.97 | 84 | 1,200.0 | 0.011 | 2.91 | 1.52 | 900.000 | 110.0734 |
| CO-115 | 445.11 | 444.68 | MH-115 | MH-116 | 441.97 | 441.93 | 39 | 1,200.0 | 0.011 | 1.74 | 1.52 | 900.000 | 110.0734 |
| CO-116 | 444.68 | 445.46 | MH-116 | MH-117 | 441.93 | 441.89 | 36 | 1,200.0 | 0.011 | 1.96 | 1.52 | 900.000 | 110.0734 |
| CO-117 | 445.46 | 445.61 | MH-117 | MH-118 | 441.89 | 441.83 | 57 | 1,200.0 | 0.011 | 2.48 | 1.52 | 900.000 | 110.0734 |
| CO-118 | 445.61 | 444.90 | MH-118 | MH-119 | 441.83 | 441.77 | 46 | 1,200.0 | 0.011 | 2.26 | 1.52 | 900.000 | 110.0734 |
| CO-119 | 444.90 | 445.77 | MH-119 | MH-120 | 441.77 | 441.71 | 60 | 1,200.0 | 0.011 | 2.39 | 1.52 | 900.000 | 110.0734 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|--------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-120 | 445.77 | 444.63 | MH-120 | MH-121 | 441.71 | 441.60 | 94 | 1,200.0 | 0.011 | 2.34 | 1.52 | 900.000 | 110.0734 |
| CO-121 | 444.63 | 446.88 | MH-121 | MH-122 | 441.60 | 441.50 | 93 | 1,200.0 | 0.011 | 3.00 | 1.52 | 900.000 | 110.0734 |
| CO-122 | 446.88 | 447.40 | MH-122 | MH-123 | 441.50 | 441.43 | 59 | 1,200.0 | 0.011 | 4.47 | 1.52 | 900.000 | 110.0734 |
| CO-123 | 447.40 | 446.78 | MH-123 | MH-124 | 441.43 | 441.30 | 119 | 1,200.0 | 0.011 | 4.53 | 1.52 | 900.000 | 110.0734 |
| CO-124 | 446.78 | 446.36 | MH-124 | MH-125 | 441.30 | 441.20 | 89 | 1,200.0 | 0.011 | 4.12 | 1.52 | 900.000 | 110.0734 |
| CO-125 | 446.36 | 446.42 | MH-125 | MH-126 | 441.20 | 441.12 | 71 | 1,200.0 | 0.011 | 4.03 | 1.52 | 900.000 | 110.0734 |
| CO-126 | 446.42 | 444.40 | MH-126 | MH-127 | 441.12 | 441.03 | 86 | 1,200.0 | 0.011 | 3.14 | 1.52 | 900.000 | 110.0734 |
| CO-127 | 444.40 | 444.28 | MH-127 | MH-128 | 441.03 | 440.95 | 67 | 1,200.0 | 0.011 | 2.15 | 1.52 | 900.000 | 110.0734 |
| CO-128 | 444.28 | 444.24 | MH-128 | MH-129 | 440.95 | 440.88 | 64 | 1,200.0 | 0.011 | 2.15 | 1.52 | 900.000 | 110.0734 |
| CO-129 | 444.24 | 444.17 | MH-129 | MH-130 | 440.88 | 440.79 | 60 | 1,200.0 | 0.011 | 2.17 | 1.72 | 660.869 | 110.0734 |
| CO-130 | 444.17 | 443.37 | MH-130 | MH-131 | 440.79 | 440.67 | 61 | 1,200.0 | 0.011 | 1.84 | 1.92 | 500.000 | 110.0734 |
| CO-131 | 443.37 | 443.37 | MH-131 | MH-132 | 440.67 | 440.62 | 42 | 1,200.0 | 0.011 | 1.52 | 1.52 | 900.000 | 110.0734 |
| CO-132 | 443.37 | 443.99 | MH-132 | MH-133 | 440.62 | 440.55 | 61 | 1,200.0 | 0.011 | 1.89 | 1.52 | 900.000 | 110.0734 |
| CO-133 | 443.99 | 443.87 | MH-133 | MH-134 | 440.55 | 440.47 | 77 | 1,200.0 | 0.011 | 2.22 | 1.52 | 900.000 | 110.0734 |
| CO-134 | 443.87 | 443.13 | MH-134 | MH-135 | 440.47 | 440.39 | 66 | 1,200.0 | 0.011 | 1.87 | 1.52 | 900.000 | 110.0734 |
| CO-135 | 443.13 | 442.79 | MH-135 | MH-136 | 440.23 | 440.09 | 71 | 1,200.0 | 0.011 | 1.60 | 1.92 | 500.000 | 110.0734 |
| CO-136 | 442.79 | 442.83 | MH-136 | MH-137 | 440.09 | 439.98 | 96 | 1,200.0 | 0.011 | 1.57 | 1.52 | 900.000 | 110.0734 |
| CO-137 | 442.83 | 443.43 | MH-137 | MH-138 | 439.98 | 439.87 | 106 | 1,200.0 | 0.011 | 2.01 | 1.52 | 900.000 | 110.0734 |
| CO-138 | 443.43 | 443.50 | MH-138 | MH-139 | 439.87 | 439.79 | 70 | 1,200.0 | 0.011 | 2.44 | 1.52 | 900.000 | 110.0734 |
| CO-139 | 443.50 | 443.70 | MH-139 | MH-140 | 439.79 | 439.71 | 68 | 1,200.0 | 0.011 | 2.65 | 1.52 | 900.000 | 110.0734 |
| CO-140 | 443.70 | 443.36 | MH-140 | MH-141 | 439.71 | 439.64 | 70 | 1,200.0 | 0.011 | 2.65 | 1.52 | 900.000 | 110.0734 |
| CO-141 | 443.36 | 443.92 | MH-141 | MH-142 | 439.64 | 439.52 | 104 | 1,200.0 | 0.011 | 2.86 | 1.52 | 900.000 | 110.0734 |
| CO-142 | 443.92 | 443.87 | MH-142 | MH-143 | 439.52 | 439.46 | 52 | 1,200.0 | 0.011 | 3.21 | 1.52 | 900.000 | 110.0734 |
| CO-143 | 443.87 | 442.97 | MH-143 | MH-144 | 439.46 | 439.40 | 59 | 1,200.0 | 0.011 | 2.79 | 1.52 | 900.000 | 110.0734 |
| CO-144 | 442.97 | 443.49 | MH-144 | MH-145 | 439.40 | 439.33 | 57 | 1,200.0 | 0.011 | 2.66 | 1.52 | 900.000 | 110.0734 |
| CO-145 | 443.49 | 443.26 | MH-145 | MH-146 | 439.33 | 439.27 | 57 | 1,200.0 | 0.011 | 2.87 | 1.52 | 900.000 | 110.0734 |
| CO-146 | 443.26 | 444.26 | MH-146 | MH-147 | 439.07 | 439.00 | 62 | 1,400.0 | 0.011 | 3.32 | 1.60 | 900.000 | 130.7600 |
| CO-147 | 444.26 | 443.41 | MH-147 | MH-148 | 439.00 | 438.95 | 50 | 1,400.0 | 0.011 | 3.46 | 1.60 | 900.000 | 130.7600 |
| CO-148 | 443.41 | 442.08 | MH-148 | MH-149 | 438.95 | 438.91 | 35 | 1,400.0 | 0.011 | 2.42 | 1.60 | 900.000 | 130.7600 |
| CO-149 | 442.08 | 442.18 | MH-149 | MH-150 | 438.91 | 438.85 | 48 | 1,400.0 | 0.011 | 1.85 | 1.60 | 900.000 | 130.7600 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|--------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-150 | 442.18 | 442.38 | MH-150 | MH-151 | 438.85 | 438.81 | 36 | 1,400.0 | 0.011 | 2.05 | 1.60 | 900.000 | 130.7600 |
| CO-151 | 442.38 | 442.47 | MH-151 | MH-152 | 438.81 | 438.78 | 31 | 1,400.0 | 0.011 | 2.23 | 1.60 | 900.000 | 130.7600 |
| CO-152 | 442.47 | 441.99 | MH-152 | MH-153 | 438.78 | 438.71 | 65 | 1,400.0 | 0.011 | 2.09 | 1.60 | 900.000 | 130.7600 |
| CO-153 | 441.99 | 441.60 | MH-153 | MH-154 | 438.71 | 438.66 | 41 | 1,400.0 | 0.011 | 1.71 | 1.60 | 900.000 | 130.7600 |
| CO-154 | 441.60 | 441.09 | MH-154 | MH-155 | 438.26 | 438.19 | 35 | 1,400.0 | 0.011 | 1.72 | 2.01 | 500.000 | 130.7600 |
| CO-155 | 441.09 | 442.79 | MH-155 | MH-156 | 438.19 | 438.11 | 76 | 1,400.0 | 0.011 | 2.39 | 1.60 | 900.000 | 130.7600 |
| CO-156 | 442.79 | 442.35 | MH-156 | MH-157 | 438.11 | 438.07 | 39 | 1,400.0 | 0.011 | 3.08 | 1.60 | 900.000 | 130.7600 |
| CO-157 | 442.35 | 440.81 | MH-157 | MH-158 | 437.98 | 437.91 | 36 | 1,400.0 | 0.011 | 2.23 | 2.01 | 500.000 | 130.7600 |
| CO-158 | 440.81 | 441.51 | MH-158 | MH-159 | 437.91 | 437.84 | 60 | 1,400.0 | 0.011 | 1.89 | 1.60 | 900.000 | 130.7600 |
| CO-159 | 441.51 | 442.61 | MH-159 | MH-160 | 437.84 | 437.78 | 53 | 1,400.0 | 0.011 | 2.85 | 1.60 | 900.000 | 130.7600 |
| CO-160 | 442.61 | 441.08 | MH-160 | MH-161 | 437.78 | 437.76 | 19 | 1,400.0 | 0.011 | 2.67 | 1.60 | 900.000 | 130.7600 |
| CO-161 | 441.08 | 441.42 | MH-161 | MH-162 | 437.76 | 437.70 | 56 | 1,400.0 | 0.011 | 2.12 | 1.60 | 900.000 | 130.7600 |
| CO-162 | 441.42 | 440.23 | MH-162 | MH-163 | 437.43 | 437.33 | 49 | 1,400.0 | 0.011 | 2.05 | 2.05 | 500.000 | 144.0893 |
| CO-163 | 440.23 | 443.24 | MH-163 | MH-164 | 437.33 | 437.27 | 54 | 1,400.0 | 0.011 | 3.03 | 1.64 | 900.000 | 144.0893 |
| CO-164 | 443.24 | 442.26 | MH-164 | MH-165 | 437.27 | 437.19 | 69 | 1,400.0 | 0.011 | 4.12 | 1.64 | 900.000 | 144.0893 |
| CO-165 | 442.26 | 442.25 | MH-165 | MH-166 | 437.19 | 437.14 | 48 | 1,400.0 | 0.011 | 3.69 | 1.64 | 900.000 | 144.0893 |
| CO-166 | 442.25 | 441.64 | MH-166 | MH-167 | 437.14 | 437.06 | 68 | 1,400.0 | 0.011 | 3.45 | 1.64 | 900.000 | 144.0893 |
| CO-167 | 441.64 | 441.12 | MH-167 | MH-168 | 437.06 | 436.99 | 68 | 1,400.0 | 0.011 | 2.96 | 1.64 | 900.000 | 144.0893 |
| CO-168 | 441.12 | 440.21 | MH-168 | MH-169 | 436.99 | 436.92 | 59 | 1,400.0 | 0.011 | 2.31 | 1.64 | 900.000 | 144.0893 |
| CO-169 | 440.21 | 439.73 | MH-169 | MH-170 | 436.92 | 436.83 | 54 | 1,400.0 | 0.011 | 1.69 | 1.90 | 612.932 | 144.0893 |
| CO-170 | 439.73 | 441.71 | MH-170 | MH-171 | 436.83 | 436.77 | 57 | 1,400.0 | 0.011 | 2.52 | 1.64 | 900.000 | 144.0893 |
| CO-171 | 441.71 | 441.79 | MH-171 | MH-172 | 436.77 | 436.73 | 38 | 1,400.0 | 0.011 | 3.60 | 1.64 | 900.000 | 144.0893 |
| CO-172 | 441.79 | 441.79 | MH-172 | MH-173 | 436.73 | 436.69 | 33 | 1,400.0 | 0.011 | 3.68 | 1.64 | 900.000 | 144.0893 |
| CO-173 | 441.79 | 441.92 | MH-173 | MH-174 | 436.69 | 436.63 | 53 | 1,400.0 | 0.011 | 3.79 | 1.64 | 900.000 | 144.0893 |
| CO-174 | 441.92 | 441.91 | MH-174 | MH-175 | 436.63 | 436.56 | 64 | 1,400.0 | 0.011 | 3.92 | 1.64 | 900.000 | 144.0893 |
| CO-175 | 441.91 | 438.72 | MH-175 | MH-176 | 435.94 | 435.82 | 58 | 1,400.0 | 0.011 | 3.03 | 2.05 | 500.000 | 144.0893 |
| CO-176 | 438.72 | 439.94 | MH-176 | MH-177 | 435.82 | 435.74 | 80 | 1,400.0 | 0.011 | 2.15 | 1.64 | 900.000 | 144.7847 |
| CO-177 | 439.94 | 439.07 | MH-177 | MH-178 | 435.74 | 435.69 | 45 | 1,400.0 | 0.011 | 2.39 | 1.64 | 900.000 | 144.7847 |
| CO-178 | 439.07 | 440.81 | MH-178 | MH-179 | 435.69 | 435.63 | 48 | 1,400.0 | 0.011 | 2.88 | 1.64 | 900.000 | 144.7847 |
| CO-179 | 440.81 | 440.93 | MH-179 | MH-180 | 435.63 | 435.60 | 32 | 1,400.0 | 0.011 | 3.85 | 1.64 | 900.000 | 144.7847 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|--------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-180 | 440.93 | 439.38 | MH-180 | MH-181 | 435.60 | 435.55 | 43 | 1,400.0 | 0.011 | 3.18 | 1.64 | 900.000 | 144.7847 |
| CO-181 | 439.38 | 439.15 | MH-181 | MH-182 | 435.55 | 435.50 | 47 | 1,400.0 | 0.011 | 2.34 | 1.64 | 900.000 | 144.7847 |
| CO-182 | 439.15 | 440.97 | MH-182 | MH-183 | 435.50 | 435.42 | 72 | 1,400.0 | 0.011 | 3.20 | 1.64 | 900.000 | 144.7847 |
| CO-183 | 440.97 | 441.09 | MH-183 | MH-184 | 435.42 | 435.38 | 31 | 1,400.0 | 0.011 | 4.23 | 1.64 | 900.000 | 144.7847 |
| CO-184 | 441.09 | 439.24 | MH-184 | MH-185 | 435.38 | 435.34 | 36 | 1,400.0 | 0.011 | 3.40 | 1.64 | 900.000 | 144.7847 |
| CO-185 | 439.24 | 440.30 | MH-185 | MH-186 | 435.34 | 435.32 | 24 | 1,400.0 | 0.011 | 3.04 | 1.64 | 900.000 | 144.7847 |
| CO-186 | 440.30 | 440.99 | MH-186 | MH-187 | 435.32 | 435.28 | 29 | 1,400.0 | 0.011 | 3.95 | 1.64 | 900.000 | 144.7847 |
| CO-187 | 440.99 | 440.96 | MH-187 | MH-188 | 435.28 | 435.24 | 35 | 1,400.0 | 0.011 | 4.31 | 1.64 | 900.000 | 144.7847 |
| CO-188 | 440.96 | 441.12 | MH-188 | MH-189 | 435.24 | 435.17 | 66 | 1,400.0 | 0.011 | 4.43 | 1.64 | 900.000 | 144.7847 |
| CO-189 | 441.12 | 440.91 | MH-189 | MH-190 | 435.17 | 435.07 | 94 | 1,400.0 | 0.011 | 4.49 | 1.64 | 900.000 | 144.7847 |
| CO-190 | 440.91 | 441.18 | MH-190 | MH-191 | 435.07 | 434.97 | 86 | 1,400.0 | 0.011 | 4.62 | 1.64 | 900.000 | 144.7847 |
| CO-191 | 441.18 | 441.25 | MH-191 | MH-192 | 434.97 | 434.91 | 54 | 1,400.0 | 0.011 | 4.87 | 1.64 | 900.000 | 144.7847 |
| CO-192 | 441.25 | 440.22 | MH-192 | MH-193 | 434.91 | 434.83 | 77 | 1,400.0 | 0.011 | 4.46 | 1.64 | 900.000 | 144.7847 |
| CO-193 | 440.22 | 440.63 | MH-193 | MH-194 | 434.83 | 434.76 | 57 | 1,400.0 | 0.011 | 4.23 | 1.64 | 900.000 | 144.7847 |
| CO-194 | 440.63 | 440.45 | MH-194 | MH-195 | 434.76 | 434.68 | 70 | 1,400.0 | 0.011 | 4.42 | 1.64 | 900.000 | 144.7847 |
| CO-195 | 440.45 | 440.38 | MH-195 | MH-196 | 434.68 | 434.64 | 41 | 1,400.0 | 0.011 | 4.35 | 1.64 | 900.000 | 144.7847 |
| CO-196 | 440.38 | 440.89 | MH-196 | MH-197 | 434.64 | 434.58 | 56 | 1,400.0 | 0.011 | 4.62 | 1.64 | 900.000 | 144.7847 |
| CO-197 | 440.89 | 440.33 | MH-197 | MH-198 | 434.58 | 434.49 | 74 | 1,400.0 | 0.011 | 4.67 | 1.64 | 900.000 | 144.7847 |
| CO-198 | 440.33 | 440.33 | MH-198 | MH-199 | 434.49 | 434.45 | 36 | 1,400.0 | 0.011 | 4.46 | 1.64 | 900.000 | 144.7847 |
| CO-199 | 440.33 | 440.10 | MH-199 | MH-200 | 434.45 | 434.40 | 45 | 1,400.0 | 0.011 | 4.39 | 1.64 | 900.000 | 144.7847 |
| CO-200 | 440.10 | 440.44 | MH-200 | MH-201 | 434.40 | 434.37 | 31 | 1,400.0 | 0.011 | 4.48 | 1.64 | 900.000 | 144.7847 |
| CO-201 | 440.44 | 440.35 | MH-201 | MH-202 | 434.37 | 434.28 | 79 | 1,400.0 | 0.011 | 4.67 | 1.64 | 900.000 | 146.4712 |
| CO-202 | 440.35 | 440.37 | MH-202 | MH-203 | 434.28 | 434.23 | 49 | 1,400.0 | 0.011 | 4.70 | 1.64 | 900.000 | 146.4712 |
| CO-203 | 440.37 | 440.27 | MH-203 | MH-204 | 434.23 | 434.12 | 102 | 1,400.0 | 0.011 | 4.75 | 1.64 | 900.000 | 146.4712 |
| CO-204 | 440.27 | 438.47 | MH-204 | MH-205 | 434.12 | 434.03 | 76 | 1,400.0 | 0.011 | 3.90 | 1.64 | 900.000 | 146.4712 |
| CO-205 | 438.47 | 438.69 | MH-205 | MH-206 | 434.03 | 433.96 | 60 | 1,400.0 | 0.011 | 3.19 | 1.64 | 900.000 | 146.4712 |
| CO-206 | 438.69 | 439.79 | MH-206 | MH-207 | 433.96 | 433.90 | 55 | 1,400.0 | 0.011 | 3.91 | 1.64 | 900.000 | 146.4712 |
| CO-207 | 439.79 | 439.36 | MH-207 | MH-208 | 433.90 | 433.84 | 59 | 1,400.0 | 0.011 | 4.31 | 1.64 | 900.000 | 146.4712 |
| CO-208 | 439.36 | 438.44 | MH-208 | MH-209 | 433.84 | 433.77 | 64 | 1,400.0 | 0.011 | 3.70 | 1.64 | 900.000 | 146.4712 |
| CO-209 | 438.44 | 439.03 | MH-209 | MH-210 | 433.77 | 433.72 | 41 | 1,400.0 | 0.011 | 3.59 | 1.64 | 900.000 | 146.4712 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-210 | 439.03 | 438.84 | MH-210 | MH-211 | 433.72 | 433.66 | 52 | 1,400.0 | 0.011 | 3.84 | 1.64 | 900.000 | 146.4712 |
| CO-211 | 438.84 | 439.27 | MH-211 | MH-212 | 433.66 | 433.57 | 85 | 1,400.0 | 0.011 | 4.04 | 1.64 | 900.000 | 146.4712 |
| CO-212 | 439.27 | 438.81 | MH-212 | MH-213 | 433.57 | 433.52 | 46 | 1,400.0 | 0.011 | 4.10 | 1.64 | 900.000 | 146.4712 |
| CO-213 | 438.81 | 439.78 | MH-213 | MH-214 | 433.52 | 433.45 | 58 | 1,400.0 | 0.011 | 4.41 | 1.64 | 900.000 | 146.4712 |
| CO-214 | 439.78 | 437.00 | MH-214 | MH-215 | 433.45 | 433.36 | 83 | 1,400.0 | 0.011 | 3.58 | 1.65 | 900.000 | 149.8440 |
| CO-215 | 437.00 | 437.55 | MH-215 | MH-216 | 433.36 | 433.28 | 70 | 1,400.0 | 0.011 | 2.55 | 1.65 | 900.000 | 149.8440 |
| CO-216 | 437.55 | 437.55 | MH-216 | MH-217 | 433.28 | 433.20 | 73 | 1,400.0 | 0.011 | 2.91 | 1.65 | 900.000 | 149.8440 |
| CO-217 | 437.55 | 438.36 | MH-217 | MH-218 | 433.20 | 433.10 | 94 | 1,400.0 | 0.011 | 3.40 | 1.65 | 900.000 | 149.8440 |
| CO-218 | 438.36 | 438.79 | MH-218 | MH-219 | 433.10 | 433.01 | 84 | 1,400.0 | 0.011 | 4.12 | 1.65 | 900.000 | 149.8440 |
| CO-219 | 438.79 | 438.73 | MH-219 | MH-220 | 433.01 | 432.91 | 82 | 1,400.0 | 0.011 | 4.40 | 1.65 | 900.000 | 149.8440 |
| CO-220 | 438.73 | 438.12 | MH-220 | MH-221 | 432.91 | 432.82 | 81 | 1,400.0 | 0.011 | 4.16 | 1.66 | 900.000 | 153.2171 |
| CO-221 | 438.12 | 437.06 | MH-221 | MH-222 | 432.82 | 432.70 | 114 | 1,400.0 | 0.011 | 3.43 | 1.66 | 900.000 | 153.2171 |
| CO-222 | 437.06 | 438.53 | MH-222 | MH-223 | 432.70 | 432.59 | 99 | 1,400.0 | 0.011 | 3.76 | 1.66 | 900.000 | 153.2171 |
| CO-223 | 438.53 | 437.56 | MH-223 | MH-224 | 432.59 | 432.50 | 79 | 1,400.0 | 0.011 | 4.10 | 1.66 | 900.000 | 153.2171 |
| CO-5761 | 437.56 | 437.88 | MH-224 | MH-5746 | 432.50 | 432.42 | 73 | 1,400.0 | 0.011 | 3.86 | 1.66 | 900.000 | 153.2171 |
| CO-5762 | 437.88 | 438.16 | MH-5746 | OF-5 | 432.42 | 432.35 | 62 | 1,400.0 | 0.011 | 4.24 | 1.66 | 900.000 | 153.2171 |

**Name of Project:- Providing Sewerage Scheme for newly developed and
Unsewered pockets in Old area of Solapur city**

DESIGN OF SUMP

AT PUMPING STATION NEAR ZONE X to XIII SPS II

| | | | |
|----|---|--------------|----------|
| 1 | Total Sewage flow received in Wet well near Pumping Station | 37.43 | Mld |
| 2 | Average flow in cum/sec | 0.433 | cum/sec |
| 3 | Add 25% for Inlet Chamber | 0.108 | cum/sec |
| 4 | Consider Peak factor | 2 | |
| 5 | Peak flow in m ³ /sec | 1.083 | cum/sec |
| 6 | Detention time | 300 | sec |
| 7 | Capacity of Wet well at 05 min. detention of peak flow | 324.913 | Cu.m |
| 8 | Assuming depth of sewage water | 2.5 | m |
| 9 | Plan area required for Wet well | 129.97 | sqm |
| 10 | Diameter of well | 12.864 | m |
| | Say | 13.00 | m |
| 11 | Capacity actually provided | 331.83 | |
| | Salient features of well : | | |
| 1 | Diameter of well | 13.00 | m |
| 2 | Depth of sewage | 2.5 | m |
| 3 | Ground level at well | 438.160 | m |
| 4 | Pump Floor Level | 438.560 | m |
| 5 | Invert level of incoming sewer R.L. | 432.35 | m |
| 6 | Free board | 0.300 | m |
| 7 | FSL in well | 432.05 | m |
| 8 | Bottom level | 429.550 | m |
| 9 | Total depth of well (Top R.L. - Bottom R.L..) | 9.0 | m |
| | Say | 9.00 | m |
| 10 | Total Gross Volume required of Sump | 1194.59 | Cum |
| 11 | 1 DWF Flow | 37.43 | Mld |
| 12 | 1DWF Flow | 433.22 | LPS |
| 13 | 3 DWF Flow | 1299.65 | LPS |
| | Detention time Required | | |
| 14 | Capacity of Sump proposed | 331831.5 | Liters |
| 15 | 3 DWF Flow | 1299.65 | LPS |
| 16 | Detention period in minutes | 4.26 | Minutes |
| 17 | 1 DWF Flow | 433.22 | |
| 18 | Detention period in minutes | 12.766 | Minutes |

Design of Sump

**Name of Project:- Providing Sewerage Scheme for newly developed and
Unsewered pockets in Old area of Solapur city**

**Name of Sub Work - Design of Pumping Machinery of Zone X TO XIII SPS at
EXISTING STP**

| | | | |
|--------------------------------------|--|--------------|---------------|
| 1 | Population 2035 | 263733 | |
| 2 | H.W. constant | 140 | |
| 3 | Pumping hours | 24 | Hours |
| 4 | GL at delivery point at Chamber | 445.960 | m RL |
| 5 | Invert level of incoming sewer | 432.350 | m RL |
| 6 | Diameter Pumping Main(ID) | 800 | mm |
| 7 | Diameter Pumping Main(ID) | 0.8 | m |
| 8 | Average flow at 2035 stage: 1 DWF | 31.12 | Mld |
| 9 | Designed flow through pumping main | 31.12 | Mld |
| 10 | Average flow at 2035 stage: 1 DWF | 360.19 | lps |
| 11 | 2 DWF | 720.37 | lps |
| 12 | 3 DWF | 1080.56 | lps |
| 13 | Rising main Length of 800 mm dia DI | 480 | m |
| Design of pumps for year 2035 | | | |
| A | Pump capacity | 1/2 | DWF |
| 1 | 1/2 | 15.56 | Mld |
| 2 | Flow | 0.180 | Cum/sec |
| 3 | Bottom level of well | 428.68 | m RL |
| 4 | Static head | 17.28 | m |
| 5 | Rate of frictional loss with C as 140 | 0.13 | m/km |
| 6 | Frictional head in rising main including 10% | 0.07 | m |
| 7 | Total head including 0.5 m residual head | 17.85 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 73.47 | HP |
| | | Say | 75.00 |
| B | Pump capacity | 1 | DWF |
| 1 | 1 DWF | 31.12 | Mld |
| 2 | Flow | 0.360 | Cum/sec |
| 3 | Bottom level of well | 428.68 | m RL |
| 4 | Static head | 17.28 | m |
| 5 | Rate of frictional loss with C as 140 | 0.46 | m/km |
| 6 | Frictional head in rising main including 10% | 0.24 | m |
| 7 | Total head including 0.5 m residual head | 18.02 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 148.38 | HP |
| | | Say | 150.00 |
| | | | HP |

**Name of Project:- Providing Sewerage Scheme for newly developed and
Unsewered pockets in Old area of Solapur city**

**Name of Sub Work - Design of Pumping Machinery of Zone X TO XIII SPS at
EXISTING STP**

| | | | |
|----------|---|---------------|------------|
| C | Pump capacity | 3 | DWF |
| 1 | 3 DWF | 93.36 | Mld |
| 2 | Flow | 1.081 | Cum/sec |
| 3 | Bottom level of well | 428.68 | m RL |
| 4 | Static head | 17.28 | m |
| 5 | Rate of frictional loss | 3.38 | m/km |
| 6 | Frictional head in rising main including 10% | 1.78 | m |
| 7 | Total head including 0.5 m residual head | 19.56 | m |
| 8 | BHP of pump with 70% efficiency and 20% margin | 483.22 | HP |
| | Say | 485.00 | HP |
| D | Hence provide Submercible pumps as mentioned below | | |
| 1 | 1 DWF | 1 | No |
| | | 75.00 | HP |
| 2 | 2 DWF | 1 | No |
| | | 150.00 | HP |
| 3 | 3DWF | 1 | No |
| | | 485.00 | HP |
| | | | 485 |

Name of Project:- Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city
Water Hammer Calculation

Name of Subwork -Pumping Main at STP Zone X to XIII

INPUT GENERAL DATA

| | | |
|---------------------------------|----------|------------------|
| Ultimate stage demand | 37.43 | MLD |
| Pumping hours | 24.00 | hrs. |
| Designed discharge | 37.43 | MLD |
| Length | 480 | m |
| Static head Say | 18.00 | m |
| Highest point at M H Chamber GL | 445.960 | |
| Lowest level on RM | 428.680 | |
| Static head | 17.28 | |
| Residual Head | 0.50 | |
| Total head m | 17.78 | |
| Bulk modulus of water | 2.07E+08 | Kg/sq.m |
| Gravitational acceleration | 9.81 | m/s ² |

INPUT PIPE DATA

PIPE MATERIAL - DI K-9

| Sr.No. | Material @ Class of pipe | Modulus of Elasticity of pipe material | Nominal Dia.(ID) | Thickness of shell | Thickness of lining | Bore Dia. (Clear) | HW constant 'C' | Dia of shell for WH |
|--------|--------------------------|--|------------------|--------------------|---------------------|-------------------|-----------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | mm | kg/sq.m | mm | mm | mm | mm | | mm |
| 1 | DI-K-9 | 1.70E+10 | 500 | 9.0 | 5 | 490 | 140 | 500 |
| 2 | DI-K-9 | 1.70E+10 | 600 | 9.9 | 6 | 588 | 140 | 600 |
| 3 | DI-K-9 | 1.70E+10 | 700 | 10.8 | 6 | 688 | 140 | 700 |
| 4 | DI-K-9 | 1.70E+10 | 800 | 11.3 | 6 | 788 | 140 | 800 |
| 5 | DI-K-9 | 1.70E+10 | 900 | 11.7 | 6 | 888 | 140 | 900 |
| 6 | DI-K-9 | 1.70E+10 | 1000 | 12.6 | 6 | 988 | 140 | 1000 |

| Sr. No. | Pipe material | Bore Diameter | Rate of friction | Velocity | Frictional Losses | Total Frictional losses including 10% other losses | Static Lift | Water hammer head, H_{max} | Cond. No. 1 | Cond. No. 2 | | | Allowable Work. Press. | Allowable Test Pressure | Status |
|---------|---------------|---------------|------------------|----------|-------------------|--|-------------|------------------------------|------------------|---------------------|-----------------|----------------------------|------------------------|-------------------------|--------------|
| | | | | | | | | | Working Pressure | Field test Pressure | 1.5 times | Maximum of Condition No. 2 | | | |
| | | mm | m/1000m | m/s | m | h_f | S_t | H_{max} | (S_t+h_f) | $(S_t+h_f+H_{max})$ | $1.5x(S_t+h_f)$ | ϵ | ϵ | ϵ | Safe/ Unsafe |
| | | | | | | m | m | m | m | m | m | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 1 | DI-K-9 | 490.00 | 7.76 | 2.297 | 3.725 | 4.10 | 18.00 | 257.72 | 22.10 | 279.82 | 33.15 | 279.82 | 420 | 510 | Safe |
| 2 | DI-K-9 | 588.00 | 3.19 | 1.595 | 1.533 | 1.69 | 18.00 | 175.78 | 19.69 | 195.47 | 29.53 | 195.47 | 400 | 480 | Safe |
| 3 | DI-K-9 | 688.00 | 1.49 | 1.165 | 0.713 | 0.78 | 18.00 | 126.54 | 18.78 | 145.33 | 28.18 | 145.33 | 380 | 460 | Safe |
| 4 | DI-K-9 | 788.00 | 0.77 | 0.888 | 0.369 | 0.41 | 18.00 | 94.56 | 18.41 | 112.96 | 27.61 | 112.96 | 360 | 430 | Safe |
| 5 | DI-K-9 | 888.00 | 0.43 | 0.699 | 0.206 | 0.23 | 18.00 | 73.01 | 18.23 | 91.24 | 27.34 | 91.24 | 340 | 410 | Safe |
| 6 | DI-K-9 | 988.00 | 0.26 | 0.565 | 0.122 | 0.13 | 18.00 | 58.53 | 18.13 | 76.67 | 27.20 | 76.67 | 330 | 390 | Safe |

Criteria for selection of pipe material

- | | |
|---------------|---|
| Condition.1 : | (Static+Frictional) Head < Working Head |
| Condition.2 : | (Static+Frictional+ H_{max}) (Static + Friction) x 1.5 Maximum of these two < Field test pressure |

**Name of Project:- Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city
Design for Economic Size of Pumping Main**

Name of Subwork -Pumping Main at STP Zone X to XIII

| | | I N P U T D A T A | | | | | PIPE MATERIAL - DI K-9 | | | |
|----|---|-------------------|-------|---------|---------------------------------|-------|------------------------|---------|-------------------|--------|
| 1 | Water Requirement: | Year | | | PIPE DATA | | | | Nominal Dia. (ID) | |
| | A. Initial | 2020 | 26.63 | MLD | Bore Dia | Rate | Material | HWC | mm | |
| | B. Intermediate | 2035 | 31.12 | MLD | mm | Rs./m | | | | |
| | C. Ultimate | 2050 | 37.43 | MLD | 490 | 4924 | | | | DI-K-9 |
| 2 | Pumping main | Length | 480 | m | 588 | 6036 | DI-K-9 | 140 | 600 | |
| | | | | | 688 | 6849 | DI-K-9 | 140 | 700 | |
| | | | | | 788 | 9063 | DI-K-9 | 140 | 800 | |
| | | | | | 888 | 11729 | DI-K-9 | 140 | 900 | |
| | | | | | 988 | 13156 | DI-K-9 | 140 | 1000 | |
| 3 | Static Head of Pump (+Resid. 0.50m) | St. Head | 17.80 | m | Highest point at M H Chamber GL | | | 445.960 | | |
| 4 | Design period | Period | 30 | years | LSL | | | 428.680 | | |
| 5 | Combined Eff. Of pump set | Eff. % | 70 | % | Static head | | | 17.28 | | |
| 6 | Cost of pumping unit | Rs./ kw | 25000 | Rs. | Residual head | | | 0.50 | | |
| 7 | Standby provision | | | | Total static head | | | 17.80 | | |
| | | 1st stage | % | 50 | % | | | | | |
| | | 2nd stage | % | 50 | % | | | | | |
| 8 | Interest rate for discounting | Interest | 8 | % | | | | | | |
| 9 | Rate of escalation in power | Escalation | 10 | % / yr. | | | | | | |
| 10 | Life of elect. Motors | P.years | 15 | | | | | | | |
| 11 | Energy charges | per kwh | 5 | Rs. | | | | | | |
| 12 | Pumping hours for discharge at the end of 1st stage | Hours | 24.00 | hrs. | | | | | | |

C A L C U L A T I O N S :

| | | 1st Stage | | | 2nd Stage | | |
|---|---|-----------|------|--|-----------|------|--|
| 1 | Discharge at installation | 26.63 | MLD | | 31.12 | MLD | |
| 2 | Discharge at the end of 1st dtage | 31.12 | MLD | | 37.43 | MLD | |
| 3 | Average Discharge | 28.88 | MLD | | 34.27 | MLD | |
| 4 | Hours of ppumping for discharge at the end of the stage | 24 | hrs. | | 24 | hrs. | |
| 5 | Average hours of pumping for average discharge | 22.27 | hrs. | | 21.98 | hrs. | |
| 6 | KW required at combined efficiency of pumping set | 5.04 | H 1 | | 6.067 | H 1 | |
| | Average annual charges for electrical energy | 40669.20 | KW 1 | | 40135.36 | KW 1 | |

**TABLE 1
VELOCITY AND HEADLOSSES FOR DIFFERENT PIPE SIZES**

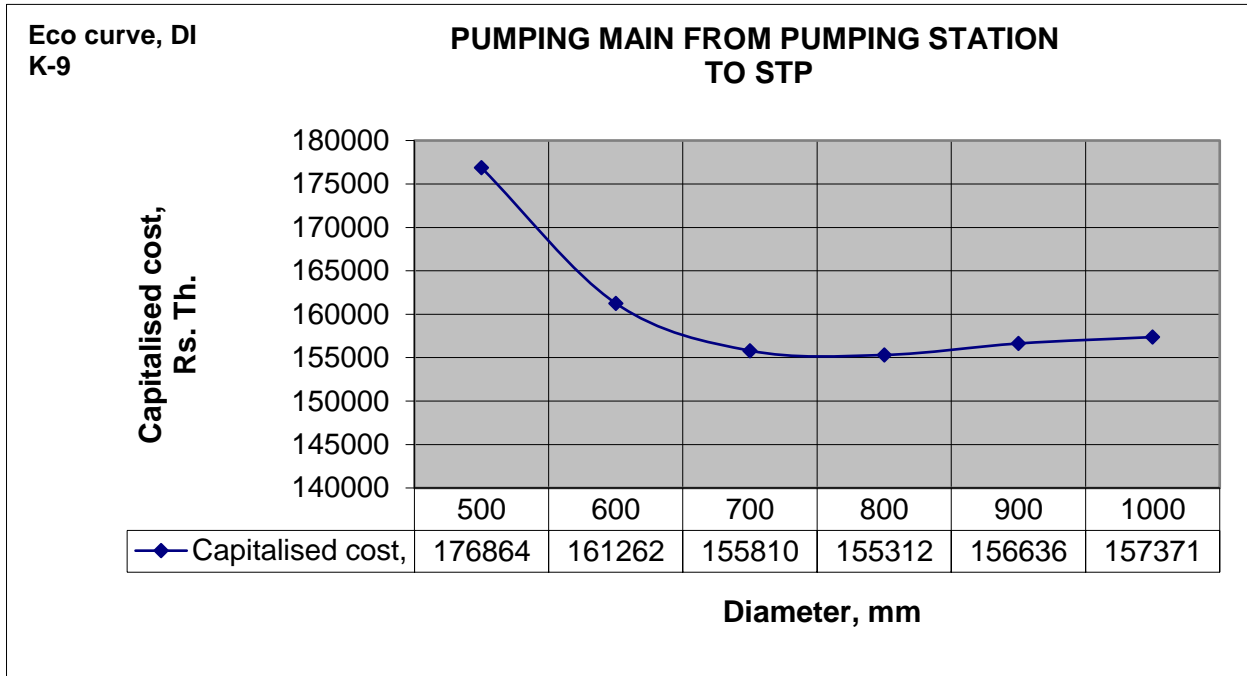
| Sr. No. | Pipe size in mm | Friction head loss per 1000 m | | Velocity in m/s | | Total head loss for | | | | | |
|---------|-----------------|-------------------------------|----------------|-----------------|-----------------|--|------------------|-------|----------------|------|-------|
| | | 1st stage flow | 2nd stage flow | 1st stage flow | 2nd stage flow | 480 m pipe length and 17.8 m static head | | | | | |
| | | | | | | 1st stage flow | | | 2nd stage flow | | |
| | | Frictional loss | Other losses * | Total losses H1 | Frictional loss | Other losses | Total losses H 2 | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 490 | 5.52 | 7.76 | 1.9101 | 2.297 | 2.65 | 0.26 | 20.71 | 3.73 | 0.37 | 21.90 |
| 2 | 588 | 2.27 | 3.19 | 1.3264 | 1.595 | 1.09 | 0.11 | 19.00 | 1.53 | 0.15 | 19.49 |
| 3 | 688 | 1.06 | 1.49 | 0.9689 | 1.165 | 0.51 | 0.05 | 18.36 | 0.71 | 0.07 | 18.58 |
| 4 | 788 | 0.55 | 0.77 | 0.7386 | 0.888 | 0.26 | 0.03 | 18.09 | 0.37 | 0.04 | 18.21 |
| 5 | 888 | 0.30 | 0.43 | 0.5816 | 0.699 | 0.15 | 0.01 | 17.96 | 0.21 | 0.02 | 18.03 |
| 6 | 988 | 0.18 | 0.26 | 0.4698 | 0.565 | 0.09 | 0.01 | 17.90 | 0.12 | 0.01 | 17.93 |

* Other losses at 10 % of frictional losses

| Sr. No. | Pipe size in m | Material | For 1st stage of flow | | | For 2nd stage of flow | | | Cost of pipe per unit length in Rs. | Cost of 480 meter pipeline in Rs. 10 ³ |
|---------|----------------|----------|-----------------------|----------------------------|-----------------------|-----------------------|----------------------------|-----------------------|-------------------------------------|---|
| | | | H1 Total Head in m | Kw required plus % standby | Pump cost @ Rs. 25000 | H 2 Total Head in m | Kw required plus % standby | Pump cost @ Rs. 25000 | | |
| | | | | | per Kw | | | per Kw | | |
| | | | | | Rs. 10 ³ | | | Rs. 10 ³ | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | 490 | DI-K-9 | 20.71 | 156.73 | 3918 | 21.90 | 165.71 | 4143 | 4923.95 | 2363.5 |
| 2 | 588 | DI-K-9 | 19.00 | 143.76 | 3594 | 19.49 | 147.46 | 3686 | 6036.3 | 2897.42 |
| 3 | 688 | DI-K-9 | 18.36 | 138.91 | 3473 | 18.58 | 140.63 | 3516 | 6849.15 | 3287.59 |
| 4 | 788 | DI-K-9 | 18.09 | 136.87 | 3422 | 18.21 | 137.76 | 3444 | 9062.9 | 4350.19 |
| 5 | 888 | DI-K-9 | 17.96 | 135.91 | 3398 | 18.03 | 136.41 | 3410 | 11729.3 | 5630.06 |
| 6 | 988 | DI-K-9 | 17.90 | 135.42 | 3385 | 17.93 | 135.71 | 3393 | 13155.75 | 6314.76 |

| Sr. No. | Pipe size in mm | For 1st stage of flow | | | | For 2nd stage of flow | | | | Grand Total Cost capitalised | Pipe size in mm |
|---------|-----------------|-----------------------|-----------------------|----------------------------|------------------------|-----------------------|-----------------------|-----------------------------|------------------------|------------------------------|-----------------|
| | | Cost of pump-sets | Annual Energy charges | Capitalised energy charges | Capitalised total cost | Cost of pump sets | Annual energy charges | Capitalised energy chareges | Capitalised total cost | | |
| | | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | Rs. 10 ³ | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | 490 | 3918 | 4577 | 79,753 | 86035 | 4143 | 4839 | 84,323 | 90829 | 176864 | 500 |
| 2 | 588 | 3594 | 4198 | 73,153 | 79644 | 3686 | 4306 | 75,033 | 81617 | 161262 | 600 |
| 3 | 688 | 3473 | 4056 | 70,686 | 77446 | 3516 | 4106 | 71,561 | 78364 | 155810 | 700 |
| 4 | 788 | 3422 | 3997 | 69,647 | 77419 | 3444 | 4023 | 70,099 | 77893 | 155312 | 800 |
| 5 | 888 | 3398 | 3969 | 69,158 | 78186 | 3410 | 3983 | 69,410 | 78451 | 156636 | 900 |
| 6 | 988 | 3385 | 3954 | 68,907 | 78607 | 3393 | 3963 | 69,057 | 78764 | 157371 | 1000 |

| | | | | | | |
|--------------------------------------|--|--|-----------|--------|-----|-----------|
| Note: | | | ID | | | OD |
| The economic dia. of the pipe is | | | 788 | mm | say | 800 |
| Coresponding capitalised cost is Rs. | | | | 155312 | | |



SOLAPUR CITY UNDERGROUND SEWERAGE SCHEME (AMRUT)**Zone I**

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|-----------|--------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| | | | | | | | | | 1.57 | 5.85 | | 1.23 | 1.44 |
| 300 | 2035 | 1.19 | 5.34 | 200 | 150 | 1.23 | 1.44 | Upto 2.0 | 95.0 | 4.67 | 0 to 0.45 | 0.0 | 0.00 |
| | | | | | | | | 2.01 to 4.0 | 1374.0 | 67.52 | 0.46 to 0.6 | 0.0 | 0.00 |
| | | | | | | | | 4.01 to 5.85 | 566.0 | 27.81 | 0.6 to 0.8 | 0 | 0 |
| | | | | | | | | | | | Above 0.8 | 2035 | 100 |
| | | | | | | | | Total | 2035.0 | 100.00 | Total | 2035.0 | 100.00 |

Zone II

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 200 | 30 | 2.89 | 2.89 | 200 | 200 | 0.95 | 0.95 | | 1.25 | 6.61 | | 0.65 | 2.28 |
| 250 | 271 | 2.16 | 2.90 | 300 | 300 | 0.94 | 0.94 | | | | | | |
| 300 | 2284 | 0.80 | 4.18 | 300 | 90 | 0.66 | 1.73 | Upto 2.0 | 1973.0 | 28.68 | 0 to 0.45 | 0.0 | 0.00 |
| 350 | 774 | 0.99 | 2.70 | 300 | 90 | 0.65 | 1.78 | 2.01 to 4.0 | 2754.0 | 40.03 | 0.46 to 0.6 | 0.0 | 0.00 |
| 400 | 90 | 1.05 | 1.31 | 300 | 200 | 1.24 | 1.46 | 4.01 to 6.0 | 2064.0 | 30.00 | 0.6 to 0.8 | 1006 | 14.6221 |
| 450 | 31 | 3.71 | 3.71 | 300 | 300 | 1.38 | 1.38 | Above 6.0 | 89.0 | 1.29 | Above 0.8 | 5874 | 85.3779 |
| 500 | 337 | 1.09 | 3.35 | 300 | 90 | 1.40 | 2.28 | Total | 6880.0 | 100.00 | Total | 6880.0 | 100.00 |
| 600 | 819 | 0.80 | 3.85 | 496 | 113 | 1.27 | 2.11 | | | | | | |
| 800 | 863 | 2.03 | 5.19 | 300 | 200 | 1.59 | 2.06 | | | | | | |
| 900 | 1381 | 1.58 | 5.55 | 300 | 300 | 1.80 | 1.93 | | | | | | |
| Total | 6880 | | | | | | | | | | | | |

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|-----------|--------|-------|-----|-------|-----|----------|-----|-----------|------------|----------|----------------|------------|----------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |

Zone III

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 250 | 265 | 1.32 | 4.36 | 350 | 200 | 0.83 | 1.12 | | Min | Max | | Min | Max |
| 300 | 863 | 0.99 | 4.43 | 350 | 31 | 0.91 | 2.24 | | 1.4 | 6.74 | | 0.83 | 2.24 |
| 350 | 885 | 1.16 | 4.59 | 350 | 200 | 0.93 | 1.29 | Upto 2.0 | 323.0 | 9.45 | | | |
| 400 | 631 | 1.23 | 4.97 | 350 | 350 | 0.97 | 1.04 | 2.01 to 4.0 | 1820.0 | 53.26 | 0.6 to 0.8 | 0 | 0 |
| 450 | 25 | 4.96 | 4.96 | 350 | 350 | 1.17 | 1.17 | 4.01 to 6.0 | 1248.0 | 36.52 | Above 0.8 | 3417 | 100 |
| 500 | 534 | 3.02 | 4.87 | 350 | 350 | 1.17 | 1.26 | Above 6.0 | 26.0 | 0.76 | | 3417.0 | 100.00 |
| 600 | 214 | 4.39 | 6.01 | 350 | 350 | 1.33 | 1.34 | | | | | | |
| Total | 3417 | | | | | | | Total | 3417.0 | 100.00 | Total | 3417.0 | 100.00 |

Zone IV

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|------------|-------|------|-------|-----|----------|------|--------------|--------------|---------------|----------------|--------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 300 | 478 | 3.04 | 4.33 | 250 | 200 | 1.08 | 1.15 | | Min | Max | | Min | Max |
| Total | 478 | | | | | | | | 3.45 | 4.73 | | 1.08 | 1.15 |
| | | | | | | | | Upto 2.0 | 0.0 | 0.00 | 0.6 to 0.8 | 0 | 0 |
| | | | | | | | | 2.01 to 4.0 | 201.0 | 42.05 | Above 0.8 | 478 | 100 |
| | | | | | | | | 4.01 to 4.73 | 277.0 | 57.95 | | | |
| Total | | | | | | | | Total | 478.0 | 100.00 | Total | 478.0 | 100.00 |

Zone VI

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|--------------|-------------|-------|------|-------|-----|----------|------|--------------|---------------|---------------|----------------|---------------|---------------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |
| 250 | 314 | 1 | 4.01 | 300 | 80 | 0.99 | 1.51 | | Min | Max | | Min | Max |
| 300 | 116 | 3.96 | 3.97 | 300 | 300 | 1.04 | 1.04 | | 1.4 | 9.14 | | 0.96 | 1.78 |
| 350 | 826 | 1.1 | 8.65 | 300 | 300 | 0.96 | 1.05 | Upto 2.0 | 560.0 | 24.24 | | | |
| 400 | 394 | 0.95 | 1.82 | 300 | 80 | 0.96 | 1.75 | 2.01 to 4.0 | 668.0 | 28.92 | 0.6 to 0.8 | 0 | 0 |
| 450 | 660 | 1.08 | 4.22 | 300 | 80 | 1.06 | 1.78 | 4.01 to 6.0 | 964.0 | 41.73 | Above 0.8 | 2310 | 100 |
| Total | 2310 | | | | | | | Above 6.0 | 118.0 | 5.11 | | | |
| Total | | | | | | | | Total | 2310.0 | 100.00 | Total | 2310.0 | 100.00 |

| Dia in mm | Length | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity (m/s) | Length (m) | % Length |
|-----------|--------|-------|-----|-------|-----|----------|-----|-----------|------------|----------|----------------|------------|----------|
| | | Min | Max | Min | Max | Min | Max | | | | | | |

Zone I,III,IV,VI - TOTAL- Modified Design

| | | | | | | | | Min | Max | | | Min | Max |
|--------------|--------------|-------|------|-------|-----|----------|------|--------------|--------------|------------|--------------|--------------|---------------|
| Dia in mm | | Cover | | Slope | | Velocity | | Depth (m) | Length (m) | % Length | Velocity | Length | % Length |
| 200 | 30 | 2.89 | 2.89 | 200 | 200 | 0.95 | 0.95 | Upto 2.0 | 2951 | 19.52 | | | |
| 250 | 850 | 1 | 4.36 | 350 | 80 | 0.83 | 1.51 | 2.01 to 4.0 | 6817 | 45.09 | | | |
| 300 | 5776 | 0.8 | 5.34 | 350 | 31 | 0.91 | 2.24 | 4.01 to 6.0 | 5119 | 33.86 | | | |
| 350 | 2485 | 0.99 | 8.65 | 350 | 90 | 0.65 | 1.78 | Above 6.0 | 233 | 1.54 | 0.6 to 0.8 | 1006 | 6.65 |
| 400 | 1115 | 0.95 | 4.97 | 350 | 80 | 0.96 | 1.75 | Total | 15120 | 100 | Above 0.8 | 14114 | 93.35 |
| 450 | 716 | 1.08 | 4.96 | 350 | 80 | 1.06 | 1.78 | | | | Total | 15120 | 100.00 |
| 500 | 871 | 1.09 | 4.87 | 350 | 90 | 1.17 | 2.28 | | | | | | |
| 600 | 1033 | 0.8 | 6.01 | 496 | 113 | 1.27 | 2.11 | | | | | | |
| 800 | 863 | 2.03 | 5.19 | 300 | 200 | 1.59 | 2.06 | | | | | | |
| 900 | 1381 | 1.58 | 5.55 | 300 | 300 | 1.8 | 1.93 | | | | | | |
| Total | 15120 | | | | | | | | | | | | |

Hydraulic Model Inventory: Zone I.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed area of Solapur city Zone I |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|----|------------------------------------|---|
| Conduits | 68 | Taps | 0 |
| -Circle | 68 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 68 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|--------------|---------|
| Circle - 300.0 mm | 2,038 m | Total Length | 2,038 m |
|-------------------|---------|--------------|---------|

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-2267 | 469.28 | 469.24 | MH-2269 | MH-2270 | 467.00 | 466.84 | 32 | 300.0 | 0.011 | 2.04 | 1.23 | 200.000 | 4.85 |
| CO-2268 | 469.24 | 469.21 | MH-2270 | MH-2271 | 466.81 | 466.61 | 31 | 300.0 | 0.011 | 2.22 | 1.38 | 150.000 | 4.85 |
| CO-2269 | 469.21 | 469.17 | MH-2271 | MH-2272 | 466.58 | 466.40 | 26 | 300.0 | 0.011 | 2.40 | 1.38 | 150.000 | 4.85 |
| CO-2270 | 469.17 | 469.14 | MH-2272 | MH-2273 | 466.37 | 466.16 | 31 | 300.0 | 0.011 | 2.59 | 1.38 | 150.000 | 4.85 |
| CO-2271 | 469.14 | 469.10 | MH-2273 | MH-2274 | 466.13 | 465.93 | 31 | 300.0 | 0.011 | 2.79 | 1.38 | 150.000 | 4.85 |
| CO-2272 | 469.10 | 469.06 | MH-2274 | MH-2275 | 465.90 | 465.71 | 29 | 300.0 | 0.011 | 2.98 | 1.38 | 150.000 | 4.85 |
| CO-2273 | 469.06 | 469.03 | MH-2275 | MH-2276 | 465.68 | 465.47 | 30 | 300.0 | 0.011 | 3.17 | 1.38 | 150.000 | 4.85 |
| CO-2274 | 469.03 | 469.98 | MH-2276 | MH-2277 | 465.44 | 465.25 | 30 | 300.0 | 0.011 | 3.86 | 1.38 | 150.000 | 4.85 |
| CO-2275 | 469.98 | 469.88 | MH-2277 | MH-2278 | 465.22 | 465.01 | 31 | 300.0 | 0.011 | 4.52 | 1.38 | 150.000 | 4.85 |
| CO-2277 | 469.68 | 469.88 | MH-2280 | MH-2278 | 464.79 | 464.98 | 28 | 300.0 | 0.011 | 4.60 | 1.39 | 150.000 | 5.00 |
| CO-2276 | 469.78 | 469.68 | MH-2279 | MH-2280 | 464.57 | 464.76 | 29 | 300.0 | 0.011 | 4.77 | 1.39 | 150.000 | 5.00 |
| CO-2511 | 469.78 | 469.48 | MH-2279 | MH-2356 | 464.54 | 464.34 | 29 | 300.0 | 0.011 | 4.89 | 1.39 | 150.000 | 5.00 |
| CO-2351 | 469.48 | 469.38 | MH-2356 | MH-2357 | 464.31 | 464.11 | 30 | 300.0 | 0.011 | 4.92 | 1.39 | 150.000 | 5.00 |
| CO-2352 | 469.38 | 469.58 | MH-2357 | MH-2355 | 464.08 | 463.91 | 25 | 300.0 | 0.011 | 5.18 | 1.39 | 150.000 | 5.00 |
| CO-2353 | 469.58 | 469.28 | MH-2355 | MH-2358 | 463.88 | 463.70 | 28 | 300.0 | 0.011 | 5.34 | 1.39 | 150.000 | 5.00 |
| CO-2354 | 469.28 | 468.56 | MH-2358 | MH-2359 | 463.67 | 463.46 | 31 | 300.0 | 0.011 | 5.06 | 1.39 | 150.000 | 5.00 |
| CO-2355 | 468.56 | 467.84 | MH-2359 | MH-2360 | 463.43 | 463.23 | 30 | 300.0 | 0.011 | 4.57 | 1.39 | 150.000 | 5.00 |
| CO-2356 | 467.84 | 467.13 | MH-2360 | MH-2361 | 463.20 | 463.00 | 29 | 300.0 | 0.011 | 4.09 | 1.39 | 150.000 | 5.00 |
| CO-2357 | 467.13 | 466.41 | MH-2361 | MH-2362 | 462.97 | 462.77 | 30 | 300.0 | 0.011 | 3.60 | 1.39 | 150.000 | 5.00 |
| CO-2358 | 466.41 | 465.69 | MH-2362 | MH-2290 | 462.74 | 462.54 | 31 | 300.0 | 0.011 | 3.11 | 1.39 | 150.000 | 5.00 |
| CO-2287 | 465.69 | 464.98 | MH-2290 | MH-2291 | 462.51 | 462.32 | 27 | 300.0 | 0.011 | 2.62 | 1.39 | 150.000 | 5.00 |
| CO-2288 | 464.98 | 464.26 | MH-2291 | MH-2292 | 462.29 | 462.09 | 30 | 300.0 | 0.011 | 2.12 | 1.39 | 150.000 | 5.00 |
| CO-2289 | 464.26 | 463.22 | MH-2292 | MH-2293 | 462.06 | 461.83 | 34 | 300.0 | 0.011 | 1.49 | 1.39 | 150.000 | 5.00 |
| CO-2290 | 463.22 | 463.13 | MH-2293 | MH-2294 | 461.80 | 461.57 | 35 | 300.0 | 0.011 | 1.19 | 1.39 | 150.000 | 5.00 |
| CO-2291 | 463.13 | 463.03 | MH-2294 | MH-2295 | 461.54 | 461.34 | 30 | 300.0 | 0.011 | 1.34 | 1.39 | 150.000 | 5.00 |
| CO-2292 | 463.03 | 462.94 | MH-2295 | MH-2296 | 461.31 | 461.11 | 30 | 300.0 | 0.011 | 1.48 | 1.39 | 150.000 | 5.00 |
| CO-2293 | 462.94 | 462.94 | MH-2296 | MH-2297 | 461.08 | 460.88 | 29 | 300.0 | 0.011 | 1.66 | 1.39 | 150.000 | 5.00 |
| CO-2294 | 462.94 | 462.71 | MH-2297 | MH-2298 | 460.85 | 460.66 | 29 | 300.0 | 0.011 | 1.77 | 1.39 | 150.000 | 5.00 |
| CO-2295 | 462.71 | 462.48 | MH-2298 | MH-2299 | 460.63 | 460.42 | 31 | 300.0 | 0.011 | 1.77 | 1.39 | 150.000 | 5.00 |
| CO-2296 | 462.48 | 462.25 | MH-2299 | MH-2300 | 460.39 | 460.19 | 30 | 300.0 | 0.011 | 1.77 | 1.39 | 150.000 | 5.00 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-2297 | 462.25 | 462.01 | MH-2300 | MH-2301 | 460.16 | 459.97 | 28 | 300.0 | 0.011 | 1.76 | 1.39 | 150.000 | 5.00 |
| CO-2298 | 462.01 | 461.78 | MH-2301 | MH-2302 | 459.94 | 459.72 | 33 | 300.0 | 0.011 | 1.77 | 1.39 | 150.000 | 5.00 |
| CO-2299 | 461.78 | 461.55 | MH-2302 | MH-2303 | 459.69 | 459.54 | 23 | 300.0 | 0.011 | 1.75 | 1.39 | 150.000 | 5.00 |
| CO-2311 | 461.55 | 461.37 | MH-2303 | MH-2315 | 459.51 | 459.31 | 30 | 300.0 | 0.011 | 1.75 | 1.40 | 150.000 | 5.15 |
| CO-2312 | 461.37 | 461.19 | MH-2315 | MH-2316 | 459.28 | 459.07 | 31 | 300.0 | 0.011 | 1.81 | 1.40 | 150.000 | 5.15 |
| CO-2313 | 461.19 | 461.02 | MH-2316 | MH-2317 | 459.04 | 458.85 | 29 | 300.0 | 0.011 | 1.86 | 1.40 | 150.000 | 5.15 |
| CO-2314 | 461.02 | 460.95 | MH-2317 | MH-2318 | 458.82 | 458.67 | 22 | 300.0 | 0.011 | 1.94 | 1.40 | 150.000 | 5.15 |
| CO-2315 | 460.95 | 460.84 | MH-2318 | MH-2319 | 458.64 | 458.51 | 20 | 300.0 | 0.011 | 2.02 | 1.40 | 150.000 | 5.15 |
| CO-2338 | 460.84 | 460.66 | MH-2319 | MH-2342 | 458.48 | 458.29 | 28 | 300.0 | 0.011 | 2.06 | 1.41 | 150.000 | 5.25 |
| CO-2339 | 460.66 | 460.48 | MH-2342 | MH-2343 | 458.26 | 458.05 | 31 | 300.0 | 0.011 | 2.11 | 1.41 | 150.000 | 5.25 |
| CO-2340 | 460.48 | 460.30 | MH-2343 | MH-2344 | 458.02 | 457.83 | 29 | 300.0 | 0.011 | 2.16 | 1.41 | 150.000 | 5.25 |
| CO-2341 | 460.30 | 460.13 | MH-2344 | MH-2345 | 457.80 | 457.60 | 30 | 300.0 | 0.011 | 2.21 | 1.41 | 150.000 | 5.25 |
| CO-2342 | 460.13 | 459.95 | MH-2345 | MH-2346 | 457.57 | 457.37 | 31 | 300.0 | 0.011 | 2.27 | 1.41 | 150.000 | 5.25 |
| CO-2343 | 459.95 | 459.77 | MH-2346 | MH-2347 | 457.34 | 457.14 | 31 | 300.0 | 0.011 | 2.32 | 1.41 | 150.000 | 5.25 |
| CO-2344 | 459.77 | 459.60 | MH-2347 | MH-2348 | 457.11 | 456.85 | 39 | 300.0 | 0.011 | 2.41 | 1.41 | 150.000 | 5.25 |
| CO-2396 | 459.60 | 459.43 | MH-2348 | MH-2400 | 456.82 | 456.68 | 20 | 300.0 | 0.011 | 2.47 | 1.42 | 150.000 | 5.42 |
| CO-2397 | 459.43 | 459.25 | MH-2400 | MH-2401 | 456.65 | 456.45 | 31 | 300.0 | 0.011 | 2.49 | 1.42 | 150.000 | 5.42 |
| CO-2398 | 459.25 | 458.88 | MH-2401 | MH-2144 | 456.42 | 456.18 | 35 | 300.0 | 0.011 | 2.46 | 1.42 | 150.000 | 5.42 |
| CO-2447 | 458.88 | 458.70 | MH-2144 | MH-2452 | 456.15 | 455.93 | 34 | 300.0 | 0.011 | 2.45 | 1.44 | 150.000 | 5.96 |
| CO-2448 | 458.70 | 458.53 | MH-2452 | MH-2453 | 455.90 | 455.70 | 29 | 300.0 | 0.011 | 2.52 | 1.44 | 150.000 | 5.96 |
| CO-2449 | 458.53 | 458.35 | MH-2453 | MH-2454 | 455.67 | 455.48 | 29 | 300.0 | 0.011 | 2.56 | 1.44 | 150.000 | 5.96 |
| CO-2450 | 458.35 | 458.17 | MH-2454 | MH-2455 | 455.45 | 455.24 | 32 | 300.0 | 0.011 | 2.61 | 1.44 | 150.000 | 5.96 |
| CO-2451 | 458.17 | 458.07 | MH-2455 | MH-2456 | 455.21 | 455.00 | 31 | 300.0 | 0.011 | 2.71 | 1.44 | 150.000 | 5.96 |
| CO-2452 | 458.07 | 457.97 | MH-2456 | MH-2457 | 454.97 | 454.79 | 28 | 300.0 | 0.011 | 2.84 | 1.44 | 150.000 | 5.96 |
| CO-2453 | 457.97 | 457.87 | MH-2457 | MH-2458 | 454.76 | 454.57 | 29 | 300.0 | 0.011 | 2.96 | 1.44 | 150.000 | 5.96 |
| CO-2454 | 457.87 | 457.73 | MH-2458 | MH-2459 | 454.54 | 454.34 | 30 | 300.0 | 0.011 | 3.06 | 1.44 | 150.000 | 5.96 |
| CO-2455 | 457.73 | 457.59 | MH-2459 | MH-2460 | 454.31 | 454.09 | 32 | 300.0 | 0.011 | 3.16 | 1.44 | 150.000 | 5.96 |
| CO-2456 | 457.59 | 457.45 | MH-2460 | MH-2461 | 454.06 | 453.87 | 28 | 300.0 | 0.011 | 3.25 | 1.44 | 150.000 | 5.96 |
| CO-2460 | 457.45 | 457.31 | MH-2461 | MH-2268 | 453.84 | 453.57 | 40 | 300.0 | 0.011 | 3.37 | 1.44 | 150.000 | 5.96 |
| CO-2502 | 457.31 | 457.17 | MH-2268 | MH-2504 | 453.54 | 453.34 | 30 | 300.0 | 0.011 | 3.50 | 1.43 | 150.000 | 5.59 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-2503 | 457.17 | 457.03 | MH-2504 | MH-2505 | 453.31 | 453.11 | 30 | 300.0 | 0.011 | 3.59 | 1.43 | 150.000 | 5.59 |
| CO-2504 | 457.03 | 456.89 | MH-2505 | MH-2506 | 453.08 | 452.87 | 31 | 300.0 | 0.011 | 3.68 | 1.43 | 150.000 | 5.59 |
| CO-2505 | 456.89 | 456.75 | MH-2506 | MH-2507 | 452.84 | 452.64 | 30 | 300.0 | 0.011 | 3.78 | 1.43 | 150.000 | 5.59 |
| CO-2506 | 456.75 | 456.61 | MH-2507 | MH-2508 | 452.61 | 452.40 | 31 | 300.0 | 0.011 | 3.87 | 1.43 | 150.000 | 5.59 |
| CO-2507 | 456.61 | 456.47 | MH-2508 | MH-2509 | 452.37 | 452.17 | 31 | 300.0 | 0.011 | 3.97 | 1.43 | 150.000 | 5.59 |
| CO-2508 | 456.47 | 456.33 | MH-2509 | MH-2510 | 452.14 | 451.93 | 31 | 300.0 | 0.011 | 4.06 | 1.43 | 150.000 | 5.59 |
| CO-2509 | 456.33 | 456.19 | MH-2510 | MH-2511 | 451.90 | 451.70 | 31 | 300.0 | 0.011 | 4.16 | 1.43 | 150.000 | 5.59 |
| CO-2510 | 456.19 | 456.05 | MH-2511 | OF-3 | 451.67 | 451.46 | 31 | 300.0 | 0.011 | 4.26 | 1.43 | 150.000 | 5.59 |

Hydraulic Model Inventory: ZONE II August 2019.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city Zone II |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|--|
| ID | 27573 |
| Label | Property Inference Scenario - 2 |
| Notes | |
| Active Topology | <I> Base Active Topology |
| User Data Extensions | <I> Base User Data Extensions |
| Physical | Physical Alternative - 1 - Property Inference Scenario - 2 |
| Boundary Condition | <I> Base Boundary Condition |
| Initial Settings | <I> Base Initial Settings |
| Hydrology | <I> Base Hydrology |
| Output | <I> Base Output |
| Infiltration and Inflow | <I> Base Infiltration and Inflow |
| Rainfall Runoff | <I> Base Rainfall Runoff |
| Water Quality | <I> Base Water Quality |
| Sanitary Loading | <I> Base |
| Headloss | <I> Base Headloss |
| Operational | <I> Base Operational |
| Design | <I> Base |
| System Flows | <I> Base System Flows |
| SCADA | <I> Base SCADA |
| Energy Cost | <I> Base Energy Cost |
| Solver Calculation Options | <I> Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 254 | Taps | 0 |
| -Circle | 254 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 254 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|---------|-------------------|-------|
| Circle - 200.0 mm | 30 m | Circle - 500.0 mm | 336 m |
| Circle - 250.0 mm | 270 m | Circle - 600.0 mm | 818 m |
| Circle - 300.0 mm | 2,285 m | Circle - 800.0 mm | 862 m |

Hydraulic Model Inventory: ZONE II August 2019.stsw

| Circle Inventory | | | |
|-------------------|-------|-------------------|---------|
| Circle - 350.0 mm | 774 m | Circle - 900.0 mm | 1,379 m |
| Circle - 400.0 mm | 90 m | Total Length | 6,875 m |
| Circle - 450.0 mm | 30 m | | |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-12160 | 463.38 | 463.41 | MH-12173 | MH-12174 | 461.80 | 461.71 | 18 | 300.0 | 0.011 | 1.34 | 0.76 | 200.000 | 0.8102 |
| CO-12161 | 463.41 | 463.75 | MH-12174 | MH-12175 | 461.71 | 461.61 | 30 | 300.0 | 0.011 | 1.62 | 0.66 | 300.000 | 0.8105 |
| CO-12164 | 463.75 | 464.50 | MH-12175 | MH-12176 | 461.61 | 461.51 | 30 | 300.0 | 0.011 | 2.27 | 0.66 | 300.000 | 0.8108 |
| CO-12163 | 464.50 | 464.34 | MH-12176 | MH-12098 | 460.00 | 459.89 | 22 | 300.0 | 0.011 | 4.18 | 0.76 | 200.000 | 0.8110 |
| CO-12092 | 464.34 | 463.71 | MH-12098 | MH-12099 | 459.89 | 459.80 | 27 | 300.0 | 0.011 | 3.88 | 0.66 | 300.000 | 0.8112 |
| CO-12093 | 463.71 | 463.12 | MH-12099 | MH-12100 | 459.80 | 459.70 | 30 | 300.0 | 0.011 | 3.37 | 0.66 | 300.000 | 0.8115 |
| CO-12094 | 463.12 | 462.28 | MH-12100 | MH-12103 | 459.70 | 459.60 | 28 | 350.0 | 0.011 | 2.70 | 0.65 | 300.000 | 0.8118 |
| CO-12095 | 462.28 | 461.65 | MH-12103 | MH-12101 | 459.60 | 459.51 | 26 | 350.0 | 0.011 | 2.05 | 0.65 | 300.000 | 0.8120 |
| CO-12096 | 461.65 | 460.95 | MH-12101 | MH-12104 | 459.51 | 459.41 | 32 | 350.0 | 0.011 | 1.49 | 0.65 | 300.000 | 0.8122 |
| CO-12097 | 460.95 | 458.32 | MH-12104 | MH-12102 | 457.59 | 457.22 | 33 | 350.0 | 0.011 | 1.88 | 0.99 | 90.000 | 0.8125 |
| CO-12229 | 458.32 | 458.28 | MH-12102 | MH-12097 | 455.70 | 455.65 | 9 | 350.0 | 0.011 | 2.27 | 0.75 | 200.000 | 0.8128 |
| CO-6445 | 458.28 | 457.94 | MH-12097 | MH-5238 | 455.65 | 455.58 | 21 | 350.0 | 0.011 | 2.14 | 0.65 | 300.000 | 0.8130 |
| CO-6446 | 457.94 | 458.00 | MH-5238 | MH-12240 | 455.58 | 455.48 | 30 | 350.0 | 0.011 | 2.08 | 0.65 | 300.000 | 0.8130 |
| CO-12225 | 458.00 | 457.84 | MH-12240 | MH-12241 | 455.48 | 455.39 | 29 | 350.0 | 0.011 | 2.13 | 0.65 | 300.000 | 0.8133 |
| CO-12226 | 457.84 | 457.72 | MH-12241 | MH-12237 | 455.39 | 455.29 | 30 | 350.0 | 0.011 | 2.09 | 0.65 | 300.000 | 0.8135 |
| CO-12221 | 457.72 | 457.53 | MH-12237 | MH-12238 | 455.29 | 455.19 | 30 | 350.0 | 0.011 | 2.04 | 0.65 | 300.000 | 0.8137 |
| CO-12222 | 457.53 | 456.22 | MH-12238 | MH-12239 | 455.19 | 455.09 | 30 | 350.0 | 0.011 | 1.39 | 0.65 | 300.000 | 0.8140 |
| CO-12223 | 456.22 | 457.42 | MH-12239 | MH-12201 | 455.09 | 454.99 | 29 | 350.0 | 0.011 | 1.43 | 0.65 | 300.000 | 0.8143 |
| CO-12188 | 457.42 | 457.41 | MH-12201 | MH-12202 | 454.99 | 454.89 | 30 | 350.0 | 0.011 | 2.12 | 0.65 | 300.000 | 0.8145 |
| CO-12189 | 457.41 | 457.30 | MH-12202 | MH-12203 | 454.89 | 454.82 | 22 | 350.0 | 0.011 | 2.15 | 0.65 | 300.000 | 0.8147 |
| CO-12190 | 457.30 | 457.24 | MH-12203 | MH-12046 | 454.82 | 454.76 | 16 | 350.0 | 0.011 | 2.13 | 0.65 | 300.000 | 0.8150 |
| CO-11766 | 471.05 | 471.30 | MH-11039 | MH-11771 | 469.50 | 469.35 | 30 | 300.0 | 0.011 | 1.45 | 0.76 | 200.000 | 0.8102 |
| CO-11767 | 471.30 | 470.94 | MH-11771 | MH-11772 | 469.35 | 469.25 | 30 | 300.0 | 0.011 | 1.52 | 0.66 | 300.000 | 0.8105 |
| CO-11768 | 470.94 | 470.57 | MH-11772 | MH-11773 | 469.25 | 469.15 | 30 | 300.0 | 0.011 | 1.26 | 0.66 | 300.000 | 0.8108 |
| CO-11769 | 470.57 | 470.03 | MH-11773 | MH-11774 | 469.15 | 468.93 | 30 | 300.0 | 0.011 | 0.96 | 0.88 | 136.096 | 0.8110 |
| CO-11770 | 470.03 | 469.78 | MH-11774 | MH-11775 | 468.93 | 468.68 | 30 | 300.0 | 0.011 | 0.80 | 0.91 | 122.203 | 0.8112 |
| CO-11771 | 469.78 | 469.53 | MH-11775 | MH-11776 | 468.68 | 468.43 | 30 | 300.0 | 0.011 | 0.80 | 0.92 | 118.607 | 0.8115 |
| CO-11772 | 469.53 | 469.40 | MH-11776 | MH-11033 | 468.43 | 468.30 | 15 | 300.0 | 0.011 | 0.80 | 0.92 | 118.607 | 0.8118 |
| CO-11031 | 469.40 | 469.09 | MH-11033 | MH-11034 | 468.30 | 467.99 | 37 | 300.0 | 0.011 | 0.80 | 0.92 | 118.607 | 0.8120 |
| CO-11032 | 469.09 | 468.75 | MH-11034 | MH-11035 | 467.99 | 467.65 | 40 | 300.0 | 0.011 | 0.80 | 0.92 | 118.607 | 0.8122 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| Co-10458 | 484.61 | 484.40 | MH-10088 | MH-10007 | 483.44 | 483.25 | 17 | 300.0 | 0.011 | 0.86 | 1.34 | 90.000 | 2.1127 |
| Co-10026 | 484.40 | 484.35 | MH-10007 | MH-10028 | 483.15 | 483.09 | 19 | 300.0 | 0.011 | 0.96 | 0.92 | 300.000 | 2.6832 |
| Co-10027 | 484.35 | 483.80 | MH-10028 | MH-10008 | 482.83 | 482.55 | 25 | 300.0 | 0.011 | 1.09 | 1.43 | 90.000 | 2.6835 |
| Co-10004 | 483.80 | 483.50 | MH-10008 | MH-10009 | 482.55 | 482.25 | 42 | 300.0 | 0.011 | 0.95 | 1.24 | 140.208 | 2.8522 |
| Co-10005 | 483.50 | 483.40 | MH-10009 | MH-10010 | 482.25 | 482.15 | 13 | 300.0 | 0.011 | 0.95 | 1.31 | 124.968 | 3.0339 |
| Co-10028 | 483.40 | 482.95 | MH-10010 | MH-10029 | 482.04 | 481.70 | 31 | 300.0 | 0.011 | 1.00 | 1.48 | 90.000 | 3.0341 |
| Co-10029 | 482.95 | 482.66 | MH-10029 | MH-10030 | 481.60 | 481.41 | 18 | 300.0 | 0.011 | 1.00 | 1.48 | 90.000 | 3.0344 |
| Co-10030 | 482.66 | 482.40 | MH-10030 | MH-10031 | 481.33 | 481.15 | 16 | 300.0 | 0.011 | 0.99 | 1.48 | 90.000 | 3.0346 |
| Co-10031 | 482.40 | 482.15 | MH-10031 | MH-10032 | 481.08 | 480.90 | 16 | 300.0 | 0.011 | 0.99 | 1.48 | 90.000 | 3.0349 |
| Co-10032 | 482.15 | 481.78 | MH-10032 | MH-10033 | 480.71 | 480.53 | 16 | 300.0 | 0.011 | 1.05 | 1.48 | 90.000 | 3.0351 |
| Co-10033 | 481.78 | 481.65 | MH-10033 | MH-10034 | 480.53 | 480.40 | 18 | 300.0 | 0.011 | 0.95 | 1.26 | 140.677 | 3.0354 |
| Co-10034 | 481.65 | 481.55 | MH-10034 | MH-10035 | 480.40 | 480.30 | 16 | 300.0 | 0.011 | 0.95 | 1.19 | 161.544 | 3.0356 |
| Co-10035 | 481.55 | 481.25 | MH-10035 | MH-10036 | 480.17 | 480.00 | 15 | 300.0 | 0.011 | 1.02 | 1.48 | 90.000 | 3.0359 |
| Co-10036 | 481.25 | 480.90 | MH-10036 | MH-10037 | 479.85 | 479.65 | 18 | 300.0 | 0.011 | 1.02 | 1.48 | 90.000 | 3.0361 |
| Co-10037 | 480.90 | 480.80 | MH-10037 | MH-10038 | 479.65 | 479.55 | 15 | 300.0 | 0.011 | 0.95 | 1.22 | 152.400 | 3.0364 |
| Co-10038 | 480.80 | 480.75 | MH-10038 | MH-10039 | 479.55 | 479.50 | 15 | 300.0 | 0.011 | 0.95 | 0.95 | 300.000 | 3.0366 |
| Co-10039 | 480.75 | 480.62 | MH-10039 | MH-10040 | 479.50 | 479.37 | 17 | 300.0 | 0.011 | 0.95 | 1.28 | 133.159 | 3.0369 |
| Co-10040 | 480.62 | 480.55 | MH-10040 | MH-10041 | 479.37 | 479.30 | 14 | 300.0 | 0.011 | 0.95 | 1.12 | 191.589 | 3.0371 |
| Co-10041 | 480.55 | 480.50 | MH-10041 | MH-10042 | 479.30 | 479.24 | 17 | 300.0 | 0.011 | 0.95 | 0.95 | 300.000 | 3.0374 |
| Co-10042 | 480.50 | 480.35 | MH-10042 | MH-10043 | 479.24 | 479.10 | 33 | 300.0 | 0.011 | 0.95 | 1.05 | 231.676 | 3.0376 |
| Co-10043 | 480.35 | 480.19 | MH-10043 | MH-10044 | 479.10 | 478.94 | 30 | 300.0 | 0.011 | 0.95 | 1.20 | 182.880 | 3.7637 |
| Co-10044 | 480.19 | 480.00 | MH-10044 | MH-10045 | 478.94 | 478.75 | 29 | 300.0 | 0.011 | 0.95 | 1.28 | 154.871 | 3.7639 |
| Co-10045 | 480.00 | 479.69 | MH-10045 | MH-10046 | 478.75 | 478.44 | 31 | 300.0 | 0.011 | 0.95 | 1.52 | 97.730 | 3.7641 |
| Co-10046 | 479.69 | 479.10 | MH-10046 | MH-10047 | 478.18 | 477.85 | 30 | 300.0 | 0.011 | 1.08 | 1.57 | 90.000 | 3.7644 |
| Co-10047 | 479.10 | 478.99 | MH-10047 | MH-10048 | 477.85 | 477.74 | 30 | 300.0 | 0.011 | 0.95 | 1.05 | 262.393 | 3.7647 |
| Co-10048 | 478.99 | 478.25 | MH-10048 | MH-10049 | 477.33 | 477.00 | 29 | 300.0 | 0.011 | 1.15 | 1.57 | 90.000 | 3.7649 |
| Co-10049 | 478.25 | 477.89 | MH-10049 | MH-10050 | 476.97 | 476.64 | 30 | 300.0 | 0.011 | 0.96 | 1.57 | 90.000 | 3.7652 |
| Co-10050 | 477.89 | 477.95 | MH-10050 | MH-10051 | 476.64 | 476.53 | 31 | 300.0 | 0.011 | 1.03 | 1.00 | 300.000 | 3.7654 |
| Co-10051 | 477.95 | 476.79 | MH-10051 | MH-10052 | 475.86 | 475.54 | 30 | 300.0 | 0.011 | 1.37 | 1.57 | 90.000 | 3.7656 |
| Co-10052 | 476.79 | 474.70 | MH-10052 | MH-10000 | 473.77 | 473.45 | 29 | 300.0 | 0.011 | 1.83 | 1.66 | 90.000 | 4.7249 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-6448 | 474.70 | 473.87 | MH-10000 | MH-11041 | 472.83 | 472.62 | 20 | 300.0 | 0.011 | 1.26 | 1.69 | 90.000 | 5.0492 |
| CO-11558 | 473.87 | 473.77 | MH-11041 | MH-11563 | 472.57 | 472.46 | 31 | 300.0 | 0.011 | 1.00 | 1.05 | 300.000 | 5.0494 |
| CO-11557 | 473.77 | 473.55 | MH-11563 | MH-11562 | 472.10 | 471.98 | 24 | 300.0 | 0.011 | 1.32 | 1.25 | 200.000 | 5.0497 |
| CO-11556 | 473.55 | 473.57 | MH-11562 | MH-11561 | 471.98 | 471.89 | 26 | 300.0 | 0.011 | 1.32 | 1.06 | 300.000 | 5.3270 |
| CO-11555 | 473.57 | 473.42 | MH-11561 | MH-11560 | 471.89 | 471.79 | 30 | 300.0 | 0.011 | 1.35 | 1.06 | 300.000 | 5.3272 |
| CO-11554 | 473.42 | 473.27 | MH-11560 | MH-11559 | 471.79 | 471.69 | 30 | 300.0 | 0.011 | 1.30 | 1.06 | 300.000 | 5.3275 |
| CO-11553 | 473.27 | 473.17 | MH-11559 | MH-11558 | 471.69 | 471.63 | 21 | 300.0 | 0.011 | 1.26 | 1.06 | 300.000 | 5.3277 |
| CO-11552 | 473.17 | 472.77 | MH-11558 | MH-11557 | 471.63 | 471.35 | 29 | 300.0 | 0.011 | 1.18 | 1.62 | 104.380 | 5.3280 |
| CO-11551 | 472.77 | 472.31 | MH-11557 | MH-11556 | 471.35 | 471.01 | 31 | 300.0 | 0.011 | 1.06 | 1.71 | 90.000 | 5.3282 |
| CO-11550 | 472.31 | 471.94 | MH-11556 | MH-11555 | 470.89 | 470.64 | 23 | 300.0 | 0.011 | 1.06 | 1.71 | 90.000 | 5.3285 |
| CO-11549 | 471.94 | 471.80 | MH-11555 | MH-11554 | 470.64 | 470.50 | 30 | 300.0 | 0.011 | 1.00 | 1.22 | 215.537 | 5.3287 |
| CO-11548 | 471.80 | 471.76 | MH-11554 | MH-11553 | 470.50 | 470.40 | 30 | 300.0 | 0.011 | 1.03 | 1.06 | 300.000 | 5.3290 |
| CO-11547 | 471.76 | 471.12 | MH-11553 | MH-11552 | 470.06 | 469.82 | 22 | 300.0 | 0.011 | 1.20 | 1.71 | 90.000 | 5.3292 |
| CO-11546 | 471.12 | 470.46 | MH-11552 | MH-11551 | 469.50 | 469.16 | 31 | 300.0 | 0.011 | 1.16 | 1.71 | 90.000 | 5.3295 |
| CO-11545 | 470.46 | 468.75 | MH-11551 | MH-11035 | 467.87 | 467.45 | 38 | 300.0 | 0.011 | 1.64 | 1.73 | 90.000 | 5.5630 |
| CO-11033 | 468.75 | 468.35 | MH-11035 | MH-11036 | 467.15 | 467.05 | 20 | 400.0 | 0.011 | 1.05 | 1.46 | 200.000 | 9.3126 |
| CO-11034 | 468.35 | 468.65 | MH-11036 | MH-11037 | 467.00 | 466.87 | 40 | 400.0 | 0.011 | 1.17 | 1.24 | 300.000 | 9.3128 |
| CO-11035 | 468.65 | 468.41 | MH-11037 | MH-11038 | 466.87 | 466.77 | 30 | 400.0 | 0.011 | 1.31 | 1.25 | 300.000 | 9.4224 |
| CO-11110 | 474.41 | 473.07 | MH-11088 | MH-11124 | 472.25 | 471.97 | 26 | 300.0 | 0.011 | 1.33 | 1.01 | 90.000 | 0.8102 |
| CO-11109 | 473.07 | 472.27 | MH-11124 | MH-11123 | 471.45 | 471.17 | 25 | 300.0 | 0.011 | 1.06 | 1.01 | 90.000 | 0.8105 |
| CO-11111 | 472.27 | 471.51 | MH-11123 | MH-11125 | 470.75 | 470.41 | 30 | 300.0 | 0.011 | 1.01 | 1.01 | 90.000 | 0.8108 |
| CO-11114 | 471.51 | 470.05 | MH-11125 | MH-11128 | 469.29 | 468.95 | 30 | 300.0 | 0.011 | 1.36 | 1.01 | 90.000 | 0.8110 |
| CO-11113 | 470.05 | 470.98 | MH-11128 | MH-11126 | 468.95 | 468.85 | 30 | 300.0 | 0.011 | 1.32 | 0.66 | 300.000 | 0.8112 |
| CO-11112 | 470.98 | 470.58 | MH-11126 | MH-11127 | 468.85 | 468.75 | 30 | 300.0 | 0.011 | 1.68 | 0.66 | 300.000 | 0.8115 |
| CO-11116 | 470.58 | 469.95 | MH-11127 | MH-11129 | 468.75 | 468.65 | 30 | 300.0 | 0.011 | 1.26 | 0.66 | 300.000 | 0.8118 |
| CO-11115 | 469.95 | 469.47 | MH-11129 | MH-11122 | 468.65 | 468.37 | 27 | 300.0 | 0.011 | 0.90 | 0.98 | 97.493 | 0.8120 |
| CO-11118 | 469.47 | 469.12 | MH-11122 | MH-11130 | 468.29 | 468.02 | 24 | 300.0 | 0.011 | 0.84 | 1.01 | 90.000 | 0.8122 |
| CO-11117 | 469.12 | 469.98 | MH-11130 | MH-11121 | 468.02 | 467.94 | 23 | 300.0 | 0.011 | 1.27 | 0.66 | 300.000 | 0.8125 |
| CO-11108 | 469.98 | 468.68 | MH-11121 | MH-11120 | 467.94 | 467.50 | 43 | 300.0 | 0.011 | 1.31 | 0.98 | 98.302 | 0.8128 |
| CO-11119 | 468.68 | 468.27 | MH-11120 | MH-11131 | 467.50 | 467.17 | 30 | 300.0 | 0.011 | 0.84 | 1.01 | 90.000 | 0.8130 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-11121 | 468.27 | 466.60 | MH-11131 | MH-11132 | 465.83 | 465.50 | 30 | 300.0 | 0.011 | 1.47 | 1.01 | 90.000 | 0.8133 |
| CO-11120 | 466.60 | 468.29 | MH-11132 | MH-11119 | 465.50 | 465.36 | 41 | 300.0 | 0.011 | 1.71 | 0.66 | 300.000 | 0.8135 |
| CO-11123 | 468.29 | 468.44 | MH-11119 | MH-11133 | 465.36 | 465.26 | 29 | 300.0 | 0.011 | 2.75 | 0.66 | 300.000 | 0.8137 |
| CO-11122 | 468.44 | 468.81 | MH-11133 | MH-11118 | 465.26 | 465.17 | 28 | 300.0 | 0.011 | 3.11 | 0.66 | 300.000 | 0.8140 |
| CO-11125 | 468.81 | 469.01 | MH-11118 | MH-11134 | 465.17 | 465.07 | 29 | 300.0 | 0.011 | 3.49 | 0.66 | 300.000 | 0.8143 |
| CO-11124 | 469.01 | 469.06 | MH-11134 | MH-11117 | 465.07 | 464.98 | 27 | 300.0 | 0.011 | 3.71 | 0.66 | 300.000 | 0.8145 |
| CO-11127 | 469.06 | 469.06 | MH-11117 | MH-11135 | 464.98 | 464.85 | 38 | 300.0 | 0.011 | 3.84 | 0.66 | 300.000 | 0.8147 |
| CO-11126 | 469.06 | 468.85 | MH-11135 | MH-11116 | 464.85 | 464.73 | 37 | 300.0 | 0.011 | 3.86 | 0.66 | 300.000 | 0.8150 |
| CO-11129 | 468.85 | 468.75 | MH-11116 | MH-11136 | 464.73 | 464.63 | 30 | 300.0 | 0.011 | 3.82 | 0.66 | 300.000 | 0.8153 |
| CO-11128 | 468.75 | 468.41 | MH-11136 | MH-11038 | 464.63 | 464.55 | 25 | 300.0 | 0.011 | 3.69 | 0.66 | 300.000 | 0.8155 |
| CO-6433 | 468.41 | 468.30 | MH-11038 | MH-14008 | 464.25 | 464.15 | 31 | 450.0 | 0.011 | 3.71 | 1.38 | 300.000 | 14.5396 |
| CO-14007 | 468.30 | 467.59 | MH-14008 | MH-14009 | 464.15 | 464.04 | 32 | 500.0 | 0.011 | 3.35 | 1.40 | 300.000 | 14.5399 |
| CO-14008 | 467.59 | 467.59 | MH-14009 | MH-14010 | 464.04 | 464.00 | 10 | 500.0 | 0.011 | 3.06 | 1.40 | 300.000 | 14.5401 |
| CO-14009 | 467.59 | 467.09 | MH-14010 | MH-14011 | 464.00 | 463.92 | 24 | 500.0 | 0.011 | 2.87 | 1.40 | 300.000 | 14.6788 |
| CO-14010 | 467.09 | 466.84 | MH-14011 | MH-14012 | 463.92 | 463.86 | 19 | 500.0 | 0.011 | 2.57 | 1.40 | 300.000 | 14.6790 |
| CO-14011 | 466.84 | 466.35 | MH-14012 | MH-14013 | 463.86 | 463.82 | 13 | 500.0 | 0.011 | 2.25 | 1.40 | 300.000 | 14.6793 |
| CO-14012 | 466.35 | 466.33 | MH-14013 | MH-14014 | 463.82 | 463.78 | 11 | 500.0 | 0.011 | 2.04 | 1.41 | 300.000 | 15.2675 |
| CO-14508 | 466.33 | 465.93 | MH-14014 | MH-14523 | 463.78 | 463.68 | 30 | 500.0 | 0.011 | 1.90 | 1.41 | 300.000 | 15.2908 |
| CO-14507 | 465.93 | 465.53 | MH-14523 | MH-14522 | 463.68 | 463.60 | 24 | 500.0 | 0.011 | 1.59 | 1.41 | 300.000 | 15.3141 |
| CO-14521 | 465.53 | 465.43 | MH-14522 | MH-14538 | 463.60 | 463.54 | 17 | 500.0 | 0.011 | 1.41 | 1.42 | 300.000 | 15.3604 |
| CO-14520 | 465.43 | 465.53 | MH-14538 | MH-14521 | 463.54 | 463.48 | 20 | 500.0 | 0.011 | 1.47 | 1.42 | 300.000 | 15.5104 |
| CO-14506 | 465.53 | 465.46 | MH-14521 | MH-14520 | 463.48 | 463.39 | 28 | 500.0 | 0.011 | 1.56 | 1.42 | 300.000 | 15.5107 |
| CO-14539 | 465.46 | 465.60 | MH-14520 | MH-14555 | 463.39 | 463.28 | 30 | 500.0 | 0.011 | 1.69 | 1.42 | 300.000 | 15.5570 |
| CO-14540 | 465.60 | 465.24 | MH-14555 | MH-14556 | 463.28 | 463.18 | 31 | 500.0 | 0.011 | 1.68 | 1.42 | 300.000 | 15.5573 |
| CO-14541 | 465.24 | 464.67 | MH-14556 | MH-14557 | 463.18 | 462.88 | 29 | 500.0 | 0.011 | 1.42 | 2.22 | 96.361 | 16.6165 |
| CO-14542 | 464.67 | 464.08 | MH-14557 | MH-14024 | 462.88 | 462.68 | 19 | 500.0 | 0.011 | 1.09 | 2.28 | 90.000 | 16.6168 |
| CO-14022 | 464.08 | 463.91 | MH-14024 | MH-14025 | 462.68 | 462.51 | 18 | 600.0 | 0.011 | 0.80 | 2.08 | 112.829 | 16.6170 |
| CO-14023 | 463.91 | 463.76 | MH-14025 | MH-14026 | 462.51 | 462.36 | 18 | 600.0 | 0.011 | 0.80 | 2.08 | 112.829 | 16.6173 |
| CO-14024 | 463.76 | 463.62 | MH-14026 | MH-14027 | 462.36 | 462.22 | 15 | 600.0 | 0.011 | 0.80 | 2.08 | 112.829 | 16.6520 |
| CO-14025 | 463.62 | 463.51 | MH-14027 | MH-14028 | 462.22 | 462.11 | 13 | 600.0 | 0.011 | 0.80 | 2.11 | 112.829 | 17.6753 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-14547 | 463.51 | 463.45 | MH-14028 | MH-14562 | 462.00 | 461.85 | 30 | 600.0 | 0.011 | 0.95 | 1.72 | 200.000 | 17.8938 |
| CO-14546 | 463.45 | 463.40 | MH-14562 | MH-14561 | 461.80 | 461.70 | 29 | 600.0 | 0.011 | 1.07 | 1.48 | 300.000 | 17.8940 |
| CO-14555 | 463.40 | 463.37 | MH-14561 | MH-14563 | 461.70 | 461.65 | 15 | 600.0 | 0.011 | 1.11 | 1.48 | 300.000 | 17.8943 |
| CO-14554 | 463.37 | 463.33 | MH-14563 | MH-14565 | 461.65 | 461.57 | 23 | 600.0 | 0.011 | 1.14 | 1.48 | 300.000 | 17.9519 |
| CO-14553 | 463.33 | 463.29 | MH-14565 | MH-14570 | 461.57 | 461.49 | 25 | 600.0 | 0.011 | 1.18 | 1.48 | 300.000 | 17.9866 |
| CO-14580 | 463.29 | 462.95 | MH-14570 | MH-14594 | 461.00 | 460.87 | 26 | 600.0 | 0.011 | 1.59 | 1.72 | 200.000 | 18.1706 |
| CO-14581 | 462.95 | 462.50 | MH-14594 | MH-14591 | 460.87 | 460.79 | 22 | 600.0 | 0.011 | 1.29 | 1.48 | 300.000 | 18.1708 |
| CO-14577 | 462.50 | 463.17 | MH-14591 | MH-14592 | 460.79 | 460.73 | 20 | 600.0 | 0.011 | 1.47 | 1.48 | 300.000 | 18.2285 |
| CO-14578 | 463.17 | 462.55 | MH-14592 | MH-14593 | 460.73 | 460.66 | 22 | 600.0 | 0.011 | 1.56 | 1.48 | 300.000 | 18.2287 |
| CO-14579 | 462.55 | 462.33 | MH-14593 | MH-14200 | 460.66 | 460.60 | 19 | 600.0 | 0.011 | 1.21 | 1.48 | 300.000 | 18.2290 |
| CO-14190 | 462.33 | 462.10 | MH-14200 | MH-14199 | 459.25 | 459.10 | 30 | 600.0 | 0.011 | 2.43 | 1.78 | 200.000 | 20.7043 |
| CO-14189 | 462.10 | 461.94 | MH-14199 | MH-14198 | 459.10 | 459.00 | 30 | 600.0 | 0.011 | 2.36 | 1.53 | 300.000 | 20.7275 |
| CO-14188 | 461.94 | 461.71 | MH-14198 | MH-14046 | 459.00 | 458.85 | 44 | 600.0 | 0.011 | 2.29 | 1.53 | 300.000 | 20.8078 |
| CO-14041 | 461.71 | 461.69 | MH-14046 | MH-14047 | 458.85 | 458.78 | 23 | 600.0 | 0.011 | 2.28 | 1.55 | 300.000 | 21.5854 |
| CO-14042 | 461.69 | 462.10 | MH-14047 | MH-14048 | 458.78 | 458.68 | 29 | 600.0 | 0.011 | 2.56 | 1.55 | 300.000 | 21.5857 |
| CO-14043 | 462.10 | 462.55 | MH-14048 | MH-14049 | 458.68 | 458.59 | 28 | 600.0 | 0.011 | 3.09 | 1.55 | 300.000 | 21.6430 |
| CO-14044 | 462.55 | 462.90 | MH-14049 | MH-14050 | 458.59 | 458.52 | 20 | 600.0 | 0.011 | 3.57 | 1.55 | 300.000 | 21.7575 |
| CO-14045 | 462.90 | 462.99 | MH-14050 | MH-14051 | 458.52 | 458.46 | 18 | 600.0 | 0.011 | 3.85 | 1.55 | 300.000 | 21.8035 |
| CO-14046 | 462.99 | 462.65 | MH-14051 | MH-14052 | 458.46 | 458.40 | 30 | 600.0 | 0.011 | 3.79 | 1.27 | 496.467 | 21.8380 |
| CO-14047 | 462.65 | 462.70 | MH-14052 | MH-14053 | 458.50 | 458.31 | 39 | 600.0 | 0.011 | 3.67 | 1.86 | 200.000 | 24.2671 |
| CO-14048 | 462.70 | 461.80 | MH-14053 | MH-14054 | 458.21 | 458.10 | 33 | 600.0 | 0.011 | 3.50 | 1.58 | 304.868 | 24.3015 |
| CO-14049 | 461.80 | 461.71 | MH-14054 | MH-14055 | 458.10 | 458.04 | 13 | 600.0 | 0.011 | 3.09 | 1.86 | 200.000 | 24.3018 |
| CO-14050 | 461.71 | 461.35 | MH-14055 | MH-14056 | 458.04 | 457.94 | 27 | 600.0 | 0.011 | 2.94 | 1.59 | 300.000 | 24.3703 |
| CO-14051 | 461.35 | 461.33 | MH-14056 | MH-14057 | 457.94 | 457.84 | 30 | 600.0 | 0.011 | 2.85 | 1.59 | 300.000 | 24.4047 |
| CO-14053 | 461.33 | 461.31 | MH-14057 | MH-14059 | 457.84 | 457.74 | 32 | 600.0 | 0.011 | 2.93 | 1.59 | 300.000 | 24.6212 |
| CO-14054 | 461.31 | 460.20 | MH-14059 | MH-14060 | 457.00 | 456.84 | 32 | 600.0 | 0.011 | 3.24 | 1.86 | 200.000 | 24.6783 |
| CO-6434 | 460.20 | 459.89 | MH-14060 | MH-12061 | 456.84 | 456.73 | 33 | 600.0 | 0.013 | 2.66 | 1.39 | 300.000 | 24.6786 |
| CO-12058 | 459.89 | 459.50 | MH-12061 | MH-12062 | 456.73 | 456.62 | 33 | 600.0 | 0.011 | 2.42 | 1.60 | 300.000 | 24.7476 |
| CO-12059 | 459.50 | 459.34 | MH-12062 | MH-12063 | 456.62 | 456.52 | 30 | 800.0 | 0.011 | 2.05 | 1.59 | 300.000 | 24.7753 |
| CO-12060 | 459.34 | 459.28 | MH-12063 | MH-12064 | 456.52 | 456.42 | 30 | 800.0 | 0.011 | 2.04 | 1.59 | 300.000 | 24.7756 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-12061 | 459.28 | 459.21 | MH-12064 | MH-12065 | 456.42 | 456.32 | 30 | 800.0 | 0.011 | 2.08 | 1.61 | 300.000 | 25.4353 |
| CO-12062 | 459.21 | 459.15 | MH-12065 | MH-12066 | 456.32 | 456.22 | 30 | 800.0 | 0.011 | 2.11 | 1.61 | 300.000 | 25.4356 |
| CO-12063 | 459.15 | 459.11 | MH-12066 | MH-12067 | 455.60 | 455.47 | 25 | 800.0 | 0.011 | 2.79 | 1.89 | 200.000 | 26.7942 |
| CO-12064 | 459.11 | 459.14 | MH-12067 | MH-12068 | 455.47 | 455.39 | 25 | 800.0 | 0.011 | 2.89 | 1.63 | 300.000 | 26.7945 |
| CO-12637 | 459.14 | 459.86 | MH-12068 | MH-12644 | 455.39 | 455.31 | 24 | 800.0 | 0.011 | 3.35 | 1.63 | 300.000 | 26.7947 |
| CO-12638 | 459.86 | 460.29 | MH-12644 | MH-12034 | 455.31 | 455.23 | 24 | 800.0 | 0.011 | 4.00 | 1.64 | 300.000 | 27.8087 |
| CO-12031 | 460.29 | 460.15 | MH-12034 | MH-12035 | 455.23 | 455.18 | 17 | 800.0 | 0.011 | 4.21 | 1.68 | 300.000 | 30.4597 |
| CO-12032 | 460.15 | 460.15 | MH-12035 | MH-12036 | 455.18 | 455.08 | 30 | 800.0 | 0.011 | 4.22 | 1.68 | 300.000 | 30.4600 |
| CO-12033 | 460.15 | 460.14 | MH-12036 | MH-12037 | 455.08 | 454.98 | 30 | 800.0 | 0.011 | 4.32 | 1.68 | 300.000 | 30.4602 |
| CO-12034 | 460.14 | 459.89 | MH-12037 | MH-12038 | 454.98 | 454.87 | 31 | 800.0 | 0.011 | 4.29 | 1.68 | 300.000 | 30.4605 |
| CO-12035 | 459.89 | 459.15 | MH-12038 | MH-12039 | 454.87 | 454.77 | 30 | 800.0 | 0.011 | 3.90 | 1.69 | 300.000 | 30.6107 |
| CO-12036 | 459.15 | 458.64 | MH-12039 | MH-12040 | 454.77 | 454.67 | 30 | 800.0 | 0.011 | 3.37 | 1.69 | 300.000 | 30.6110 |
| CO-12038 | 458.64 | 458.63 | MH-12040 | MH-12042 | 454.67 | 454.57 | 30 | 800.0 | 0.011 | 3.21 | 1.69 | 300.000 | 30.6522 |
| CO-12039 | 458.63 | 458.28 | MH-12042 | MH-12043 | 454.57 | 454.47 | 30 | 800.0 | 0.011 | 3.13 | 1.72 | 300.000 | 32.8851 |
| CO-12041 | 458.28 | 458.08 | MH-12043 | MH-12045 | 454.47 | 454.39 | 23 | 800.0 | 0.011 | 2.94 | 1.72 | 300.000 | 32.8853 |
| CO-12042 | 458.08 | 457.24 | MH-12045 | MH-12046 | 454.39 | 454.31 | 21 | 800.0 | 0.011 | 2.50 | 1.83 | 251.287 | 32.8856 |
| CO-12043 | 457.24 | 457.03 | MH-12046 | MH-12047 | 454.21 | 454.16 | 15 | 800.0 | 0.011 | 2.14 | 1.77 | 300.000 | 37.2556 |
| CO-12044 | 457.03 | 456.92 | MH-12047 | MH-12048 | 454.16 | 454.06 | 30 | 800.0 | 0.011 | 2.06 | 1.77 | 300.000 | 37.2558 |
| CO-12045 | 456.92 | 456.76 | MH-12048 | MH-12049 | 454.06 | 453.96 | 30 | 800.0 | 0.011 | 2.03 | 1.77 | 300.000 | 37.2561 |
| CO-12046 | 456.76 | 456.76 | MH-12049 | MH-12050 | 453.96 | 453.86 | 30 | 800.0 | 0.011 | 2.05 | 1.77 | 300.000 | 37.2563 |
| CO-12047 | 456.76 | 456.67 | MH-12050 | MH-12051 | 453.00 | 452.83 | 33 | 800.0 | 0.011 | 3.00 | 2.06 | 200.000 | 37.2566 |
| CO-12048 | 456.67 | 456.63 | MH-12051 | MH-12052 | 452.83 | 452.73 | 33 | 800.0 | 0.011 | 3.07 | 1.77 | 300.000 | 37.2568 |
| CO-12049 | 456.63 | 456.65 | MH-12052 | MH-12053 | 452.73 | 452.65 | 23 | 800.0 | 0.011 | 3.15 | 1.78 | 300.000 | 37.4327 |
| CO-12050 | 456.65 | 456.81 | MH-12053 | MH-12054 | 452.65 | 452.55 | 31 | 800.0 | 0.011 | 3.33 | 1.78 | 300.000 | 37.4329 |
| CO-12051 | 456.81 | 457.01 | MH-12054 | MH-12055 | 452.55 | 452.45 | 30 | 800.0 | 0.011 | 3.61 | 1.78 | 300.000 | 37.4332 |
| CO-12052 | 457.01 | 457.08 | MH-12055 | MH-12056 | 452.45 | 452.35 | 29 | 800.0 | 0.011 | 3.85 | 1.78 | 300.000 | 37.4334 |
| CO-12053 | 457.08 | 458.06 | MH-12056 | MH-12057 | 452.35 | 452.25 | 31 | 800.0 | 0.011 | 4.47 | 1.78 | 300.000 | 37.4337 |
| CO-12055 | 458.06 | 457.67 | MH-12057 | MH-12059 | 452.25 | 452.15 | 30 | 800.0 | 0.011 | 4.87 | 1.79 | 300.000 | 38.5540 |
| CO-12056 | 457.67 | 458.52 | MH-12059 | MH-12060 | 452.15 | 452.06 | 28 | 800.0 | 0.011 | 5.19 | 1.79 | 300.000 | 38.5542 |
| CO-6449 | 458.52 | 458.41 | MH-12060 | MH-15016 | 452.06 | 451.96 | 30 | 900.0 | 0.011 | 5.55 | 1.80 | 300.000 | 39.7303 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-15016 | 458.41 | 457.81 | MH-15016 | MH-15017 | 451.96 | 451.86 | 29 | 900.0 | 0.011 | 5.30 | 1.80 | 300.000 | 39.7306 |
| CO-15017 | 457.81 | 457.25 | MH-15017 | MH-15018 | 451.86 | 451.76 | 30 | 900.0 | 0.011 | 4.82 | 1.80 | 300.000 | 39.7308 |
| CO-15018 | 457.25 | 456.77 | MH-15018 | MH-15019 | 451.76 | 451.66 | 30 | 900.0 | 0.011 | 4.40 | 1.80 | 300.000 | 39.7311 |
| CO-15019 | 456.77 | 456.15 | MH-15019 | MH-15020 | 451.66 | 451.56 | 28 | 900.0 | 0.011 | 3.95 | 1.80 | 300.000 | 39.7313 |
| CO-15020 | 456.15 | 455.99 | MH-15020 | MH-15021 | 451.56 | 451.50 | 18 | 900.0 | 0.011 | 3.63 | 1.81 | 300.000 | 40.6667 |
| CO-15021 | 455.99 | 455.74 | MH-15021 | MH-15022 | 451.50 | 451.42 | 24 | 900.0 | 0.011 | 3.50 | 1.81 | 300.000 | 40.6670 |
| CO-15022 | 455.74 | 455.35 | MH-15022 | MH-15023 | 451.42 | 451.33 | 30 | 900.0 | 0.011 | 3.27 | 1.81 | 300.000 | 40.6672 |
| CO-15023 | 455.35 | 455.11 | MH-15023 | MH-15024 | 451.33 | 451.22 | 31 | 900.0 | 0.011 | 3.05 | 1.81 | 300.000 | 40.6675 |
| CO-15024 | 455.11 | 455.04 | MH-15024 | MH-15025 | 451.22 | 451.11 | 32 | 900.0 | 0.011 | 3.01 | 1.81 | 300.000 | 40.6677 |
| CO-15025 | 455.04 | 455.04 | MH-15025 | MH-15026 | 451.11 | 451.02 | 29 | 900.0 | 0.011 | 3.07 | 1.81 | 300.000 | 40.6680 |
| CO-15026 | 455.04 | 455.09 | MH-15026 | MH-15027 | 451.02 | 450.96 | 18 | 900.0 | 0.011 | 3.17 | 1.82 | 300.000 | 41.8910 |
| CO-15027 | 455.09 | 454.91 | MH-15027 | MH-15028 | 450.96 | 450.86 | 30 | 900.0 | 0.011 | 3.18 | 1.82 | 300.000 | 41.8912 |
| CO-15028 | 454.91 | 454.93 | MH-15028 | MH-15029 | 450.86 | 450.76 | 30 | 900.0 | 0.011 | 3.20 | 1.82 | 300.000 | 41.8915 |
| CO-15029 | 454.93 | 454.76 | MH-15029 | MH-15030 | 450.76 | 450.66 | 31 | 900.0 | 0.011 | 3.23 | 1.83 | 300.000 | 42.1138 |
| CO-15030 | 454.76 | 454.61 | MH-15030 | MH-15031 | 450.66 | 450.56 | 30 | 900.0 | 0.011 | 3.17 | 1.83 | 300.000 | 42.1141 |
| CO-15031 | 454.61 | 454.49 | MH-15031 | MH-15032 | 450.56 | 450.46 | 30 | 900.0 | 0.011 | 3.14 | 1.83 | 300.000 | 42.1143 |
| CO-15032 | 454.49 | 454.35 | MH-15032 | MH-15033 | 450.46 | 450.36 | 30 | 900.0 | 0.011 | 3.11 | 1.83 | 300.000 | 42.1146 |
| CO-15033 | 454.35 | 454.33 | MH-15033 | MH-15034 | 450.36 | 450.26 | 30 | 900.0 | 0.011 | 3.13 | 1.83 | 300.000 | 42.1148 |
| CO-15034 | 454.33 | 454.22 | MH-15034 | MH-15035 | 450.26 | 450.16 | 30 | 900.0 | 0.011 | 3.16 | 1.83 | 300.000 | 42.1151 |
| CO-15035 | 454.22 | 454.21 | MH-15035 | MH-15036 | 450.16 | 450.06 | 30 | 900.0 | 0.011 | 3.20 | 1.83 | 300.000 | 42.1153 |
| CO-15036 | 454.21 | 454.06 | MH-15036 | MH-15037 | 450.06 | 449.96 | 30 | 900.0 | 0.011 | 3.22 | 1.83 | 300.000 | 42.1156 |
| CO-15037 | 454.06 | 454.00 | MH-15037 | MH-15038 | 449.96 | 449.86 | 30 | 900.0 | 0.011 | 3.22 | 1.83 | 300.000 | 42.1158 |
| CO-15038 | 454.00 | 453.84 | MH-15038 | MH-15039 | 449.86 | 449.77 | 26 | 900.0 | 0.011 | 3.20 | 1.83 | 300.000 | 42.1161 |
| CO-6435 | 453.84 | 453.78 | MH-15039 | MH-5232 | 449.77 | 449.70 | 21 | 900.0 | 0.011 | 3.17 | 1.83 | 300.000 | 42.1163 |
| CO-6436 | 453.78 | 453.89 | MH-5232 | MH-15040 | 449.70 | 449.63 | 23 | 900.0 | 0.011 | 3.27 | 1.83 | 300.000 | 42.1163 |
| CO-15114 | 459.06 | 458.99 | MH-15119 | MH-15120 | 456.00 | 455.85 | 30 | 200.0 | 0.010 | 2.89 | 0.95 | 200.000 | 1.2444 |
| CO-6437 | 458.99 | 458.84 | MH-15120 | MH-5233 | 455.80 | 455.73 | 22 | 250.0 | 0.011 | 2.90 | 0.94 | 300.000 | 3.2353 |
| CO-6438 | 458.84 | 458.71 | MH-5233 | MH-15121 | 455.73 | 455.66 | 21 | 250.0 | 0.011 | 2.83 | 0.94 | 300.000 | 3.2353 |
| CO-6441 | 458.71 | 458.44 | MH-15121 | MH-5235 | 455.66 | 455.58 | 24 | 250.0 | 0.011 | 2.71 | 0.94 | 300.000 | 3.2356 |
| CO-6442 | 458.44 | 458.22 | MH-5235 | MH-5234 | 455.58 | 455.50 | 24 | 250.0 | 0.011 | 2.54 | 0.94 | 300.000 | 3.2356 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-6440 | 458.22 | 457.98 | MH-5234 | MH-15122 | 455.50 | 455.40 | 28 | 250.0 | 0.011 | 2.40 | 0.94 | 300.000 | 3.2356 |
| CO-15117 | 457.98 | 457.88 | MH-15122 | MH-15123 | 455.40 | 455.30 | 30 | 250.0 | 0.011 | 2.32 | 0.94 | 300.000 | 3.2358 |
| CO-15118 | 457.88 | 457.56 | MH-15123 | MH-15124 | 455.30 | 455.21 | 30 | 250.0 | 0.011 | 2.21 | 0.94 | 300.000 | 3.3294 |
| CO-15119 | 457.56 | 457.56 | MH-15124 | MH-15125 | 455.21 | 455.10 | 31 | 250.0 | 0.011 | 2.16 | 0.94 | 300.000 | 3.3296 |
| CO-15120 | 457.56 | 457.58 | MH-15125 | MH-15126 | 455.10 | 455.00 | 31 | 250.0 | 0.011 | 2.27 | 0.94 | 300.000 | 3.3299 |
| CO-15121 | 457.58 | 457.53 | MH-15126 | MH-15127 | 455.00 | 454.90 | 30 | 250.0 | 0.011 | 2.35 | 0.94 | 300.000 | 3.3923 |
| CO-15128 | 457.53 | 457.45 | MH-15127 | MH-15134 | 454.85 | 454.75 | 30 | 300.0 | 0.011 | 2.39 | 1.00 | 300.000 | 3.7969 |
| CO-15129 | 457.45 | 457.40 | MH-15134 | MH-15135 | 454.75 | 454.65 | 30 | 300.0 | 0.011 | 2.42 | 1.00 | 300.000 | 3.7972 |
| CO-15130 | 457.40 | 457.38 | MH-15135 | MH-15128 | 454.65 | 454.56 | 27 | 300.0 | 0.011 | 2.48 | 1.00 | 300.000 | 3.7974 |
| CO-15122 | 457.38 | 457.38 | MH-15128 | MH-15129 | 454.56 | 454.50 | 18 | 350.0 | 0.011 | 2.50 | 1.01 | 300.000 | 3.9221 |
| CO-15126 | 457.38 | 457.45 | MH-15129 | MH-15133 | 454.50 | 454.40 | 29 | 350.0 | 0.011 | 2.61 | 1.02 | 300.000 | 4.1090 |
| CO-15127 | 457.45 | 457.31 | MH-15133 | MH-15130 | 454.40 | 454.31 | 29 | 350.0 | 0.011 | 2.67 | 1.02 | 300.000 | 4.1092 |
| CO-15124 | 457.31 | 457.03 | MH-15130 | MH-15132 | 454.31 | 454.20 | 33 | 350.0 | 0.011 | 2.56 | 1.04 | 300.000 | 4.3117 |
| CO-15125 | 457.03 | 456.68 | MH-15132 | MH-15131 | 454.20 | 454.10 | 29 | 350.0 | 0.011 | 2.35 | 1.04 | 300.000 | 4.3119 |
| CO-15123 | 456.68 | 456.25 | MH-15131 | MH-15076 | 454.10 | 453.99 | 32 | 350.0 | 0.011 | 2.07 | 1.04 | 300.000 | 4.4210 |
| CO-15074 | 456.25 | 455.75 | MH-15076 | MH-15077 | 453.94 | 453.85 | 28 | 350.0 | 0.011 | 1.75 | 1.13 | 300.000 | 6.2253 |
| CO-15075 | 455.75 | 455.27 | MH-15077 | MH-15078 | 453.85 | 453.75 | 30 | 350.0 | 0.011 | 1.36 | 1.13 | 300.000 | 6.2256 |
| CO-15076 | 455.27 | 453.46 | MH-15078 | MH-15079 | 452.50 | 452.16 | 31 | 350.0 | 0.011 | 1.68 | 1.78 | 90.000 | 6.2258 |
| CO-15077 | 453.46 | 453.44 | MH-15079 | MH-15080 | 452.16 | 452.06 | 30 | 350.0 | 0.011 | 0.99 | 1.13 | 300.000 | 6.2261 |
| CO-15078 | 453.44 | 453.61 | MH-15080 | MH-15081 | 452.06 | 451.96 | 30 | 350.0 | 0.011 | 1.16 | 1.13 | 300.000 | 6.2263 |
| CO-15079 | 453.61 | 453.75 | MH-15081 | MH-15082 | 451.96 | 451.86 | 30 | 350.0 | 0.011 | 1.42 | 1.13 | 300.000 | 6.2266 |
| CO-15080 | 453.75 | 453.89 | MH-15082 | MH-15040 | 451.86 | 451.76 | 30 | 350.0 | 0.011 | 1.66 | 1.13 | 300.000 | 6.2268 |
| CO-15040 | 453.89 | 453.75 | MH-15040 | MH-15041 | 449.63 | 449.56 | 20 | 900.0 | 0.011 | 3.33 | 1.90 | 300.000 | 48.6184 |
| CO-15041 | 453.75 | 453.54 | MH-15041 | MH-15042 | 449.56 | 449.46 | 30 | 900.0 | 0.011 | 3.24 | 1.90 | 300.000 | 48.6187 |
| CO-15042 | 453.54 | 453.35 | MH-15042 | MH-15043 | 449.46 | 449.36 | 30 | 900.0 | 0.011 | 3.14 | 1.90 | 300.000 | 48.6189 |
| CO-15043 | 453.35 | 453.24 | MH-15043 | MH-15044 | 449.36 | 449.26 | 30 | 900.0 | 0.011 | 3.09 | 1.90 | 300.000 | 48.6192 |
| CO-15044 | 453.24 | 453.15 | MH-15044 | MH-15045 | 449.26 | 449.16 | 30 | 900.0 | 0.011 | 3.09 | 1.90 | 300.000 | 48.6194 |
| CO-15045 | 453.15 | 453.04 | MH-15045 | MH-15046 | 449.16 | 449.06 | 30 | 900.0 | 0.011 | 3.08 | 1.90 | 300.000 | 48.6197 |
| CO-15046 | 453.04 | 452.99 | MH-15046 | MH-15047 | 449.06 | 448.96 | 30 | 900.0 | 0.011 | 3.10 | 1.90 | 300.000 | 48.6199 |
| CO-15047 | 452.99 | 452.97 | MH-15047 | MH-15048 | 448.96 | 448.86 | 30 | 900.0 | 0.011 | 3.17 | 1.90 | 300.000 | 48.6202 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|----------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-15048 | 452.97 | 452.98 | MH-15048 | MH-15049 | 448.86 | 448.76 | 30 | 900.0 | 0.011 | 3.26 | 1.90 | 300.000 | 48.6204 |
| CO-6443 | 452.98 | 453.04 | MH-15049 | MH-5236 | 448.76 | 448.68 | 24 | 900.0 | 0.011 | 3.39 | 1.90 | 300.000 | 48.6207 |
| CO-6444 | 453.04 | 452.95 | MH-5236 | MH-15050 | 448.68 | 448.58 | 31 | 900.0 | 0.011 | 3.46 | 1.90 | 300.000 | 48.6903 |
| CO-15050 | 452.95 | 452.89 | MH-15050 | MH-15051 | 448.58 | 448.48 | 30 | 900.0 | 0.011 | 3.49 | 1.90 | 300.000 | 48.6906 |
| CO-6450 | 452.89 | 452.45 | MH-15051 | MH-16000 | 448.48 | 448.37 | 34 | 900.0 | 0.011 | 3.35 | 1.90 | 300.000 | 48.8118 |
| CO-16000 | 452.45 | 452.34 | MH-16000 | MH-16001 | 448.37 | 448.28 | 27 | 900.0 | 0.011 | 3.17 | 1.93 | 300.000 | 51.7391 |
| CO-16001 | 452.34 | 451.98 | MH-16001 | MH-16002 | 448.28 | 448.17 | 32 | 900.0 | 0.011 | 3.03 | 1.93 | 300.000 | 51.7393 |
| CO-16002 | 451.98 | 451.84 | MH-16002 | MH-16003 | 448.17 | 448.06 | 33 | 900.0 | 0.011 | 2.89 | 1.93 | 300.000 | 51.7396 |
| CO-16003 | 451.84 | 450.87 | MH-16003 | MH-16004 | 448.06 | 447.96 | 30 | 900.0 | 0.011 | 2.44 | 1.93 | 300.000 | 51.7398 |
| CO-16004 | 450.87 | 451.01 | MH-16004 | MH-16005 | 447.96 | 447.86 | 30 | 900.0 | 0.011 | 2.13 | 1.93 | 300.000 | 51.7401 |
| CO-16005 | 451.01 | 452.01 | MH-16005 | MH-16006 | 447.86 | 447.76 | 29 | 900.0 | 0.011 | 2.79 | 1.93 | 300.000 | 51.7403 |
| CO-16006 | 452.01 | 451.86 | MH-16006 | MH-16007 | 447.76 | 447.66 | 31 | 900.0 | 0.011 | 3.32 | 1.93 | 300.000 | 51.7406 |
| CO-16007 | 451.86 | 449.98 | MH-16007 | MH-16008 | 447.66 | 447.56 | 29 | 900.0 | 0.011 | 2.41 | 1.93 | 300.000 | 51.7408 |
| CO-16008 | 449.98 | 450.01 | MH-16008 | OF-4 | 447.56 | 447.46 | 31 | 900.0 | 0.011 | 1.58 | 1.93 | 300.000 | 51.7411 |

Hydraulic Model Inventory: Total Zone 3.stsw

| | |
|----------|--|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city Zone III |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|--|
| ID | 19686 |
| Label | Property Inference Scenario - 2 |
| Notes | |
| Active Topology | <I> Base Active Topology |
| User Data Extensions | <I> Base User Data Extensions |
| Physical | Physical Alternative - 1 - Property Inference Scenario - 2 |
| Boundary Condition | <I> Base Boundary Condition |
| Initial Settings | <I> Base Initial Settings |
| Hydrology | <I> Base Hydrology |
| Output | <I> Base Output |
| Infiltration and Inflow | <I> Base Infiltration and Inflow |
| Rainfall Runoff | <I> Base Rainfall Runoff |
| Water Quality | <I> Base Water Quality |
| Sanitary Loading | <I> Base |
| Headloss | <I> Base Headloss |
| Operational | <I> Base Operational |
| Design | <I> Base |
| System Flows | <I> Base System Flows |
| SCADA | <I> Base SCADA |
| Energy Cost | <I> Base Energy Cost |
| Solver Calculation Options | <I> Base Calculation Options |

Network Inventory

| | | | |
|----------------------|-----|---------------------------------|---|
| Conduits | 136 | Taps | 0 |
| -Circle | 136 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 2 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 136 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|-------|-------------------|-------|
| Circle - 250.0 mm | 265 m | Circle - 450.0 mm | 25 m |
| Circle - 300.0 mm | 863 m | Circle - 500.0 mm | 532 m |
| Circle - 350.0 mm | 884 m | Circle - 600.0 mm | 215 m |

Hydraulic Model Inventory: Total Zone 3.stsw

| Circle Inventory | | | |
|-------------------|-------|--------------|---------|
| Circle - 400.0 mm | 631 m | Total Length | 3,415 m |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-2251 | 466.25 | 466.07 | MH-2240 | MH-2253 | 461.65 | 461.47 | 37 | 250.0 | 0.011 | 4.36 | 1.11 | 200.000 | 3.27 |
| CO-2254 | 466.07 | 465.85 | MH-2253 | MH-2256 | 461.42 | 461.35 | 22 | 300.0 | 0.011 | 4.28 | 0.91 | 350.000 | 3.31 |
| CO-2255 | 465.85 | 465.08 | MH-2256 | MH-2257 | 461.35 | 461.27 | 29 | 300.0 | 0.011 | 3.85 | 0.91 | 350.000 | 3.31 |
| CO-2256 | 465.08 | 464.23 | MH-2257 | MH-2258 | 461.27 | 461.20 | 23 | 300.0 | 0.011 | 3.12 | 0.91 | 350.000 | 3.31 |
| CO-2257 | 464.23 | 463.26 | MH-2258 | MH-2259 | 461.20 | 461.15 | 18 | 300.0 | 0.011 | 2.26 | 0.91 | 350.000 | 3.31 |
| CO-2263 | 463.26 | 462.95 | MH-2259 | MH-2265 | 461.15 | 461.08 | 26 | 300.0 | 0.011 | 1.69 | 0.92 | 350.000 | 3.42 |
| CO-1082 | 462.95 | 462.90 | MH-2265 | MH-2268 | 461.08 | 461.03 | 16 | 300.0 | 0.011 | 1.57 | 0.92 | 350.000 | 3.46 |
| CO-2267 | 462.90 | 461.64 | MH-2268 | MH-2269 | 459.10 | 458.00 | 34 | 300.0 | 0.011 | 3.42 | 2.24 | 31.311 | 3.46 |
| CO-2295 | 461.64 | 460.78 | MH-2269 | MH-2297 | 458.00 | 457.83 | 33 | 300.0 | 0.011 | 2.99 | 1.17 | 200.000 | 3.84 |
| CO-2296 | 460.78 | 460.37 | MH-2297 | MH-2298 | 457.83 | 457.77 | 22 | 300.0 | 0.011 | 2.47 | 0.94 | 350.000 | 3.84 |
| CO-2297 | 460.37 | 460.03 | MH-2298 | MH-2299 | 457.77 | 457.71 | 21 | 300.0 | 0.011 | 2.16 | 0.94 | 350.000 | 3.84 |
| CO-2298 | 460.03 | 459.57 | MH-2299 | MH-2300 | 457.00 | 456.85 | 30 | 300.0 | 0.011 | 2.57 | 1.17 | 200.000 | 3.84 |
| CO-2299 | 459.57 | 458.71 | MH-2300 | MH-2301 | 456.85 | 456.76 | 32 | 300.0 | 0.011 | 2.03 | 0.94 | 350.000 | 3.84 |
| CO-2318 | 458.71 | 458.81 | MH-2301 | MH-2320 | 455.60 | 455.51 | 17 | 300.0 | 0.011 | 2.90 | 1.19 | 200.000 | 4.14 |
| CO-2321 | 458.81 | 458.46 | MH-2320 | MH-2323 | 455.51 | 455.47 | 17 | 300.0 | 0.011 | 2.85 | 0.96 | 350.000 | 4.18 |
| CO-2332 | 458.46 | 457.73 | MH-2323 | MH-2334 | 455.47 | 455.39 | 26 | 300.0 | 0.011 | 2.37 | 0.96 | 350.000 | 4.32 |
| CO-2333 | 457.73 | 456.98 | MH-2334 | MH-2335 | 455.39 | 455.30 | 32 | 300.0 | 0.011 | 1.71 | 0.96 | 350.000 | 4.32 |
| CO-2335 | 456.98 | 456.56 | MH-2335 | MH-2337 | 454.37 | 454.21 | 31 | 300.0 | 0.011 | 2.18 | 1.21 | 200.000 | 4.36 |
| CO-2344 | 456.56 | 456.10 | MH-2337 | MH-2346 | 454.21 | 454.12 | 33 | 300.0 | 0.011 | 1.86 | 0.97 | 350.000 | 4.48 |
| CO-2345 | 456.10 | 455.38 | MH-2346 | MH-2347 | 454.12 | 454.05 | 22 | 300.0 | 0.011 | 1.35 | 0.97 | 350.000 | 4.48 |
| CO-2367 | 455.38 | 455.20 | MH-2347 | MH-2369 | 454.05 | 453.95 | 30 | 300.0 | 0.011 | 0.99 | 1.08 | 280.389 | 4.77 |
| CO-2369 | 455.20 | 454.93 | MH-2369 | MH-2371 | 453.39 | 453.25 | 29 | 300.0 | 0.011 | 1.45 | 1.23 | 200.000 | 4.80 |
| CO-2373 | 454.93 | 454.78 | MH-2371 | MH-2375 | 453.25 | 453.19 | 20 | 300.0 | 0.011 | 1.34 | 0.98 | 350.000 | 4.85 |
| CO-2385 | 454.78 | 454.61 | MH-2375 | MH-2387 | 453.19 | 453.10 | 30 | 300.0 | 0.011 | 1.25 | 0.98 | 350.000 | 5.04 |
| CO-2395 | 454.61 | 454.91 | MH-2387 | MH-2397 | 453.10 | 453.03 | 25 | 300.0 | 0.011 | 1.40 | 0.98 | 350.000 | 5.10 |
| CO-2396 | 454.91 | 454.40 | MH-2397 | MH-2398 | 453.03 | 452.97 | 20 | 300.0 | 0.011 | 1.35 | 0.98 | 350.000 | 5.14 |
| CO-2400 | 454.40 | 454.36 | MH-2398 | MH-2402 | 452.92 | 452.83 | 33 | 350.0 | 0.011 | 1.16 | 1.02 | 350.000 | 5.20 |
| CO-2432 | 454.36 | 454.54 | MH-2402 | MH-2434 | 451.53 | 451.43 | 20 | 350.0 | 0.011 | 2.62 | 1.29 | 200.000 | 5.62 |
| CO-2433 | 454.54 | 454.73 | MH-2434 | MH-2435 | 451.43 | 451.39 | 13 | 350.0 | 0.011 | 2.88 | 1.04 | 350.000 | 5.62 |
| CO-2434 | 454.73 | 454.26 | MH-2435 | MH-2436 | 451.39 | 451.31 | 30 | 350.0 | 0.011 | 2.80 | 1.04 | 350.000 | 5.62 |

Total Zone 3.stsw
03-09-2019

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Bentley SewerGEMS CONNECT Edition
[10.00.00.40]
Page 1 of 5

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-2438 | 454.26 | 454.17 | MH-2436 | MH-2440 | 451.31 | 451.23 | 25 | 350.0 | 0.011 | 2.60 | 1.04 | 350.000 | 5.70 |
| CO-2439 | 454.17 | 453.92 | MH-2440 | MH-2441 | 451.23 | 451.17 | 23 | 350.0 | 0.011 | 2.49 | 1.04 | 350.000 | 5.70 |
| CO-2481 | 453.92 | 453.85 | MH-2441 | MH-2483 | 451.17 | 451.10 | 23 | 350.0 | 0.011 | 2.40 | 1.06 | 350.000 | 6.25 |
| CO-2484 | 453.85 | 453.61 | MH-2483 | MH-2486 | 451.10 | 451.02 | 31 | 350.0 | 0.011 | 2.32 | 1.06 | 350.000 | 6.29 |
| CO-2485 | 453.61 | 453.46 | MH-2486 | MH-2487 | 451.02 | 450.91 | 36 | 350.0 | 0.011 | 2.22 | 1.06 | 350.000 | 6.29 |
| CO-2486 | 453.46 | 453.49 | MH-2487 | MH-2488 | 450.91 | 450.84 | 26 | 350.0 | 0.011 | 2.25 | 1.06 | 350.000 | 6.29 |
| CO-2487 | 453.49 | 453.77 | MH-2488 | MH-2489 | 450.38 | 450.28 | 20 | 350.0 | 0.011 | 2.95 | 1.28 | 200.000 | 5.50 |
| CO-2488 | 453.77 | 452.76 | MH-2489 | MH-2490 | 450.28 | 450.20 | 29 | 350.0 | 0.011 | 2.68 | 1.03 | 350.000 | 5.50 |
| CO-2489 | 452.76 | 452.40 | MH-2490 | MH-2491 | 450.20 | 450.14 | 21 | 350.0 | 0.011 | 2.06 | 1.03 | 350.000 | 5.50 |
| CO-2490 | 452.40 | 451.65 | MH-2491 | MH-2492 | 449.50 | 449.36 | 29 | 350.0 | 0.011 | 2.25 | 1.28 | 200.000 | 5.53 |
| CO-2491 | 451.65 | 451.84 | MH-2492 | MH-2493 | 449.36 | 449.27 | 30 | 350.0 | 0.011 | 2.08 | 1.03 | 350.000 | 5.53 |
| CO-2492 | 451.84 | 452.09 | MH-2493 | MH-2494 | 449.27 | 449.19 | 29 | 350.0 | 0.011 | 2.38 | 1.03 | 350.000 | 5.53 |
| CO-2493 | 452.09 | 452.35 | MH-2494 | MH-2495 | 449.19 | 449.10 | 30 | 350.0 | 0.011 | 2.72 | 1.03 | 350.000 | 5.53 |
| CO-1098 | 452.35 | 452.45 | MH-2495 | MH-1094 | 449.10 | 449.05 | 20 | 350.0 | 0.011 | 2.98 | 1.04 | 350.000 | 5.62 |
| CO-1099 | 452.45 | 452.55 | MH-1094 | MH-2496 | 449.05 | 448.98 | 22 | 350.0 | 0.011 | 3.14 | 1.04 | 350.000 | 5.62 |
| CO-2495 | 452.55 | 452.85 | MH-2496 | OF-5 | 448.98 | 448.89 | 32 | 350.0 | 0.011 | 3.41 | 1.04 | 350.000 | 5.62 |
| CO-964 | 460.83 | 460.51 | MH-950 | MH-963 | 458.00 | 457.89 | 21 | 250.0 | 0.011 | 2.47 | 1.12 | 200.000 | 3.43 |
| CO-974 | 460.51 | 460.41 | MH-963 | MH-973 | 457.84 | 457.79 | 19 | 300.0 | 0.011 | 2.34 | 0.93 | 350.000 | 3.56 |
| CO-975 | 460.41 | 460.00 | MH-973 | MH-974 | 457.79 | 457.70 | 30 | 300.0 | 0.011 | 2.16 | 0.93 | 350.000 | 3.56 |
| CO-976 | 460.00 | 459.52 | MH-974 | MH-975 | 457.70 | 457.62 | 31 | 300.0 | 0.011 | 1.80 | 0.93 | 350.000 | 3.57 |
| CO-977 | 459.52 | 459.13 | MH-975 | MH-976 | 457.62 | 457.55 | 24 | 300.0 | 0.011 | 1.44 | 0.93 | 350.000 | 3.57 |
| CO-1010 | 459.13 | 458.67 | MH-976 | MH-1008 | 457.55 | 457.42 | 19 | 300.0 | 0.011 | 1.12 | 1.29 | 146.137 | 3.57 |
| CO-1013 | 458.67 | 458.18 | MH-1008 | MH-1011 | 457.14 | 456.93 | 16 | 300.0 | 0.011 | 1.09 | 1.61 | 80.000 | 3.57 |
| CO-1014 | 458.18 | 457.81 | MH-1011 | MH-1012 | 456.81 | 456.56 | 20 | 300.0 | 0.011 | 1.01 | 1.61 | 80.000 | 3.57 |
| CO-1016 | 457.81 | 457.91 | MH-1012 | MH-1014 | 456.56 | 456.49 | 23 | 300.0 | 0.011 | 1.03 | 0.93 | 350.000 | 3.57 |
| CO-1021 | 457.91 | 457.46 | MH-1014 | MH-1019 | 453.00 | 452.91 | 17 | 300.0 | 0.011 | 4.43 | 1.15 | 200.000 | 3.57 |
| CO-1022 | 457.46 | 456.55 | MH-1019 | MH-1020 | 452.91 | 452.84 | 26 | 300.0 | 0.011 | 3.83 | 0.93 | 350.000 | 3.57 |
| CO-1731 | 456.55 | 455.98 | MH-1020 | MH-1478 | 452.79 | 452.75 | 12 | 400.0 | 0.011 | 3.09 | 1.02 | 350.000 | 5.17 |
| CO-1484 | 455.98 | 455.48 | MH-1478 | MH-1479 | 452.75 | 452.69 | 21 | 400.0 | 0.011 | 2.61 | 1.02 | 350.000 | 5.17 |
| CO-1485 | 455.48 | 455.07 | MH-1479 | MH-1480 | 452.69 | 452.61 | 29 | 400.0 | 0.011 | 2.22 | 1.02 | 350.000 | 5.17 |

Total Zone 3.stsw
03-09-2019

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203-755-1666

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[10.00.00.40]
Page 2 of 5

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-1486 | 455.07 | 454.71 | MH-1480 | MH-1481 | 452.61 | 452.56 | 17 | 400.0 | 0.011 | 1.91 | 1.02 | 350.000 | 5.17 |
| CO-1489 | 454.71 | 454.43 | MH-1481 | MH-1484 | 452.56 | 452.48 | 30 | 400.0 | 0.011 | 1.65 | 1.02 | 350.000 | 5.26 |
| CO-1511 | 454.43 | 454.17 | MH-1484 | MH-1506 | 452.48 | 452.42 | 20 | 400.0 | 0.011 | 1.45 | 1.04 | 350.000 | 5.56 |
| CO-1512 | 454.17 | 453.99 | MH-1506 | MH-1507 | 452.42 | 452.34 | 26 | 400.0 | 0.011 | 1.30 | 1.04 | 350.000 | 5.56 |
| CO-1513 | 453.99 | 453.88 | MH-1507 | MH-1508 | 452.34 | 452.26 | 28 | 400.0 | 0.011 | 1.23 | 1.04 | 350.000 | 5.56 |
| CO-1514 | 454.10 | 454.15 | MH-1509 | MH-1510 | 451.00 | 450.85 | 31 | 350.0 | 0.011 | 2.85 | 1.14 | 200.000 | 3.64 |
| CO-1515 | 454.15 | 454.12 | MH-1510 | MH-1511 | 450.80 | 450.70 | 34 | 350.0 | 0.011 | 3.04 | 0.93 | 350.000 | 3.64 |
| CO-1516 | 454.12 | 454.03 | MH-1511 | MH-1512 | 450.70 | 450.62 | 29 | 350.0 | 0.011 | 3.07 | 0.93 | 350.000 | 3.64 |
| CO-1517 | 454.03 | 454.02 | MH-1512 | MH-1513 | 450.62 | 450.54 | 27 | 350.0 | 0.011 | 3.10 | 0.93 | 350.000 | 3.64 |
| CO-1518 | 454.02 | 453.81 | MH-1513 | MH-1514 | 450.54 | 450.45 | 30 | 350.0 | 0.011 | 3.07 | 0.93 | 350.000 | 3.64 |
| CO-1519 | 453.81 | 453.80 | MH-1514 | MH-1515 | 450.45 | 450.37 | 30 | 350.0 | 0.011 | 3.04 | 0.93 | 350.000 | 3.64 |
| CO-1520 | 453.80 | 454.05 | MH-1515 | MH-1516 | 450.37 | 450.28 | 30 | 350.0 | 0.011 | 3.25 | 0.93 | 350.000 | 3.64 |
| CO-1564 | 454.05 | 454.10 | MH-1516 | MH-1559 | 450.28 | 450.22 | 21 | 350.0 | 0.011 | 3.47 | 0.96 | 350.000 | 4.30 |
| CO-1565 | 454.10 | 454.17 | MH-1559 | MH-1560 | 450.22 | 450.14 | 30 | 350.0 | 0.011 | 3.60 | 0.96 | 350.000 | 4.30 |
| CO-1567 | 454.17 | 454.23 | MH-1560 | MH-1562 | 450.14 | 450.06 | 28 | 350.0 | 0.011 | 3.75 | 0.97 | 350.000 | 4.34 |
| CO-1568 | 454.23 | 454.42 | MH-1562 | MH-1563 | 450.06 | 449.99 | 24 | 350.0 | 0.011 | 3.96 | 0.97 | 350.000 | 4.34 |
| CO-1573 | 454.42 | 454.75 | MH-1563 | MH-1568 | 449.99 | 449.93 | 19 | 350.0 | 0.011 | 4.27 | 0.97 | 350.000 | 4.42 |
| CO-1577 | 454.75 | 454.92 | MH-1568 | MH-1572 | 449.93 | 449.85 | 30 | 350.0 | 0.011 | 4.59 | 0.97 | 350.000 | 4.42 |
| CO-1592 | 454.92 | 454.80 | MH-1572 | MH-1587 | 449.85 | 449.78 | 23 | 400.0 | 0.011 | 4.64 | 0.97 | 350.000 | 4.64 |
| CO-1594 | 454.80 | 454.65 | MH-1587 | MH-1589 | 449.78 | 449.70 | 29 | 400.0 | 0.011 | 4.58 | 0.97 | 350.000 | 4.64 |
| CO-1597 | 454.65 | 454.62 | MH-1589 | MH-1592 | 449.70 | 449.66 | 13 | 400.0 | 0.011 | 4.56 | 0.97 | 350.000 | 4.64 |
| CO-1615 | 454.62 | 454.59 | MH-1592 | MH-1610 | 449.66 | 449.58 | 27 | 400.0 | 0.011 | 4.58 | 0.98 | 350.000 | 4.91 |
| CO-1616 | 454.59 | 454.46 | MH-1610 | MH-1611 | 449.58 | 449.50 | 28 | 400.0 | 0.011 | 4.58 | 0.98 | 350.000 | 4.91 |
| CO-1633 | 454.46 | 454.45 | MH-1611 | MH-1628 | 449.50 | 449.42 | 28 | 400.0 | 0.011 | 4.59 | 0.98 | 350.000 | 5.13 |
| CO-1634 | 454.45 | 454.43 | MH-1628 | MH-1629 | 449.42 | 449.34 | 30 | 400.0 | 0.011 | 4.66 | 0.98 | 350.000 | 5.13 |
| CO-1653 | 454.43 | 454.23 | MH-1629 | MH-1648 | 449.29 | 449.23 | 19 | 400.0 | 0.011 | 4.67 | 1.03 | 350.000 | 5.40 |
| CO-1654 | 454.23 | 454.08 | MH-1648 | MH-1649 | 449.23 | 449.15 | 31 | 400.0 | 0.011 | 4.56 | 1.03 | 350.000 | 5.40 |
| CO-1655 | 454.08 | 454.15 | MH-1649 | MH-1650 | 449.15 | 449.06 | 30 | 400.0 | 0.011 | 4.61 | 1.03 | 350.000 | 5.40 |
| CO-1656 | 454.15 | 454.20 | MH-1650 | MH-1651 | 449.06 | 448.99 | 24 | 400.0 | 0.011 | 4.75 | 1.03 | 350.000 | 5.40 |
| CO-1657 | 454.20 | 454.35 | MH-1651 | MH-1652 | 448.99 | 448.93 | 23 | 400.0 | 0.011 | 4.92 | 1.03 | 350.000 | 5.40 |

Total Zone 3.stsw
03-09-2019

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FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-1658 | 454.35 | 454.18 | MH-1652 | MH-1653 | 448.93 | 448.87 | 21 | 400.0 | 0.011 | 4.97 | 1.03 | 350.000 | 5.40 |
| CO-1659 | 454.18 | 454.17 | MH-1653 | MH-1654 | 448.87 | 448.83 | 14 | 400.0 | 0.011 | 4.93 | 1.03 | 350.000 | 5.40 |
| CO-1660 | 454.17 | 453.99 | MH-1654 | MH-1655 | 448.83 | 448.76 | 25 | 400.0 | 0.011 | 4.89 | 1.03 | 350.000 | 5.40 |
| CO-1661 | 453.99 | 453.78 | MH-1655 | MH-1656 | 448.76 | 448.69 | 22 | 400.0 | 0.011 | 4.76 | 1.03 | 350.000 | 5.41 |
| CO-1662 | 453.78 | 453.64 | MH-1656 | MH-1657 | 448.69 | 448.63 | 22 | 400.0 | 0.011 | 4.65 | 1.03 | 350.000 | 5.41 |
| CO-1663 | 453.64 | 453.66 | MH-1657 | MH-1658 | 448.63 | 448.57 | 22 | 400.0 | 0.011 | 4.65 | 1.03 | 350.000 | 5.41 |
| CO-1664 | 453.88 | 453.66 | MH-1508 | MH-1658 | 448.52 | 448.57 | 17 | 400.0 | 0.011 | 4.83 | 1.03 | 350.000 | 5.41 |
| CO-1815 | 453.88 | 453.80 | MH-1508 | MH-1659 | 448.47 | 448.40 | 25 | 450.0 | 0.011 | 4.96 | 1.17 | 350.000 | 9.30 |
| CO-1666 | 453.80 | 453.70 | MH-1659 | MH-1660 | 448.40 | 448.35 | 16 | 500.0 | 0.011 | 4.87 | 1.17 | 350.000 | 9.30 |
| CO-1671 | 453.70 | 453.14 | MH-1660 | MH-1665 | 448.35 | 448.29 | 23 | 500.0 | 0.011 | 4.60 | 1.18 | 350.000 | 9.95 |
| CO-1676 | 453.14 | 452.63 | MH-1665 | MH-1670 | 448.29 | 448.21 | 26 | 500.0 | 0.011 | 4.13 | 1.18 | 350.000 | 10.01 |
| CO-1677 | 452.63 | 452.18 | MH-1670 | MH-1671 | 448.21 | 448.16 | 20 | 500.0 | 0.011 | 3.72 | 1.18 | 350.000 | 10.01 |
| CO-1705 | 452.18 | 451.79 | MH-1671 | MH-1699 | 448.16 | 448.07 | 29 | 500.0 | 0.011 | 3.37 | 1.19 | 350.000 | 10.34 |
| CO-1706 | 451.79 | 451.72 | MH-1699 | MH-1477 | 448.07 | 448.02 | 20 | 500.0 | 0.011 | 3.21 | 1.19 | 350.000 | 10.34 |
| CO-1483 | 451.72 | 451.52 | MH-1477 | MH-1476 | 448.02 | 447.94 | 27 | 500.0 | 0.011 | 3.14 | 1.19 | 350.000 | 10.61 |
| CO-1482 | 451.52 | 451.34 | MH-1476 | MH-1473 | 447.94 | 447.86 | 30 | 500.0 | 0.011 | 3.04 | 1.19 | 350.000 | 10.61 |
| CO-1481 | 451.34 | 451.31 | MH-1473 | MH-1444 | 447.86 | 447.77 | 31 | 500.0 | 0.011 | 3.02 | 1.19 | 350.000 | 10.75 |
| CO-1450 | 451.31 | 451.24 | MH-1444 | MH-1443 | 447.72 | 447.65 | 25 | 500.0 | 0.011 | 3.10 | 1.26 | 350.000 | 12.30 |
| CO-1449 | 451.24 | 451.31 | MH-1443 | MH-1442 | 447.65 | 447.56 | 30 | 500.0 | 0.011 | 3.17 | 1.26 | 350.000 | 12.30 |
| CO-1448 | 451.31 | 451.24 | MH-1442 | MH-1441 | 447.56 | 447.47 | 30 | 500.0 | 0.011 | 3.26 | 1.26 | 350.000 | 12.30 |
| CO-1447 | 451.24 | 451.32 | MH-1441 | MH-1204 | 447.47 | 447.43 | 16 | 500.0 | 0.011 | 3.33 | 1.26 | 350.000 | 12.30 |
| CO-1446 | 451.32 | 451.40 | MH-1204 | MH-1207 | 447.43 | 447.39 | 15 | 500.0 | 0.011 | 3.45 | 1.26 | 350.000 | 12.30 |
| CO-1730 | 451.40 | 451.57 | MH-1207 | MH-1211 | 447.39 | 447.33 | 19 | 500.0 | 0.011 | 3.62 | 1.26 | 350.000 | 12.33 |
| CO-1215 | 451.57 | 451.63 | MH-1211 | MH-1212 | 447.33 | 447.27 | 21 | 500.0 | 0.011 | 3.80 | 1.26 | 350.000 | 12.36 |
| CO-1216 | 451.63 | 451.76 | MH-1212 | MH-1213 | 447.27 | 447.20 | 24 | 500.0 | 0.011 | 3.96 | 1.26 | 350.000 | 12.36 |
| CO-1220 | 451.76 | 451.70 | MH-1213 | MH-1217 | 447.20 | 447.13 | 27 | 500.0 | 0.011 | 4.06 | 1.26 | 350.000 | 12.42 |
| CO-1221 | 451.70 | 451.84 | MH-1217 | MH-1218 | 447.13 | 447.04 | 31 | 500.0 | 0.011 | 4.19 | 1.26 | 350.000 | 12.42 |
| CO-1228 | 451.84 | 452.04 | MH-1218 | MH-1225 | 447.04 | 446.96 | 29 | 500.0 | 0.011 | 4.44 | 1.26 | 350.000 | 12.51 |
| CO-1229 | 452.04 | 452.26 | MH-1225 | MH-1226 | 446.96 | 446.88 | 28 | 500.0 | 0.011 | 4.73 | 1.26 | 350.000 | 12.51 |
| CO-1230 | 452.26 | 452.10 | MH-1226 | MH-1227 | 446.88 | 446.83 | 17 | 500.0 | 0.011 | 4.82 | 1.26 | 350.000 | 12.51 |

Total Zone 3.stsw
03-09-2019

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[10.00.00.40]
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FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-1080 | 452.76 | 452.10 | MH-1076 | MH-1077 | 450.81 | 450.90 | 31 | 250.0 | 0.011 | 1.32 | 0.83 | 350.000 | 2.25 |
| CO-1079 | 453.41 | 452.76 | MH-1075 | MH-1076 | 450.72 | 450.81 | 31 | 250.0 | 0.011 | 2.07 | 0.83 | 350.000 | 2.25 |
| CO-1078 | 454.09 | 453.41 | MH-1074 | MH-1075 | 450.63 | 450.72 | 32 | 250.0 | 0.011 | 2.83 | 0.85 | 350.000 | 2.64 |
| CO-1077 | 453.66 | 454.09 | MH-1073 | MH-1074 | 450.54 | 450.63 | 31 | 250.0 | 0.011 | 3.04 | 0.85 | 350.000 | 2.64 |
| CO-1076 | 453.16 | 453.66 | MH-1072 | MH-1073 | 450.45 | 450.54 | 31 | 250.0 | 0.011 | 2.66 | 0.85 | 350.000 | 2.64 |
| CO-1075 | 452.68 | 453.16 | MH-1071 | MH-1072 | 450.38 | 450.45 | 27 | 250.0 | 0.011 | 2.26 | 0.85 | 350.000 | 2.64 |
| CO-1074 | 452.10 | 452.68 | MH-1227 | MH-1071 | 450.31 | 450.38 | 24 | 250.0 | 0.011 | 1.80 | 0.86 | 350.000 | 2.76 |
| CO-1445 | 452.10 | 451.93 | MH-1227 | MH-1438 | 446.78 | 446.70 | 28 | 600.0 | 0.011 | 4.68 | 1.33 | 350.000 | 15.43 |
| CO-1442 | 451.93 | 451.72 | MH-1438 | MH-1431 | 446.70 | 446.64 | 21 | 600.0 | 0.011 | 4.56 | 1.33 | 350.000 | 15.43 |
| CO-1435 | 451.72 | 451.58 | MH-1431 | MH-1429 | 446.64 | 446.58 | 22 | 600.0 | 0.011 | 4.44 | 1.33 | 350.000 | 15.46 |
| CO-1433 | 451.58 | 451.49 | MH-1429 | MH-1428 | 446.58 | 446.51 | 24 | 600.0 | 0.011 | 4.39 | 1.33 | 350.000 | 15.48 |
| CO-1432 | 451.49 | 451.50 | MH-1428 | MH-1424 | 446.51 | 446.46 | 18 | 600.0 | 0.011 | 4.41 | 1.33 | 350.000 | 15.48 |
| CO-1428 | 451.50 | 451.74 | MH-1424 | MH-1423 | 446.46 | 446.39 | 22 | 600.0 | 0.011 | 4.59 | 1.33 | 350.000 | 15.54 |
| CO-1427 | 451.74 | 451.93 | MH-1423 | MH-1421 | 446.39 | 446.31 | 30 | 600.0 | 0.011 | 4.89 | 1.33 | 350.000 | 15.54 |
| CO-1072 | 451.93 | 452.83 | MH-1421 | MH-1070 | 446.31 | 446.24 | 23 | 600.0 | 0.011 | 5.51 | 1.34 | 350.000 | 15.63 |
| CO-1073 | 452.83 | 452.79 | MH-1070 | OF-3 | 446.24 | 446.17 | 26 | 600.0 | 0.011 | 6.01 | 1.34 | 350.000 | 15.63 |

Hydraulic Model Inventory: Zone IV.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed and Unsewered pockets in Old area of Solapur city Zone IV |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|------------------------------|
| ID | 1 |
| Label | Base |
| Notes | |
| Active Topology | Base Active Topology |
| User Data Extensions | Base User Data Extensions |
| Physical | Base Physical |
| Boundary Condition | Base Boundary Condition |
| Initial Settings | Base Initial Settings |
| Hydrology | Base Hydrology |
| Output | Base Output |
| Infiltration and Inflow | Base Infiltration and Inflow |
| Rainfall Runoff | Base Rainfall Runoff |
| Water Quality | Base Water Quality |
| Sanitary Loading | Base |
| Headloss | Base Headloss |
| Operational | Base Operational |
| Design | Base |
| System Flows | Base System Flows |
| SCADA | Base SCADA |
| Energy Cost | Base Energy Cost |
| Solver Calculation Options | Base Calculation Options |

Network Inventory

| | | | |
|----------------------|----|---------------------------------|---|
| Conduits | 18 | Taps | 0 |
| -Circle | 18 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 1 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 18 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|-------|--------------|-------|
| Circle - 250.0 mm | 22 m | Total Length | 478 m |
| Circle - 300.0 mm | 456 m | | |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|--------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-497 | 445.80 | 445.77 | MH-324 | MH-304 | 442.50 | 442.39 | 22 | 300.0 | 0.011 | 3.04 | 1.15 | 200.000 | 3.99 |
| CO-300 | 445.77 | 445.74 | MH-304 | MH-305 | 442.34 | 442.22 | 31 | 300.0 | 0.011 | 3.18 | 1.08 | 250.000 | 3.99 |
| CO-301 | 445.74 | 445.70 | MH-305 | MH-306 | 442.22 | 442.13 | 22 | 300.0 | 0.011 | 3.25 | 1.08 | 250.000 | 3.99 |
| CO-334 | 445.70 | 445.67 | MH-306 | MH-338 | 442.13 | 442.01 | 31 | 300.0 | 0.011 | 3.32 | 1.09 | 250.000 | 4.05 |
| CO-506 | 445.67 | 445.64 | MH-338 | MH-506 | 442.01 | 441.92 | 21 | 300.0 | 0.011 | 3.39 | 1.09 | 250.000 | 4.05 |
| CO-507 | 445.64 | 445.60 | MH-506 | MH-339 | 441.92 | 441.84 | 19 | 300.0 | 0.011 | 3.44 | 1.09 | 250.000 | 4.05 |
| CO-356 | 445.60 | 445.57 | MH-339 | MH-360 | 441.84 | 441.74 | 25 | 300.0 | 0.011 | 3.49 | 1.09 | 250.000 | 4.15 |
| CO-357 | 445.57 | 445.54 | MH-360 | MH-361 | 441.74 | 441.62 | 30 | 300.0 | 0.011 | 3.57 | 1.09 | 250.000 | 4.15 |
| CO-443 | 445.54 | 445.50 | MH-361 | MH-450 | 441.62 | 441.50 | 30 | 300.0 | 0.011 | 3.66 | 1.10 | 250.000 | 4.25 |
| CO-444 | 445.50 | 445.47 | MH-450 | MH-451 | 441.50 | 441.40 | 25 | 300.0 | 0.011 | 3.73 | 1.10 | 250.000 | 4.25 |
| CO-464 | 445.47 | 445.74 | MH-451 | MH-303 | 441.40 | 441.28 | 30 | 300.0 | 0.011 | 3.96 | 1.10 | 250.000 | 4.32 |
| CO-465 | 445.74 | 445.40 | MH-303 | MH-461 | 441.28 | 441.20 | 21 | 300.0 | 0.011 | 4.03 | 1.12 | 250.000 | 4.65 |
| CO-466 | 445.40 | 445.37 | MH-461 | MH-472 | 441.20 | 441.06 | 34 | 300.0 | 0.011 | 3.95 | 1.13 | 250.000 | 4.80 |
| CO-467 | 445.37 | 445.34 | MH-472 | MH-473 | 441.06 | 440.94 | 30 | 300.0 | 0.011 | 4.05 | 1.13 | 250.000 | 4.80 |
| CO-489 | 445.34 | 445.30 | MH-473 | MH-495 | 440.94 | 440.84 | 27 | 300.0 | 0.011 | 4.13 | 1.13 | 250.000 | 4.80 |
| CO-490 | 445.30 | 445.27 | MH-495 | MH-496 | 440.84 | 440.76 | 20 | 300.0 | 0.011 | 4.19 | 1.13 | 250.000 | 4.80 |
| CO-508 | 445.27 | 445.24 | MH-496 | MH-507 | 440.76 | 440.66 | 25 | 300.0 | 0.011 | 4.25 | 1.13 | 250.000 | 4.83 |
| CO-509 | 445.24 | 445.20 | MH-507 | OF-4 | 440.66 | 440.52 | 35 | 300.0 | 0.011 | 4.33 | 1.13 | 250.000 | 4.83 |

Hydraulic Model Inventory: Zone VI.stsw

| | |
|----------|---|
| Title | Providing Sewerage Scheme for newly developed area of Solapur city Zone VI |
| Engineer | Prasad |
| Company | Unity Consultant Pvt.Ltd,Pune |
| Date | 26-06-2019 |
| Notes | |

Scenario Summary

| | |
|----------------------------|--|
| ID | 27781 |
| Label | Property Inference Scenario - 1 |
| Notes | |
| Active Topology | <I> Base Active Topology |
| User Data Extensions | <I> Base User Data Extensions |
| Physical | Physical Alternative - 1 - Property Inference Scenario - 1 |
| Boundary Condition | <I> Base Boundary Condition |
| Initial Settings | <I> Base Initial Settings |
| Hydrology | <I> Base Hydrology |
| Output | <I> Base Output |
| Infiltration and Inflow | <I> Base Infiltration and Inflow |
| Rainfall Runoff | <I> Base Rainfall Runoff |
| Water Quality | <I> Base Water Quality |
| Sanitary Loading | <I> Base |
| Headloss | <I> Base Headloss |
| Operational | <I> Base Operational |
| Design | <I> Base |
| System Flows | <I> Base System Flows |
| SCADA | <I> Base SCADA |
| Energy Cost | <I> Base Energy Cost |
| Solver Calculation Options | <I> Base Calculation Options |

Network Inventory

| | | | |
|----------------------|----|------------------------------------|---|
| Conduits | 82 | Taps | 0 |
| -Circle | 82 | Transitions | 0 |
| -Box | 0 | Cross Sections | 0 |
| -Ellipse | 0 | Outfalls | 2 |
| -Virtual | 0 | Catchments | 0 |
| -Irregular Channel | 0 | Low Impact Development Controls | 0 |
| -Trapezoidal Channel | 0 | Ponds | 0 |
| -Triangular Channel | 0 | Pond Outlet Structures | 0 |
| -Rectangular Channel | 0 | Headwalls | 0 |
| -Pipe-Arch | 0 | Pumps | 0 |
| Laterals | 0 | Wet Wells | 0 |
| Channels | 0 | Pressure Junctions | 0 |
| Gutters | 0 | SCADA Elements | 0 |
| Pressure Pipes | 0 | Pump Stations | 0 |
| Catch Basins | 0 | Variable Speed Pump Batteries | 0 |
| Manholes | 82 | Air Valves | 0 |
| Property Connections | 0 | | |

Circle Inventory

| | | | |
|-------------------|-------|-------------------|---------|
| Circle - 250.0 mm | 314 m | Circle - 400.0 mm | 394 m |
| Circle - 300.0 mm | 115 m | Circle - 450.0 mm | 661 m |
| Circle - 350.0 mm | 824 m | Total Length | 2,308 m |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-3309 | 468.94 | 467.00 | MH-3131 | MH-3312 | 466.06 | 465.80 | 21 | 250.0 | 0.010 | 1.79 | 1.51 | 80.000 | 2.02 |
| CO-3310 | 467.00 | 469.04 | MH-3312 | MH-3313 | 465.00 | 464.89 | 22 | 250.0 | 0.010 | 2.82 | 1.06 | 200.000 | 2.02 |
| CO-3518 | 469.04 | 468.96 | MH-3313 | MH-3519 | 464.79 | 464.71 | 23 | 250.0 | 0.011 | 4.00 | 0.99 | 300.000 | 3.69 |
| CO-3519 | 468.96 | 468.85 | MH-3519 | MH-3520 | 464.71 | 464.60 | 35 | 250.0 | 0.011 | 4.00 | 0.99 | 300.000 | 3.69 |
| CO-3526 | 468.85 | 468.79 | MH-3520 | MH-3527 | 464.60 | 464.54 | 18 | 250.0 | 0.011 | 4.00 | 1.00 | 300.000 | 3.76 |
| CO-3527 | 468.79 | 468.69 | MH-3527 | MH-3528 | 464.54 | 464.43 | 31 | 250.0 | 0.011 | 4.00 | 1.00 | 300.000 | 3.76 |
| CO-3561 | 468.69 | 468.58 | MH-3528 | MH-3562 | 464.43 | 464.32 | 34 | 250.0 | 0.011 | 4.01 | 1.04 | 300.000 | 4.55 |
| CO-3584 | 468.58 | 468.50 | MH-3562 | MH-3585 | 464.32 | 464.24 | 26 | 300.0 | 0.011 | 3.96 | 1.04 | 300.000 | 4.73 |
| CO-3585 | 468.50 | 468.41 | MH-3585 | MH-3586 | 464.24 | 464.14 | 29 | 300.0 | 0.011 | 3.96 | 1.04 | 300.000 | 4.73 |
| CO-3586 | 468.41 | 468.31 | MH-3586 | MH-3587 | 464.14 | 464.04 | 30 | 300.0 | 0.011 | 3.97 | 1.04 | 300.000 | 4.73 |
| CO-3587 | 468.31 | 468.21 | MH-3587 | MH-3588 | 464.04 | 463.94 | 31 | 300.0 | 0.011 | 3.97 | 1.04 | 300.000 | 4.73 |
| CO-3588 | 468.21 | 468.31 | MH-3588 | MH-3589 | 463.94 | 463.84 | 30 | 350.0 | 0.011 | 4.02 | 1.04 | 300.000 | 4.73 |
| CO-3597 | 468.31 | 467.71 | MH-3589 | MH-3598 | 463.84 | 463.74 | 30 | 350.0 | 0.011 | 3.87 | 1.05 | 300.000 | 4.84 |
| CO-3598 | 467.71 | 467.22 | MH-3598 | MH-3599 | 463.74 | 463.64 | 31 | 350.0 | 0.011 | 3.43 | 1.05 | 300.000 | 4.84 |
| CO-3599 | 467.22 | 467.55 | MH-3599 | MH-3600 | 463.64 | 463.54 | 29 | 350.0 | 0.011 | 3.44 | 1.05 | 300.000 | 4.84 |
| CO-3600 | 467.55 | 468.58 | MH-3600 | MH-3601 | 463.54 | 463.44 | 30 | 350.0 | 0.011 | 4.22 | 1.05 | 300.000 | 4.84 |
| CO-3601 | 468.58 | 467.75 | MH-3601 | MH-3602 | 463.44 | 463.34 | 30 | 350.0 | 0.011 | 4.42 | 1.05 | 300.000 | 4.84 |
| CO-3617 | 467.75 | 467.82 | MH-3602 | MH-3618 | 463.34 | 463.23 | 31 | 350.0 | 0.011 | 4.14 | 1.05 | 300.000 | 5.00 |
| CO-3618 | 467.82 | 467.33 | MH-3618 | MH-3619 | 463.23 | 463.13 | 30 | 350.0 | 0.011 | 4.04 | 1.05 | 300.000 | 5.00 |
| CO-3632 | 467.33 | 467.21 | MH-3619 | MH-3633 | 463.13 | 463.03 | 30 | 350.0 | 0.011 | 3.83 | 1.05 | 300.000 | 5.00 |
| CO-3641 | 467.21 | 467.38 | MH-3633 | MH-3642 | 463.03 | 462.96 | 24 | 350.0 | 0.011 | 3.95 | 1.05 | 300.000 | 5.00 |
| CO-1383 | 467.38 | 467.79 | MH-3642 | MH-1368 | 462.91 | 462.80 | 31 | 350.0 | 0.013 | 4.38 | 0.98 | 300.000 | 6.20 |
| CO-1384 | 467.79 | 467.51 | MH-1368 | MH-1369 | 462.80 | 462.70 | 32 | 350.0 | 0.013 | 4.55 | 0.98 | 300.000 | 6.26 |
| CO-1385 | 467.51 | 467.33 | MH-1369 | MH-1370 | 462.70 | 462.59 | 32 | 350.0 | 0.013 | 4.42 | 0.99 | 300.000 | 6.32 |
| CO-1386 | 467.33 | 467.23 | MH-1370 | MH-1371 | 462.59 | 462.49 | 30 | 350.0 | 0.013 | 4.38 | 0.99 | 300.000 | 6.32 |
| CO-1387 | 467.23 | 467.37 | MH-1371 | MH-1372 | 462.49 | 462.39 | 31 | 350.0 | 0.013 | 4.50 | 0.99 | 300.000 | 6.40 |
| CO-1388 | 467.37 | 468.07 | MH-1372 | MH-1373 | 462.39 | 462.29 | 30 | 350.0 | 0.013 | 5.03 | 0.99 | 300.000 | 6.40 |
| CO-1389 | 468.07 | 468.89 | MH-1373 | MH-1374 | 462.29 | 462.19 | 30 | 350.0 | 0.013 | 5.89 | 0.99 | 300.000 | 6.40 |
| CO-1390 | 468.89 | 469.80 | MH-1374 | MH-1375 | 462.19 | 462.09 | 30 | 350.0 | 0.013 | 6.85 | 0.99 | 300.000 | 6.40 |
| CO-1391 | 469.80 | 470.58 | MH-1375 | MH-1376 | 462.09 | 461.99 | 30 | 350.0 | 0.013 | 7.80 | 0.99 | 300.000 | 6.40 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-1392 | 470.58 | 470.88 | MH-1376 | MH-1377 | 461.99 | 461.89 | 31 | 350.0 | 0.013 | 8.44 | 0.97 | 300.000 | 5.62 |
| CO-1393 | 470.88 | 470.80 | MH-1377 | OF-4 | 461.89 | 461.79 | 27 | 350.0 | 0.013 | 8.65 | 0.99 | 300.000 | 6.52 |
| CO-1308 | 471.01 | 470.38 | MH-1305 | MH-1306 | 469.43 | 469.13 | 24 | 250.0 | 0.013 | 1.16 | 1.43 | 80.000 | 3.63 |
| CO-1309 | 470.38 | 469.62 | MH-1306 | MH-1307 | 468.65 | 468.37 | 22 | 250.0 | 0.013 | 1.24 | 1.43 | 80.000 | 3.63 |
| CO-1310 | 469.62 | 468.79 | MH-1307 | MH-1308 | 467.94 | 467.54 | 32 | 250.0 | 0.013 | 1.22 | 1.43 | 80.000 | 3.63 |
| CO-1312 | 468.79 | 467.90 | MH-1308 | MH-1310 | 466.99 | 466.65 | 27 | 250.0 | 0.013 | 1.27 | 1.43 | 80.000 | 3.63 |
| CO-1313 | 467.90 | 467.69 | MH-1310 | MH-1309 | 466.65 | 466.44 | 25 | 250.0 | 0.013 | 1.00 | 1.25 | 113.414 | 3.63 |
| CO-1314 | 467.69 | 467.82 | MH-1309 | MH-1311 | 466.34 | 466.23 | 32 | 350.0 | 0.013 | 1.12 | 0.96 | 300.000 | 5.42 |
| CO-1315 | 467.82 | 467.60 | MH-1311 | MH-1312 | 466.23 | 466.13 | 29 | 350.0 | 0.013 | 1.18 | 0.96 | 300.000 | 5.42 |
| CO-1316 | 467.60 | 467.51 | MH-1312 | MH-1313 | 466.13 | 466.06 | 22 | 350.0 | 0.013 | 1.10 | 0.96 | 300.000 | 5.42 |
| CO-1317 | 467.51 | 467.51 | MH-1313 | MH-1314 | 466.06 | 465.99 | 22 | 350.0 | 0.013 | 1.14 | 0.96 | 300.000 | 5.42 |
| CO-1318 | 467.51 | 467.52 | MH-1314 | MH-1315 | 465.99 | 465.89 | 28 | 350.0 | 0.013 | 1.23 | 0.96 | 300.000 | 5.48 |
| CO-1319 | 467.52 | 467.54 | MH-1315 | MH-1316 | 465.89 | 465.79 | 32 | 350.0 | 0.013 | 1.34 | 0.96 | 300.000 | 5.48 |
| CO-1320 | 467.54 | 467.55 | MH-1316 | MH-1317 | 465.79 | 465.68 | 32 | 350.0 | 0.013 | 1.46 | 0.96 | 300.000 | 5.48 |
| CO-1321 | 467.55 | 467.56 | MH-1317 | MH-1318 | 465.68 | 465.58 | 29 | 400.0 | 0.013 | 1.52 | 0.96 | 300.000 | 5.55 |
| CO-1322 | 467.56 | 467.58 | MH-1318 | MH-1319 | 465.58 | 465.48 | 32 | 400.0 | 0.013 | 1.64 | 0.96 | 300.000 | 5.55 |
| CO-1324 | 467.58 | 466.11 | MH-1319 | MH-1321 | 465.04 | 464.76 | 23 | 400.0 | 0.013 | 1.54 | 1.66 | 80.000 | 6.55 |
| CO-1325 | 466.11 | 466.06 | MH-1321 | MH-1322 | 464.76 | 464.67 | 26 | 400.0 | 0.013 | 0.97 | 0.99 | 300.000 | 6.55 |
| CO-1326 | 466.06 | 464.83 | MH-1322 | MH-1323 | 463.75 | 463.48 | 22 | 400.0 | 0.013 | 1.43 | 1.66 | 80.000 | 6.55 |
| CO-1327 | 464.83 | 463.60 | MH-1323 | MH-1324 | 462.55 | 462.25 | 24 | 400.0 | 0.013 | 1.41 | 1.67 | 80.000 | 6.59 |
| CO-1328 | 463.60 | 462.73 | MH-1324 | MH-1325 | 461.67 | 461.38 | 23 | 400.0 | 0.013 | 1.24 | 1.67 | 80.000 | 6.61 |
| CO-1329 | 462.73 | 461.72 | MH-1325 | MH-1326 | 460.81 | 460.37 | 36 | 400.0 | 0.013 | 1.23 | 1.67 | 80.000 | 6.66 |
| CO-1332 | 461.72 | 461.60 | MH-1326 | MH-1329 | 460.37 | 460.25 | 26 | 400.0 | 0.013 | 0.95 | 1.16 | 222.637 | 7.93 |
| CO-1333 | 461.60 | 461.50 | MH-1329 | MH-1330 | 460.20 | 460.10 | 30 | 400.0 | 0.013 | 1.00 | 1.06 | 300.000 | 8.00 |
| CO-1334 | 461.50 | 461.19 | MH-1330 | MH-1331 | 460.10 | 459.79 | 32 | 400.0 | 0.013 | 1.00 | 1.60 | 102.448 | 8.03 |
| CO-1335 | 461.19 | 460.00 | MH-1331 | MH-1332 | 458.98 | 458.60 | 30 | 400.0 | 0.013 | 1.41 | 1.75 | 80.000 | 8.03 |
| CO-1336 | 460.00 | 460.83 | MH-1332 | MH-1333 | 458.60 | 458.50 | 31 | 400.0 | 0.013 | 1.47 | 1.06 | 300.000 | 8.28 |
| CO-1337 | 460.83 | 460.50 | MH-1333 | MH-1334 | 458.50 | 458.39 | 30 | 400.0 | 0.013 | 1.82 | 1.06 | 300.000 | 8.28 |
| CO-1338 | 460.50 | 460.29 | MH-1334 | MH-1335 | 458.39 | 458.29 | 30 | 450.0 | 0.013 | 1.60 | 1.06 | 300.000 | 8.32 |
| CO-1340 | 460.29 | 460.25 | MH-1335 | MH-1337 | 458.29 | 458.09 | 23 | 450.0 | 0.013 | 1.63 | 1.55 | 112.935 | 8.32 |

FlexTable: Conduit Table

| Label | Elevation Ground (Start) (m) | Elevation Ground (Stop) (m) | Start Node | Stop Node | Invert (Start) (m) | Invert (Stop) (m) | Length (Scaled) (m) | Diameter (mm) | Manning's n | Cover (Average) (m) | Velocity (m/s) | Slope (Calculated) (1/S) | Flow (MLD) |
|---------|------------------------------|-----------------------------|------------|-----------|--------------------|-------------------|---------------------|---------------|-------------|---------------------|----------------|--------------------------|------------|
| CO-1341 | 460.25 | 459.21 | MH-1337 | MH-1338 | 458.09 | 457.81 | 23 | 450.0 | 0.013 | 1.33 | 1.76 | 80.000 | 8.32 |
| CO-1342 | 459.21 | 458.93 | MH-1338 | MH-1340 | 456.50 | 456.36 | 29 | 450.0 | 0.013 | 2.19 | 1.26 | 200.000 | 8.57 |
| CO-1343 | 458.93 | 458.39 | MH-1340 | MH-1341 | 456.36 | 456.26 | 29 | 450.0 | 0.013 | 1.90 | 1.07 | 300.000 | 8.57 |
| CO-1344 | 458.39 | 458.16 | MH-1341 | MH-1342 | 456.26 | 456.17 | 25 | 450.0 | 0.013 | 1.60 | 1.07 | 300.000 | 8.57 |
| CO-1345 | 458.16 | 457.82 | MH-1342 | MH-1343 | 456.17 | 456.08 | 27 | 450.0 | 0.013 | 1.41 | 1.07 | 300.000 | 8.63 |
| CO-1346 | 457.82 | 457.28 | MH-1343 | MH-1344 | 456.08 | 455.88 | 30 | 450.0 | 0.013 | 1.12 | 1.43 | 145.072 | 8.63 |
| CO-1347 | 457.28 | 456.65 | MH-1344 | MH-1345 | 455.62 | 455.25 | 30 | 450.0 | 0.013 | 1.08 | 1.78 | 80.000 | 8.66 |
| CO-1348 | 456.65 | 455.66 | MH-1345 | MH-1346 | 454.64 | 454.26 | 31 | 450.0 | 0.013 | 1.25 | 1.78 | 80.000 | 8.66 |
| CO-1349 | 455.66 | 453.49 | MH-1346 | MH-1347 | 452.48 | 452.09 | 31 | 450.0 | 0.013 | 1.84 | 1.78 | 80.000 | 8.66 |
| CO-1358 | 453.49 | 453.97 | MH-1347 | MH-1356 | 452.09 | 452.00 | 28 | 450.0 | 0.013 | 1.23 | 1.07 | 300.000 | 8.66 |
| CO-1359 | 453.97 | 453.74 | MH-1356 | MH-3869 | 450.50 | 450.41 | 19 | 450.0 | 0.013 | 2.95 | 1.30 | 200.000 | 10.11 |
| CO-3867 | 453.74 | 453.61 | MH-3869 | MH-3870 | 450.41 | 450.34 | 20 | 450.0 | 0.011 | 2.85 | 1.26 | 300.000 | 10.11 |
| CO-3879 | 453.61 | 453.49 | MH-3870 | MH-3882 | 450.34 | 450.24 | 30 | 450.0 | 0.011 | 2.81 | 1.27 | 300.000 | 10.20 |
| CO-3880 | 453.49 | 453.28 | MH-3882 | MH-3883 | 450.24 | 450.14 | 30 | 450.0 | 0.011 | 2.74 | 1.27 | 300.000 | 10.20 |
| CO-1360 | 453.28 | 453.03 | MH-3883 | MH-1357 | 449.00 | 448.85 | 30 | 450.0 | 0.013 | 3.78 | 1.30 | 200.000 | 10.23 |
| CO-1361 | 453.03 | 452.92 | MH-1357 | MH-1358 | 448.80 | 448.70 | 30 | 450.0 | 0.013 | 3.77 | 1.13 | 300.000 | 10.23 |
| CO-1362 | 452.92 | 452.64 | MH-1358 | MH-3885 | 448.70 | 448.60 | 30 | 450.0 | 0.013 | 3.67 | 1.13 | 300.000 | 10.23 |
| CO-3884 | 452.64 | 452.54 | MH-3885 | MH-3886 | 448.60 | 448.50 | 30 | 450.0 | 0.011 | 3.58 | 1.28 | 300.000 | 10.23 |
| CO-1363 | 452.54 | 452.49 | MH-3886 | MH-1359 | 448.50 | 448.39 | 33 | 450.0 | 0.013 | 3.62 | 1.15 | 300.000 | 11.34 |
| CO-1364 | 452.49 | 452.42 | MH-1359 | MH-1360 | 448.39 | 448.29 | 29 | 450.0 | 0.013 | 3.66 | 1.15 | 300.000 | 11.34 |
| CO-1365 | 452.42 | 452.85 | MH-1360 | MH-3889 | 448.29 | 448.20 | 27 | 450.0 | 0.013 | 3.93 | 1.15 | 300.000 | 11.34 |
| CO-3894 | 452.85 | 452.85 | MH-3889 | OF-3 | 448.20 | 448.15 | 16 | 450.0 | 0.011 | 4.22 | 1.31 | 300.000 | 11.42 |