

### Design Settings

|                                   |      |                             |               |
|-----------------------------------|------|-----------------------------|---------------|
| Frequency of use (kDU)            | 0.50 | Minimum Velocity (m/s)      | 0.75          |
| Flow per dwelling per day (l/day) | 4000 | Connection Type             | Level Soffits |
| Domestic Flow (l/s/ha)            | 0.0  | Minimum Backdrop Height (m) | 0.200         |
| Industrial Flow (l/s/ha)          | 0.0  | Preferred Cover Depth (m)   | 0.600         |
| Additional Flow (%)               | 0    | Include Intermediate Ground | ✓             |

### Nodes

| Name  | Units | Cover Level (m) | Manhole Type | Easting (m) | Northing (m) | Depth (m) |
|-------|-------|-----------------|--------------|-------------|--------------|-----------|
| 3     | 10.4  | 86.875          | Adoptable    | 333639.792  | 356227.238   | 0.700     |
| 4     |       | 86.725          | Adoptable    | 333644.757  | 356234.277   | 0.775     |
| 5     | 10.4  | 86.875          | Adoptable    | 333643.939  | 356224.401   | 0.700     |
| 1     | 10.4  | 86.725          | Adoptable    | 333658.671  | 356215.343   | 0.700     |
| 2     |       | 86.575          | Adoptable    | 333662.327  | 356221.672   | 0.725     |
| 6     |       | 86.700          | Adoptable    | 333648.795  | 356231.440   | 1.150     |
| 6_OUT |       | 86.525          | Adoptable    | 333651.578  | 356244.154   | 1.250     |

### Links

| Name  | US Node | DS Node | Length (m) | ks (mm) / n | US IL (m) | DS IL (m) | Fall (m) | Slope (1:X) | Dia (mm) |
|-------|---------|---------|------------|-------------|-----------|-----------|----------|-------------|----------|
| 2.000 | 3       | 4       | 8.614      | 1.500       | 86.175    | 85.950    | 0.225    | 38.3        | 100      |
| 2.001 | 4       | 6       | 4.935      | 1.500       | 85.950    | 85.550    | 0.400    | 12.3        | 100      |
| 3.000 | 5       | 6       | 8.552      | 1.500       | 86.175    | 85.550    | 0.625    | 13.7        | 100      |
| 1.000 | 1       | 2       | 7.309      | 1.500       | 86.025    | 85.850    | 0.175    | 41.8        | 100      |
| 1.001 | 2       | 6       | 16.689     | 1.500       | 85.850    | 85.550    | 0.300    | 55.6        | 100      |
| 1.002 | 6       | 6_OUT   | 13.015     | 1.500       | 85.550    | 85.275    | 0.275    | 47.3        | 100      |

| Name  | Pro Vel @ 1/3 Q (m/s) | Vel (m/s) | Cap (l/s) | Flow (l/s) | US Depth (m) | DS Depth (m) | Σ Area (ha) | Σ Dwellings (ha) | Σ Units (ha) | Σ Add Inflow (ha) | Pro Depth (mm) | Pro Velocity (m/s) |
|-------|-----------------------|-----------|-----------|------------|--------------|--------------|-------------|------------------|--------------|-------------------|----------------|--------------------|
| 2.000 | 0.595                 | 1.078     | 8.5       | 1.6        | 0.600        | 0.675        | 0.000       | 0                | 10.4         | 0.0               | 30             | 0.830              |
| 2.001 | 0.856                 | 1.902     | 14.9      | 1.6        | 0.675        | 1.050        | 0.000       | 0                | 10.4         | 0.0               | 22             | 1.224              |
| 3.000 | 0.846                 | 1.806     | 14.2      | 1.6        | 0.600        | 1.050        | 0.000       | 0                | 10.4         | 0.0               | 23             | 1.187              |
| 1.000 | 0.570                 | 1.031     | 8.1       | 1.6        | 0.600        | 0.625        | 0.000       | 0                | 10.4         | 0.0               | 30             | 0.794              |
| 1.001 | 0.521                 | 0.893     | 7.0       | 1.6        | 0.625        | 1.050        | 0.000       | 0                | 10.4         | 0.0               | 32             | 0.717              |
| 1.002 | 0.649                 | 0.969     | 7.6       | 2.8        | 1.050        | 1.150        | 0.000       | 0                | 31.2         | 0.0               | 42             | 0.891              |