

### Design Settings

|                                   |      |                             |               |                             |       |
|-----------------------------------|------|-----------------------------|---------------|-----------------------------|-------|
| Frequency of use (kDU)            | 0.50 | Additional Flow (%)         | 0             | Preferred Cover Depth (m)   | 1.200 |
| Flow per dwelling per day (l/day) | 4000 | Minimum Velocity (m/s)      | 0.75          | Include Intermediate Ground | ✓     |
| Domestic Flow (l/s/ha)            | 0.0  | Connection Type             | Level Soffits |                             |       |
| Industrial Flow (l/s/ha)          | 0.0  | Minimum Backdrop Height (m) | 1.000         |                             |       |

### Adoptable Manhole Type

| Max Width (mm) | Diameter (mm) | Max Width (mm) | Diameter (mm) | Max Width (mm) | Diameter (mm) | Max Width (mm) | Diameter (mm) |
|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|
| 374            | 1200          | 499            | 1350          | 749            | 1500          | 900            | 1800          |

&gt;900 Link+900 mm

| Max Depth (m) | Diameter (mm) | Max Depth (m) | Diameter (mm) |
|---------------|---------------|---------------|---------------|
| 1.500         | 1050          | 99.999        | 1200          |

### Circular\_Default Sewer Type Link Type

Shape Circular | Barrels 1 | Auto Increment (mm) 75 | Follow Ground x

### Available Diameters (mm)

100 | 150

### Nodes

| Name | Cover Level (m) | Manhole Type | Easting (m) | Northing (m) | Depth (m) |
|------|-----------------|--------------|-------------|--------------|-----------|
| 1    | 69.130          | Adoptable    | 388256.056  | 397797.421   | 3.390     |
| 2    | 69.138          | Adoptable    | 388252.077  | 397797.793   | 3.415     |
| 3    | 69.460          | Adoptable    | 388248.525  | 397800.892   | 3.757     |
| 4    | 68.135          | Adoptable    | 388206.862  | 397805.033   | 2.606     |
| 5    | 67.997          | Adoptable    | 388203.392  | 397770.089   | 2.614     |
| 6    | 68.189          | Adoptable    | 388212.665  | 397751.846   | 2.891     |
| 7    | 68.189          | Adoptable    | 388210.694  | 397729.564   | 2.984     |

### Links

| Name  | US Node | DS Node | Length (m) | ks (mm) / n | US IL (m) | DS IL (m) | Fall (m) | Slope (1:X) | Dia (mm) |
|-------|---------|---------|------------|-------------|-----------|-----------|----------|-------------|----------|
| 1.000 | 1       | 2       | 3.996      | 1.500       | 65.740    | 65.723    | 0.017    | 240.0       | 300      |
| 1.001 | 2       | 3       | 4.714      | 1.500       | 65.723    | 65.703    | 0.020    | 240.0       | 300      |
| 1.002 | 3       | 4       | 41.868     | 1.500       | 65.703    | 65.529    | 0.174    | 240.0       | 300      |
| 1.003 | 4       | 5       | 35.116     | 1.500       | 65.529    | 65.383    | 0.146    | 240.0       | 300      |
| 1.004 | 5       | 6       | 20.464     | 1.500       | 65.383    | 65.298    | 0.085    | 240.0       | 300      |
| 1.005 | 6       | 7       | 22.369     | 1.500       | 65.298    | 65.205    | 0.093    | 240.0       | 300      |

| 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) |
|-------|-----------------------|-----------|-----------|------------|--------------|--------------|-------------|------------------|--------------|-------------------|----------------|--------------------|
| 1.000 | 0.000                 | 0.893     | 63.1      | 0.0        | 3.090        | 3.115        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |
| 1.001 | 0.000                 | 0.893     | 63.1      | 0.0        | 3.115        | 3.457        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |
| 1.002 | 0.000                 | 0.893     | 63.1      | 0.0        | 3.457        | 2.306        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |
| 1.003 | 0.000                 | 0.893     | 63.1      | 0.0        | 2.306        | 2.314        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |
| 1.004 | 0.000                 | 0.893     | 63.1      | 0.0        | 2.314        | 2.591        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |
| 1.005 | 0.000                 | 0.893     | 63.1      | 0.0        | 2.591        | 2.684        | 0.000       | 0                | 0.0          | 0.0               | 0              | 0.000              |

### Pipeline Schedule

| Link  | Length<br>(m) | Slope<br>(1:X) | Dia<br>(mm) | Link<br>Type                | US CL<br>(m) | US IL<br>(m) | US Depth<br>(m) | DS CL<br>(m) | DS IL<br>(m) | DS Depth<br>(m) |
|-------|---------------|----------------|-------------|-----------------------------|--------------|--------------|-----------------|--------------|--------------|-----------------|
| 1.000 | 3.996         | 240.0          | 300         | Circular_Default Sewer Type | 69.130       | 65.740       | 3.090           | 69.138       | 65.723       | 3.115           |
| 1.001 | 4.714         | 240.0          | 300         | Circular_Default Sewer Type | 69.138       | 65.723       | 3.115           | 69.460       | 65.703       | 3.457           |
| 1.002 | 41.868        | 240.0          | 300         | Circular_Default Sewer Type | 69.460       | 65.703       | 3.457           | 68.135       | 65.529       | 2.306           |
| 1.003 | 35.116        | 240.0          | 300         | Circular_Default Sewer Type | 68.135       | 65.529       | 2.306           | 67.997       | 65.383       | 2.314           |
| 1.004 | 20.464        | 240.0          | 300         | Circular_Default Sewer Type | 67.997       | 65.383       | 2.314           | 68.189       | 65.298       | 2.591           |
| 1.005 | 22.369        | 240.0          | 300         | Circular_Default Sewer Type | 68.189       | 65.298       | 2.591           | 68.189       | 65.205       | 2.684           |

| Link  | US<br>Node | Dia<br>(mm) | Node<br>Type | MH<br>Type | DS<br>Node | Dia<br>(mm) | Node<br>Type | MH<br>Type |
|-------|------------|-------------|--------------|------------|------------|-------------|--------------|------------|
| 1.000 | 1          | 1200        | Manhole      | Adoptable  | 2          | 1200        | Manhole      | Adoptable  |
| 1.001 | 2          | 1200        | Manhole      | Adoptable  | 3          | 1200        | Manhole      | Adoptable  |
| 1.002 | 3          | 1200        | Manhole      | Adoptable  | 4          | 1200        | Manhole      | Adoptable  |
| 1.003 | 4          | 1200        | Manhole      | Adoptable  | 5          | 1200        | Manhole      | Adoptable  |
| 1.004 | 5          | 1200        | Manhole      | Adoptable  | 6          | 1200        | Manhole      | Adoptable  |
| 1.005 | 6          | 1200        | Manhole      | Adoptable  | 7          | 1200        | Manhole      | Adoptable  |

### Manhole Schedule

| Node | Easting<br>(m) | Northing<br>(m) | CL<br>(m) | Depth<br>(m) | Dia<br>(mm) | Connections                                                                         | Link  | IL<br>(m) | Dia<br>(mm) |     |
|------|----------------|-----------------|-----------|--------------|-------------|-------------------------------------------------------------------------------------|-------|-----------|-------------|-----|
| 1    | 388256.056     | 397797.421      | 69.130    | 3.390        | 1200        |    | 0     | 1.000     | 65.740      | 300 |
| 2    | 388252.077     | 397797.793      | 69.138    | 3.415        | 1200        |   | 1     | 1.000     | 65.723      | 300 |
|      |                |                 |           |              |             | 0                                                                                   | 1.001 | 65.723    | 300         |     |
| 3    | 388248.525     | 397800.892      | 69.460    | 3.757        | 1200        |  | 1     | 1.001     | 65.703      | 300 |
|      |                |                 |           |              |             | 0                                                                                   | 1.002 | 65.703    | 300         |     |
| 4    | 388206.862     | 397805.033      | 68.135    | 2.606        | 1200        |  | 1     | 1.002     | 65.529      | 300 |
|      |                |                 |           |              |             | 0                                                                                   | 1.003 | 65.529    | 300         |     |
| 5    | 388203.392     | 397770.089      | 67.997    | 2.614        | 1200        |  | 1     | 1.003     | 65.383      | 300 |
|      |                |                 |           |              |             | 0                                                                                   | 1.004 | 65.383    | 300         |     |
| 6    | 388212.665     | 397751.846      | 68.189    | 2.891        | 1200        |  | 1     | 1.004     | 65.298      | 300 |
|      |                |                 |           |              |             | 0                                                                                   | 1.005 | 65.298    | 300         |     |
| 7    | 388210.694     | 397729.564      | 68.189    | 2.984        | 1200        |  | 1     | 1.005     | 65.205      | 300 |