

|                                                              |  |                                                                   |             |                                                                                     |              |
|--------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                              |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Junctions<br>Storm Phase: Phase     |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |

| Name                | Junction Type   | Easting (m) | Northing (m) | Cover Level (m) | Depth (m) | Invert Level (m) | Chamber Shape | Diameter (m) |
|---------------------|-----------------|-------------|--------------|-----------------|-----------|------------------|---------------|--------------|
| SW.01               | Manhole         | 376387.399  | 434738.220   | 118.590         | 2.090     | 116.500          | Circular      | 1.200        |
| SW.02               | Manhole         | 376401.682  | 434706.267   | 116.205         | 1.500     | 114.705          | Circular      | 1.800        |
| SW.03               | Manhole         | 376401.420  | 434628.267   | 111.730         | 1.650     | 110.080          | Circular      | 2.100        |
| SW.04               | Manhole         | 376406.386  | 434591.602   | 109.270         | 1.200     | 108.070          | Circular      | 1.800        |
| SW.05               | Manhole         | 376412.824  | 434521.899   | 104.600         | 1.650     | 102.950          | Circular      | 2.100        |
| SW.06               | Manhole         | 376409.482  | 434513.542   | 104.090         | 1.650     | 102.440          | Circular      | 2.100        |
| SW.07               | Manhole         | 376398.479  | 434504.886   | 103.640         | 1.650     | 101.990          | Circular      | 2.100        |
| SW.08               | Manhole         | 376352.808  | 434561.284   | 105.425         | 1.650     | 103.775          | Circular      | 1.500        |
| SW.09               | Manhole         | 376362.719  | 434500.587   | 101.935         | 1.725     | 100.210          | Circular      | 2.100        |
| SW.10               | Manhole         | 376331.463  | 434486.783   | 100.210         | 1.725     | 98.485           | Circular      | 2.100        |
| SW.11               | Manhole         | 376323.969  | 434475.554   | 99.880          | 1.725     | 98.155           | Circular      | 2.100        |
| SW.12               | Manhole         | 376342.503  | 434699.017   | 115.130         | 1.350     | 113.780          | Circular      | 1.200        |
| SW.13               | Manhole         | 376348.859  | 434641.870   | 111.755         | 1.350     | 110.405          | Circular      | 2.100        |
| SW.14               | Manhole         | 376315.267  | 434638.134   | 109.995         | 1.350     | 108.645          | Circular      | 1.500        |
| SW.17               | Manhole         | 376289.318  | 434679.293   | 111.665         | 1.350     | 110.315          | Circular      | 1.500        |
| SW.18               | Manhole         | 376291.925  | 434655.938   | 110.225         | 1.885     | 108.340          | Circular      | 2.100        |
| SW.16               | Manhole         | 376297.405  | 434646.476   | 109.875         | 1.480     | 108.395          | Circular      | 2.100        |
| SW.15               | Manhole         | 376306.545  | 434640.354   | 109.835         | 1.385     | 108.450          | Circular      | 2.100        |
| Simple Junction (1) | Simple Junction | 376294.899  | 434472.470   |                 |           |                  |               |              |
| Simple Junction     | Simple Junction | 376278.945  | 434648.420   |                 |           |                  |               |              |
| SW.19.FC            | Manhole         | 376165.800  | 434482.301   | 93.800          | 1.130     | 92.670           | Circular      | 1.500        |
| Simple Junction (2) | Simple Junction | 376155.214  | 434482.007   |                 |           |                  |               |              |

| Name                | Lock |
|---------------------|------|
| SW.01               | None |
| SW.02               | None |
| SW.03               | None |
| SW.04               | None |
| SW.05               | None |
| SW.06               | None |
| SW.07               | None |
| SW.08               | None |
| SW.09               | None |
| SW.10               | None |
| SW.11               | None |
| SW.12               | None |
| SW.13               | None |
| SW.14               | None |
| SW.17               | None |
| SW.18               | None |
| SW.16               | None |
| SW.15               | None |
| Simple Junction (1) |      |
| Simple Junction     |      |
| SW.19.FC            | None |
| Simple Junction (2) |      |

|                                                              |  |                                                                   |             |                                                                                     |              |
|--------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                              |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Junctions<br>Storm Phase: Phase     |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |

Outlets

| Junction            | Outlet Name | Outgoing Connection | Outlet Type    |
|---------------------|-------------|---------------------|----------------|
| SW.01               | Outlet      | 1.000               | Free Discharge |
| SW.02               | Outlet      | 1.001               | Free Discharge |
| SW.03               | Outlet      | 1.002               | Free Discharge |
| SW.04               | Outlet      | 1.003               | Free Discharge |
| SW.05               | Outlet      | 1.004               | Free Discharge |
| SW.06               | Outlet      | 1.005               | Free Discharge |
| SW.07               | Outlet      | 1.006               | Free Discharge |
| SW.08               | Outlet      | 2.000               | Free Discharge |
| SW.09               | Outlet      | 1.007               | Free Discharge |
| SW.10               | Outlet      | 1.008               | Free Discharge |
| SW.11               | Outlet      | 1.009               | Free Discharge |
| SW.12               | Outlet      | 3.000               | Free Discharge |
| SW.13               | Outlet      | 3.001               | Free Discharge |
| SW.14               | Outlet      | 3.002               | Free Discharge |
| SW.17               | Outlet      | 4.000               | Free Discharge |
| SW.18               | Outlet      | 3.005               | Free Discharge |
| SW.16               | Outlet      | 3.004               | Free Discharge |
| SW.15               | Outlet      | 3.003               | Free Discharge |
| Simple Junction (1) | Outlet      | Swale 2             | Free Discharge |
| Simple Junction     | Outlet      | Swale 1             | Free Discharge |
|                     | Outlet      | 1.011               | Hydro-Brake®   |

Invert Level (m)

92.670

Design Depth (m)

1.500

Design Flow (L/s)

18.4

Objective

Minimise Upstream Storage Requirements

Application

Surface Water Only

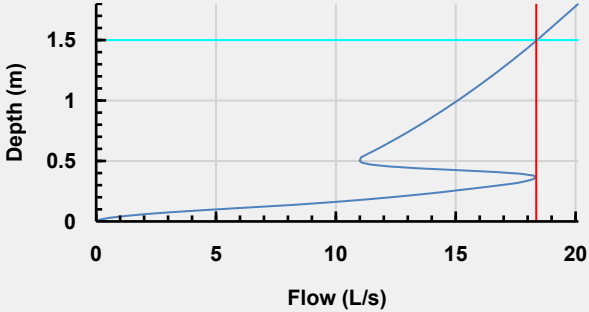
Sump Available

☐

Unit Reference

CHE-0173-1840-1500-1840

SW.19.FC



|                                                                    |                                                                   |             |              |
|--------------------------------------------------------------------|-------------------------------------------------------------------|-------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road       | Date:<br>18/03/2026                                               |             |              |
|                                                                    | Designed by:<br>JLE                                               | Checked by: | Approved By: |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Phase | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |





**Pond**

Type : Pond

### Dimensions

|                      |          |
|----------------------|----------|
| Exceedance Level (m) | 94.000   |
| Depth (m)            | 1.200    |
| Base Level (m)       | 92.800   |
| Freeboard (mm)       | 0        |
| Initial Depth (m)    | 0.000    |
| Porosity (%)         | 100      |
| Average Slope (1:X)  | 5.062    |
| Total Volume (m³)    | 2829.218 |

| Depth (m) | Area (m²) | Volume (m³) |
|-----------|-----------|-------------|
| 0.000     | 1500.00   | 0.000       |
| 0.100     | 2265.00   | 186.941     |
| 0.200     | 2326.00   | 416.484     |
| 0.300     | 2388.00   | 652.177     |
| 1.200     | 2450.00   | 2829.218    |

### Inlets

#### Inlet

|                    |                |
|--------------------|----------------|
| Inlet Type         | Point Inflow   |
| Incoming Item(s)   | Swale 2        |
| Bypass Destination | (None)         |
| Capacity Type      | No Restriction |

#### Inlet (1)

|                    |                |
|--------------------|----------------|
| Inlet Type         | Point Inflow   |
| Incoming Item(s)   | Swale 1        |
| Bypass Destination | (None)         |
| Capacity Type      | No Restriction |

### Outlets

#### Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 1.010          |
| Outlet Type         | Free Discharge |

### Advanced

|                 |             |
|-----------------|-------------|
| Perimeter       | Circular    |
| Length (m)      | 86.986      |
| Friction Scheme | Manning's n |
| n               | 0.35        |

|                                                              |  |                                                                   |             |                                                                                     |              |
|--------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
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|                                                              |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Connections<br>Storm Phase: Phase   |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |

| Name    | From                | Length (m) | Connection Type     | Slope (1:X) | Manning's n | Colebrook-White Roughness (mm) | Diameter / Base Width (mm) | Height (mm) |
|---------|---------------------|------------|---------------------|-------------|-------------|--------------------------------|----------------------------|-------------|
| 1.000   | SW.01               | 35.000     | Pipe                | 20.349      |             | 0.6                            | 225                        |             |
| 1.001   | SW.02               | 78.000     | Pipe                | 17.430      |             | 0.6                            | 300                        |             |
| 1.002   | SW.03               | 37.000     | Pipe                | 18.408      |             | 0.6                            | 450                        |             |
| 1.003   | SW.04               | 70.000     | Pipe                | 13.672      |             | 0.6                            | 450                        |             |
| 1.004   | SW.05               | 9.000      | Pipe                | 17.647      |             | 0.6                            | 450                        |             |
| 1.005   | SW.06               | 14.000     | Pipe                | 31.111      |             | 0.6                            | 450                        |             |
| 1.006   | SW.07               | 36.018     | Pipe                | 21.125      |             | 0.6                            | 450                        |             |
| 2.000   | SW.08               | 61.500     | Pipe                | 18.413      |             | 0.6                            | 300                        |             |
| 1.007   | SW.09               | 34.168     | Pipe                | 19.808      |             | 0.6                            | 525                        |             |
| 1.008   | SW.10               | 13.500     | Pipe                | 40.909      |             | 0.6                            | 525                        |             |
| 3.003   | SW.15               | 11.000     | Pipe                | 200.000     |             | 0.6                            | 450                        |             |
| 3.000   | SW.12               | 57.500     | Pipe                | 17.037      |             | 0.6                            | 300                        |             |
| 3.001   | SW.13               | 33.800     | Pipe                | 19.205      |             | 0.6                            | 300                        |             |
| 3.002   | SW.14               | 9.000      | Pipe                | 200.000     |             | 0.6                            | 300                        |             |
| 4.000   | SW.17               | 23.500     | Pipe                | 16.319      |             | 0.6                            | 225                        |             |
| 3.005   | SW.18               | 15.000     | Pipe                | 8.152       |             | 0.6                            | 450                        |             |
| 3.004   | SW.16               | 10.935     | Pipe                | 200.000     |             | 0.6                            | 450                        |             |
| 1.009   | SW.11               | 29.234     | Pipe                | 21.575      |             | 0.6                            | 525                        |             |
| Swale 2 | Simple Junction (1) | 33.596     | Trapezoidal Channel | 8.399       | 0.350       |                                | 1000                       | 1000        |
| Swale 1 | Simple Junction     | 158.635    | Trapezoidal Channel | 12.203      | 0.350       |                                | 1000                       | 1000        |
| 1.010   | Pond                | 11.224     | Pipe                | 86.338      |             | 0.6                            | 300                        |             |
| 1.011   | SW.19.FC            | 10.590     | Pipe                | 62.294      |             | 0.6                            | 150                        |             |

| Name    | Side Slope (1:X) | Upstream Cover Level (m) | Upstream Invert Level (m) | Downstream Cover Level (m) | Downstream Invert Level (m) | Lock   | Flow Restriction (L/s) |
|---------|------------------|--------------------------|---------------------------|----------------------------|-----------------------------|--------|------------------------|
| 1.000   |                  | 118.590                  | 116.500                   | 116.205                    | 114.780                     | Levels |                        |
| 1.001   |                  | 116.205                  | 114.705                   | 111.730                    | 110.230                     | Levels |                        |
| 1.002   |                  | 111.730                  | 110.080                   | 109.270                    | 108.070                     | Levels |                        |
| 1.003   |                  | 109.270                  | 108.070                   | 104.600                    | 102.950                     | Levels |                        |
| 1.004   |                  | 104.600                  | 102.950                   | 104.090                    | 102.440                     | Levels |                        |
| 1.005   |                  | 104.090                  | 102.440                   | 103.640                    | 101.990                     | Levels |                        |
| 1.006   |                  | 103.640                  | 101.990                   | 101.935                    | 100.285                     | Levels |                        |
| 2.000   |                  | 105.425                  | 103.775                   | 101.935                    | 100.435                     | Levels |                        |
| 1.007   |                  | 101.935                  | 100.210                   | 100.210                    | 98.485                      | Levels |                        |
| 1.008   |                  | 100.210                  | 98.485                    | 99.880                     | 98.155                      | Levels |                        |
| 3.003   |                  | 109.835                  | 108.450                   | 109.875                    | 108.395                     | Levels |                        |
| 3.000   |                  | 115.130                  | 113.780                   | 111.755                    | 110.405                     | Levels |                        |
| 3.001   |                  | 111.755                  | 110.405                   | 109.995                    | 108.645                     | Levels |                        |
| 3.002   |                  | 109.995                  | 108.645                   | 109.835                    | 108.600                     | Levels |                        |
| 4.000   |                  | 111.665                  | 110.315                   | 110.225                    | 108.875                     | Levels |                        |
| 3.005   |                  | 110.225                  | 108.340                   | 107.000                    | 106.500                     | Levels |                        |
| 3.004   |                  | 109.875                  | 108.395                   | 110.225                    | 108.340                     | Levels |                        |
| 1.009   |                  | 99.880                   | 98.155                    | 97.800                     | 96.800                      | Levels |                        |
| Swale 2 | 3.00             | 97.800                   | 96.800                    | 94.000                     | 92.800                      | Levels |                        |
| Swale 1 | 3.00             | 107.000                  | 106.000                   | 94.000                     | 93.000                      | Levels |                        |
| 1.010   |                  | 94.000                   | 92.800                    | 93.800                     | 92.670                      | Levels |                        |
| 1.011   |                  | 93.800                   | 92.670                    | 93.800                     | 92.500                      | Levels | 0.0                    |

|                                                               |  |                                                                   |             |                                                                                     |              |
|---------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road  |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                               |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Inflow Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |

| Inflow Label       | Connected To | Flow (L/s) | Runoff Method         | Area (ha)    | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|--------------------|--------------|------------|-----------------------|--------------|---------------------------|-----------------|------------------------------------|--------------------|
| Plot 1+2           | SW.07        |            | Time of Concentration | 0.050        | 100                       | 0               | 100                                | 0.050              |
| Plot 26-18         | SW.09        |            | Time of Concentration | 0.062        | 100                       | 0               | 100                                | 0.062              |
| Plot 36-42+46-47   | SW.08        |            | Time of Concentration | 0.130        | 100                       | 0               | 100                                | 0.130              |
| Plot 48-49         | SW.11        |            | Time of Concentration | 0.064        | 100                       | 0               | 100                                | 0.064              |
| Plot 67-69         | SW.15        |            | Time of Concentration | 0.062        | 100                       | 0               | 100                                | 0.062              |
| Plot 74-77         | SW.17        |            | Time of Concentration | 0.080        | 100                       | 0               | 100                                | 0.080              |
| Plot12-17          | SW.03        |            | Time of Concentration | 0.130        | 100                       | 0               | 100                                | 0.130              |
| Plot18-21+56-60    | SW.02        |            | Time of Concentration | 0.170        | 100                       | 0               | 100                                | 0.170              |
| Plot43-45          | SW.10        |            | Time of Concentration | 0.058        | 100                       | 0               | 100                                | 0.058              |
| Plots 3-8          | SW.05        |            | Time of Concentration | 0.120        | 100                       | 0               | 100                                | 0.120              |
| Plots 9-11 + 29-35 | SW.04        |            | Time of Concentration | 0.174        | 100                       | 0               | 100                                | 0.174              |
| Plots 22-25+61-62  | SW.01        |            | Time of Concentration | 0.140        | 100                       | 0               | 100                                | 0.140              |
| Plots 50-55        | SW.13        |            | Time of Concentration | 0.074        | 100                       | 0               | 100                                | 0.074              |
| Plots 63-66 +70-73 | SW.12        |            | Time of Concentration | 0.151        | 100                       | 0               | 100                                | 0.151              |
| Road               | SW.01        |            | Time of Concentration | 0.063        | 100                       | 0               | 100                                | 0.063              |
| Road               | SW.02        |            | Time of Concentration | 0.087        | 100                       | 0               | 100                                | 0.087              |
| Road (1)           | SW.03        |            | Time of Concentration | 0.028        | 100                       | 0               | 100                                | 0.028              |
| Road (2)           | SW.07        |            | Time of Concentration | 0.027        | 100                       | 0               | 100                                | 0.027              |
| Road (3)           | SW.08        |            | Time of Concentration | 0.088        | 100                       | 0               | 100                                | 0.088              |
| Road (4)           | SW.09        |            | Time of Concentration | 0.027        | 100                       | 0               | 100                                | 0.027              |
| Road (5)           | SW.10        |            | Time of Concentration | 0.029        | 100                       | 0               | 100                                | 0.029              |
| Road (6)           | SW.11        |            | Time of Concentration | 0.034        | 100                       | 0               | 100                                | 0.034              |
| Road (7)           | SW.13        |            | Time of Concentration | 0.030        | 100                       | 0               | 100                                | 0.030              |
| Road (8)           | SW.12        |            | Time of Concentration | 0.075        | 100                       | 0               | 100                                | 0.075              |
| Road (9)           | SW.16        |            | Time of Concentration | 0.052        | 100                       | 0               | 100                                | 0.052              |
| Road (1)           | SW.04        |            | Time of Concentration | 0.077        | 100                       | 0               | 100                                | 0.077              |
| Road (2)           | SW.06        |            | Time of Concentration | 0.029        | 100                       | 0               | 100                                | 0.029              |
| Road (3)           | SW.13        |            | Time of Concentration | 0.044        | 100                       | 0               | 100                                | 0.044              |
| Road (4)           | SW.17        |            | Time of Concentration | 0.042        | 100                       | 0               | 100                                | 0.042              |
| <b>TOTAL</b>       |              | <b>0.0</b> |                       | <b>2.197</b> |                           |                 |                                    | <b>2.197</b>       |

|                                                                  |  |                                                                   |             |                                                                                     |              |
|------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |  |              |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
|                                                                  |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume**

| Junction            | Storm Event                             | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|---------------------|-----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW.01               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 118.5<br>90     | 116.5<br>00      | 116.58<br>3    | 0.083          | 32.8              | 0.094                     | 0.000                    | 31.8               | 14.275                      | OK         |
| SW.02               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 116.2<br>05     | 114.7<br>05      | 114.81<br>1    | 0.106          | 73.4              | 0.271                     | 0.000                    | 69.3               | 32.327                      | OK         |
| SW.03               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 111.73<br>0     | 110.0<br>80      | 110.18<br>9    | 0.109          | 94.8              | 0.377                     | 0.000                    | 93.1               | 43.419                      | OK         |
| SW.04               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 109.2<br>70     | 108.0<br>70      | 108.18<br>6    | 0.116          | 133.7             | 0.295                     | 0.000                    | 129.7              | 61.064                      | OK         |
| SW.05               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 104.6<br>00     | 102.9<br>50      | 103.10<br>3    | 0.153          | 149.1             | 0.532                     | 0.000                    | 143.3              | 69.444                      | OK         |
| SW.06               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 104.0<br>90     | 102.4<br>40      | 102.61<br>5    | 0.175          | 148.0             | 0.607                     | 0.000                    | 145.4              | 71.452                      | OK         |
| SW.07               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 103.6<br>40     | 101.9<br>90      | 102.14<br>0    | 0.150          | 157.8             | 0.520                     | 0.000                    | 152.1              | 76.800                      | OK         |
| SW.08               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 105.4<br>25     | 103.7<br>75      | 103.84<br>9    | 0.074          | 35.3              | 0.130                     | 0.000                    | 33.4               | 15.332                      | OK         |
| SW.09               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 101.9<br>35     | 100.2<br>10      | 100.36<br>2    | 0.152          | 200.0             | 0.526                     | 0.000                    | 196.8              | 98.334                      | OK         |
| SW.10               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 100.2<br>10     | 98.48<br>5       | 98.702         | 0.217          | 210.9             | 0.751                     | 0.000                    | 204.6              | 104.389                     | OK         |
| SW.11               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 99.88<br>0      | 98.15<br>5       | 98.316         | 0.161          | 220.5             | 0.559                     | 0.000                    | 216.9              | 111.273                     | OK         |
| SW.12               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 115.1<br>30     | 113.7<br>80      | 113.85<br>3    | 0.073          | 36.6              | 0.083                     | 0.000                    | 35.7               | 15.916                      | OK         |
| SW.13               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 111.75<br>5     | 110.4<br>05      | 110.50<br>2    | 0.097          | 59.7              | 0.335                     | 0.000                    | 57.4               | 26.308                      | OK         |
| SW.14               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 109.9<br>95     | 108.6<br>45      | 108.85<br>0    | 0.205          | 57.4              | 0.362                     | 0.000                    | 53.5               | 26.256                      | OK         |
| SW.17               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 111.66<br>5     | 110.3<br>15      | 110.37<br>5    | 0.060          | 19.7              | 0.106                     | 0.000                    | 19.2               | 8.587                       | OK         |
| SW.18               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 110.2<br>25     | 108.3<br>40      | 108.42<br>8    | 0.088          | 86.8              | 0.306                     | 0.000                    | 85.2               | 42.745                      | OK         |
| SW.16               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 109.8<br>75     | 108.3<br>95      | 108.56<br>2    | 0.167          | 70.0              | 0.579                     | 0.000                    | 67.6               | 34.181                      | OK         |
| SW.15               | FSR: 1 years: +0 %:<br>15 mins: Summer  | 109.8<br>35     | 108.4<br>50      | 108.63<br>1    | 0.181          | 63.5              | 0.625                     | 0.000                    | 61.6               | 30.584                      | OK         |
| Simple Junction (1) | FSR: 1 years: +0 %:<br>15 mins: Summer  |                 | 96.80<br>0       | 97.269         | 0.469          | 216.9             |                           |                          | 169.0              | 112.492                     | OK         |
| Simple Junction     | FSR: 1 years: +0 %:<br>15 mins: Summer  |                 | 106.0<br>00      | 106.15<br>2    | 0.152          | 85.2              |                           |                          | 16.6               | 17.300                      | OK         |
| SW.19.FC            | FSR: 1 years: +0 %:<br>960 mins: Summer | 93.80<br>0      | 92.67<br>0       | 93.004         | 0.334          | 14.3              | 0.591                     | 0.000                    | 14.3               | 763.411                     | Surcharged |
| Simple Junction (2) | FSR: 1 years: +0 %:<br>15 mins: Summer  |                 | 92.50<br>0       | 92.500         | 0.000          | 0.0               |                           |                          | 0.0                | 0.000                       | OK         |

|                                                                  |  |                                                                   |             |                                                                                     |              |
|------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                  |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Resident Volume**

| Junction            | Storm Event                             | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|---------------------|-----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW.01               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 118.590         | 116.500          | 116.596        | 0.096          | 42.5              | 0.109                     | 0.000                    | 41.2               | 18.478                      | OK         |
| SW.02               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 116.205         | 114.705          | 114.828        | 0.123          | 95.0              | 0.313                     | 0.000                    | 90.0               | 41.843                      | OK         |
| SW.03               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 111.730         | 110.080          | 110.205        | 0.125          | 123.1             | 0.434                     | 0.000                    | 121.0              | 56.205                      | OK         |
| SW.04               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 109.270         | 108.070          | 108.203        | 0.133          | 173.6             | 0.338                     | 0.000                    | 168.7              | 79.033                      | OK         |
| SW.05               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 104.600         | 102.950          | 103.132        | 0.182          | 193.9             | 0.629                     | 0.000                    | 186.6              | 89.886                      | OK         |
| SW.06               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 104.090         | 102.440          | 102.646        | 0.206          | 192.7             | 0.713                     | 0.000                    | 189.4              | 92.486                      | OK         |
| SW.07               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 103.640         | 101.990          | 102.165        | 0.175          | 205.5             | 0.606                     | 0.000                    | 198.5              | 99.426                      | OK         |
| SW.08               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 105.425         | 103.775          | 103.859        | 0.084          | 45.7              | 0.149                     | 0.000                    | 43.4               | 19.837                      | OK         |
| SW.09               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 101.935         | 100.210          | 100.387        | 0.177          | 260.5             | 0.613                     | 0.000                    | 256.8              | 127.297                     | OK         |
| SW.10               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 100.210         | 98.485           | 98.740         | 0.255          | 275.0             | 0.882                     | 0.000                    | 267.3              | 135.148                     | OK         |
| SW.11               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 99.880          | 98.155           | 98.341         | 0.186          | 287.8             | 0.645                     | 0.000                    | 283.7              | 144.042                     | OK         |
| SW.12               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 115.130         | 113.780          | 113.864        | 0.084          | 47.3              | 0.095                     | 0.000                    | 46.3               | 20.586                      | OK         |
| SW.13               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 111.755         | 110.405          | 110.516        | 0.111          | 77.3              | 0.385                     | 0.000                    | 74.5               | 34.034                      | OK         |
| SW.14               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 109.995         | 108.645          | 108.891        | 0.246          | 74.5              | 0.435                     | 0.000                    | 70.0               | 33.978                      | OK         |
| SW.17               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 111.665         | 110.315          | 110.384        | 0.069          | 25.5              | 0.122                     | 0.000                    | 24.9               | 11.100                      | OK         |
| SW.18               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 110.225         | 108.340          | 108.442        | 0.102          | 113.7             | 0.355                     | 0.000                    | 111.7              | 55.326                      | OK         |
| SW.16               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 109.875         | 108.395          | 108.589        | 0.194          | 91.6              | 0.673                     | 0.000                    | 88.8               | 44.250                      | OK         |
| SW.15               | FSR: 2 years: +0 %:<br>15 mins: Summer  | 109.835         | 108.450          | 108.662        | 0.212          | 83.0              | 0.734                     | 0.000                    | 80.7               | 39.582                      | OK         |
| Simple Junction (1) | FSR: 2 years: +0 %:<br>15 mins: Summer  |                 | 96.800           | 97.343         | 0.543          | 283.7             |                           |                          | 210.2              | 145.810                     | OK         |
| Simple Junction     | FSR: 2 years: +0 %:<br>15 mins: Summer  |                 | 106.000          | 106.182        | 0.182          | 111.7             |                           |                          | 23.2               | 24.295                      | OK         |
| SW.19.FC            | FSR: 2 years: +0 %:<br>960 mins: Summer | 93.800          | 92.670           | 93.041         | 0.371          | 15.7              | 0.656                     | 0.000                    | 15.7               | 892.572                     | Surcharged |
| Simple Junction (2) | FSR: 2 years: +0 %:<br>15 mins: Summer  |                 | 92.500           | 92.500         | 0.000          | 0.0               |                           |                          | 0.0                | 0.000                       | OK         |

|                                                                  |  |                                                                   |             |                                                                                     |              |
|------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                  |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Resident Volume**

| Junction            | Storm Event                                 | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|---------------------|---------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW.01               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 118.5<br>90     | 116.5<br>00      | 116.69<br>4    | 0.194          | 112.8             | 0.219                     | 0.000                    | 108.5              | 48.980                      | OK         |
| SW.02               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 116.2<br>05     | 114.7<br>05      | 114.94<br>2    | 0.237          | 251.3             | 0.604                     | 0.000                    | 238.2              | 110.947                     | OK         |
| SW.03               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 111.73<br>0     | 110.0<br>80      | 110.30<br>1    | 0.221          | 326.1             | 0.765                     | 0.000                    | 321.8              | 149.042                     | OK         |
| SW.04               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 109.2<br>70     | 108.0<br>70      | 108.29<br>9    | 0.229          | 461.3             | 0.583                     | 0.000                    | 451.6              | 209.575                     | OK         |
| SW.05               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 104.6<br>00     | 102.9<br>50      | 103.35<br>1    | 0.401          | 518.3             | 1.387                     | 0.000                    | 489.5              | 238.462                     | OK         |
| SW.06               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 104.0<br>90     | 102.4<br>40      | 102.89<br>5    | 0.455          | 505.6             | 1.576                     | 0.000                    | 485.6              | 245.427                     | Surcharged |
| SW.07               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 103.6<br>40     | 101.9<br>90      | 102.32<br>2    | 0.332          | 528.4             | 1.151                     | 0.000                    | 522.9              | 263.930                     | OK         |
| SW.08               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 105.4<br>25     | 103.7<br>75      | 103.92<br>1    | 0.146          | 121.2             | 0.259                     | 0.000                    | 116.3              | 52.591                      | OK         |
| SW.09               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 101.9<br>35     | 100.2<br>10      | 100.54<br>8    | 0.338          | 688.7             | 1.172                     | 0.000                    | 681.3              | 337.611                     | OK         |
| SW.10               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 100.2<br>10     | 98.48<br>5       | 99.066         | 0.581          | 729.7             | 2.012                     | 0.000                    | 703.5              | 358.921                     | Surcharged |
| SW.11               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 99.88<br>0      | 98.15<br>5       | 98.489         | 0.334          | 758.0             | 1.157                     | 0.000                    | 748.2              | 382.485                     | OK         |
| SW.12               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 115.1<br>30     | 113.7<br>80      | 113.92<br>2    | 0.142          | 125.6             | 0.161                     | 0.000                    | 123.5              | 54.556                      | OK         |
| SW.13               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 111.75<br>5     | 110.4<br>05      | 110.60<br>9    | 0.204          | 205.8             | 0.708                     | 0.000                    | 199.8              | 90.214                      | OK         |
| SW.14               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 109.9<br>95     | 108.6<br>45      | 109.36<br>3    | 0.718          | 199.8             | 1.268                     | 0.000                    | 194.8              | 90.166                      | Surcharged |
| SW.17               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 111.66<br>5     | 110.3<br>15      | 110.43<br>7    | 0.122          | 67.8              | 0.216                     | 0.000                    | 66.3               | 29.441                      | OK         |
| SW.18               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 110.2<br>25     | 108.3<br>40      | 108.52<br>6    | 0.186          | 313.9             | 0.645                     | 0.000                    | 313.0              | 146.968                     | OK         |
| SW.16               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 109.8<br>75     | 108.3<br>95      | 108.75<br>7    | 0.362          | 253.0             | 1.256                     | 0.000                    | 247.6              | 117.497                     | OK         |
| SW.15               | FSR: 30 years: +40<br>%: 15 mins:<br>Summer | 109.8<br>35     | 108.4<br>50      | 108.88<br>4    | 0.434          | 229.2             | 1.503                     | 0.000                    | 224.1              | 105.082                     | OK         |
| Simple Junction (1) | FSR: 30 years: +40<br>%: 15 mins:<br>Summer |                 | 96.80<br>0       | 97.655         | 0.855          | 748.2             |                           |                          | 679.7              | 387.992                     | OK         |



|                                                                  |  |                                                                   |             |              |                                                                                     |
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| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |              |  |
|                                                                  |  | Designed by:<br>JLE                                               | Checked by: | Approved By: |                                                                                     |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |                                                                                     |

|                     |                                           |        |         |         |       |       |       |       |       |          |            |
|---------------------|-------------------------------------------|--------|---------|---------|-------|-------|-------|-------|-------|----------|------------|
| Simple Junction     | FSR: 30 years: +40<br>%: 15 mins: Summer  |        | 106.000 | 106.390 | 0.390 | 313.0 |       |       | 142.5 | 95.619   | OK         |
| SW.19.FC            | FSR: 30 years: +40<br>%: 960 mins: Summer | 93.800 | 92.670  | 93.496  | 0.826 | 18.4  | 1.459 | 0.000 | 18.3  | 1257.563 | Surcharged |
| Simple Junction (2) | FSR: 30 years: +40<br>%: 15 mins: Summer  |        | 92.500  | 92.588  | 0.088 | 14.7  |       |       | 14.7  | 5.396    | OK         |

|                                                                  |  |                                                                   |             |                                                                                     |              |
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| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                  |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 100 years: Increase Rainfall (%): +50: Critical Storm Per Item: Rank By: Max. Resident Volume**

| Junction            | Storm Event                            | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|---------------------|----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| SW.01               | FSR: 100 years: +50 %: 15 mins: Summer | 118.590         | 116.500          | 117.834        | 1.334          | 156.6             | 1.509                     | 0.000                    | 132.8              | 67.450                      | Surcharged |
| SW.02               | FSR: 100 years: +50 %: 15 mins: Summer | 116.205         | 114.705          | 115.495        | 0.790          | 331.1             | 2.011                     | 0.000                    | 267.3              | 153.637                     | Surcharged |
| SW.03               | FSR: 100 years: +50 %: 15 mins: Summer | 111.730         | 110.080          | 110.327        | 0.247          | 389.2             | 0.855                     | 0.000                    | 388.7              | 206.465                     | OK         |
| SW.04               | FSR: 100 years: +50 %: 15 mins: Summer | 109.270         | 108.070          | 108.339        | 0.269          | 582.4             | 0.685                     | 0.000                    | 576.0              | 290.012                     | OK         |
| SW.05               | FSR: 100 years: +50 %: 15 mins: Summer | 104.600         | 102.950          | 104.177        | 1.227          | 668.6             | 4.252                     | 0.000                    | 636.6              | 330.420                     | Surcharged |
| SW.06               | FSR: 100 years: +50 %: 15 mins: Summer | 104.090         | 102.440          | 103.450        | 1.010          | 658.9             | 3.499                     | 0.000                    | 626.7              | 340.174                     | Surcharged |
| SW.07               | FSR: 100 years: +50 %: 15 mins: Summer | 103.640         | 101.990          | 102.561        | 0.571          | 686.1             | 1.978                     | 0.000                    | 644.9              | 364.891                     | Surcharged |
| SW.08               | FSR: 100 years: +50 %: 15 mins: Summer | 105.425         | 103.775          | 103.950        | 0.175          | 168.2             | 0.310                     | 0.000                    | 166.9              | 71.882                      | OK         |
| SW.09               | FSR: 100 years: +50 %: 15 mins: Summer | 101.935         | 100.210          | 100.834        | 0.624          | 880.5             | 2.161                     | 0.000                    | 736.7              | 467.568                     | Surcharged |
| SW.10               | FSR: 100 years: +50 %: 15 mins: Summer | 100.210         | 98.485           | 99.725         | 1.240          | 803.9             | 4.296                     | 0.000                    | 796.3              | 496.924                     | Surcharged |
| SW.11               | FSR: 100 years: +50 %: 15 mins: Summer | 99.880          | 98.155           | 99.034         | 0.879          | 871.9             | 3.044                     | 0.000                    | 874.1              | 529.803                     | Surcharged |
| SW.12               | FSR: 100 years: +50 %: 15 mins: Summer | 115.130         | 113.780          | 113.956        | 0.176          | 174.4             | 0.199                     | 0.000                    | 172.5              | 75.468                      | OK         |
| SW.13               | FSR: 100 years: +50 %: 15 mins: Summer | 111.755         | 110.405          | 111.280        | 0.875          | 286.7             | 3.031                     | 0.000                    | 233.1              | 125.128                     | Surcharged |
| SW.14               | FSR: 100 years: +50 %: 15 mins: Summer | 109.995         | 108.645          | 109.572        | 0.927          | 233.1             | 1.638                     | 0.000                    | 223.8              | 125.093                     | Surcharged |
| SW.17               | FSR: 100 years: +50 %: 15 mins: Summer | 111.665         | 110.315          | 110.469        | 0.154          | 94.1              | 0.272                     | 0.000                    | 91.9               | 40.813                      | OK         |
| SW.18               | FSR: 100 years: +50 %: 15 mins: Summer | 110.225         | 108.340          | 108.555        | 0.215          | 393.9             | 0.743                     | 0.000                    | 396.7              | 203.908                     | OK         |
| SW.16               | FSR: 100 years: +50 %: 15 mins: Summer | 109.875         | 108.395          | 108.781        | 0.386          | 308.2             | 1.338                     | 0.000                    | 302.0              | 162.997                     | OK         |
| SW.15               | FSR: 100 years: +50 %: 15 mins: Summer | 109.835         | 108.450          | 108.963        | 0.513          | 271.6             | 1.778                     | 0.000                    | 268.1              | 145.790                     | Surcharged |
| Simple Junction (1) | FSR: 100 years: +50 %: 15 mins: Summer |                 | 96.800           | 97.709         | 0.909          | 874.1             |                           |                          | 867.1              | 537.191                     | OK         |

|                                                                  |  |                                                                   |             |              |                                                                                     |
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| Project:<br>Proposed Residential Development<br>Whalley Road     |  | Date:<br>18/03/2026                                               |             |              |  |
|                                                                  |  | Designed by:<br>JLE                                               | Checked by: | Approved By: |                                                                                     |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |                                                                                     |

|                     |                                               |        |         |         |       |       |       |       |       |          |            |
|---------------------|-----------------------------------------------|--------|---------|---------|-------|-------|-------|-------|-------|----------|------------|
| Simple Junction     | FSR: 100 years:<br>+50 %: 15 mins:<br>Summer  |        | 106.000 | 106.477 | 0.477 | 396.7 |       |       | 249.2 | 156.086  | OK         |
| SW.19.FC            | FSR: 100 years:<br>+50 %: 960 mins:<br>Summer | 93.800 | 92.670  | 93.779  | 1.109 | 18.4  | 1.960 | 0.000 | 18.3  | 1463.809 | Flood Risk |
| Simple Junction (2) | FSR: 100 years:<br>+50 %: 15 mins:<br>Summer  |        | 92.500  | 92.600  | 0.100 | 17.8  |       |       | 17.8  | 9.753    | OK         |

|                                                                            |  |                                                                   |             |                                                                                     |              |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                            |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 1 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.  
DS Depth**

| Stormwater Control | Storm Event                          | Max. US Level (m) | Max. DS Level (m) | Max. Avg. Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Avg. Depth (m) | Max. Inflow (L/s) | Max. Residual Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) |
|--------------------|--------------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|
| Pond               | FSR: 1 years: +0 %: 960 mins: Summer | 93.008            | 93.008            | 93.008              | 0.208             | 0.208             | 0.208               | 51.7              | 434.916                   | 0.000                    | 0.000                  | 14.3               | 763.531                     |

|                                                                            |                                                                   |             |              |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|-------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               | Date:<br>18/03/2026                                               |             |              |
|                                                                            | Designed by:<br>JLE                                               | Checked by: | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |



| Percentage Available (%) | Status |
|--------------------------|--------|
| 84.628                   | OK     |

|                                                                            |  |                                                                   |             |                                                                                     |              |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                            |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.  
DS Depth**

| Stormwater Control | Storm Event                          | Max. US Level (m) | Max. DS Level (m) | Max. Avg. Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Avg. Depth (m) | Max. Inflow (L/s) | Max. Residual Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) |
|--------------------|--------------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|
| Pond               | FSR: 2 years: +0 %: 960 mins: Summer | 93.046            | 93.045            | 93.045              | 0.246             | 0.245             | 0.245               | 61.1              | 522.762                   | 0.000                    | 0.000                  | 15.7               | 892.711                     |

|                                                                            |                                                                   |             |              |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|-------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               | Date:<br>18/03/2026                                               |             |              |
|                                                                            | Designed by:<br>JLE                                               | Checked by: | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |



| Percentage<br>Available<br>(%) | Status |
|--------------------------------|--------|
| 81.523                         | OK     |

|                                                                            |  |                                                                   |             |                                                                                     |              |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                            |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max.  
DS Depth**

| Stormwater Control | Storm Event                            | Max. US Level (m) | Max. DS Level (m) | Max. Avg. Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Avg. Depth (m) | Max. Inflow (L/s) | Max. Residual Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) |
|--------------------|----------------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|
| Pond               | FSR: 30 years: +40 %: 960 mins: Summer | 93.498            | 93.498            | 93.498              | 0.698             | 0.698             | 0.698               | 151.1             | 1608.901                  | 0.000                    | 0.000                  | 18.4               | 1258.995                    |



|                                                                            |                                                                   |             |              |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|-------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               | Date:<br>18/03/2026                                               |             |              |
|                                                                            | Designed by:<br>JLE                                               | Checked by: | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |



| Percentage Available (%) | Status |
|--------------------------|--------|
| 43.133                   | OK     |

|                                                                            |  |                                                                   |             |                                                                                     |              |
|----------------------------------------------------------------------------|--|-------------------------------------------------------------------|-------------|-------------------------------------------------------------------------------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               |  | Date:<br>18/03/2026                                               |             |  |              |
|                                                                            |  | Designed by:<br>JLE                                               | Checked by: |                                                                                     | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase |  | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |                                                                                     |              |



**FSR: 100 years: Increase Rainfall (%): +50: Critical Storm Per Item: Rank By:  
Max. DS Depth**

| Stormwater Control | Storm Event                             | Max. US Level (m) | Max. DS Level (m) | Max. Avg. Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Avg. Depth (m) | Max. Inflow (L/s) | Max. Residual Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) |
|--------------------|-----------------------------------------|-------------------|-------------------|---------------------|-------------------|-------------------|---------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|
| Pond               | FSR: 100 years: +50 %: 960 mins: Summer | 93.783            | 93.783            | 93.783              | 0.983             | 0.983             | 0.983               | 202.1             | 2298.635                  | 0.000                    | 0.000                  | 18.4               | 1465.666                    |

|                                                                            |                                                                   |             |              |
|----------------------------------------------------------------------------|-------------------------------------------------------------------|-------------|--------------|
| Project:<br>Proposed Residential Development<br>Whalley Road               | Date:<br>18/03/2026                                               |             |              |
|                                                                            | Designed by:<br>JLE                                               | Checked by: | Approved By: |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Phase | Company Address:<br>Summit House<br>Riparian Way<br>The Crossings |             |              |



| Percentage Available (%) | Status |
|--------------------------|--------|
| 18.754                   | OK     |