

| Odyssey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| Tuscany House                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               | Stakers Farm, Yapton - 19-156 |                        |  |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| White Hart Lane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | As built - Access Road        |                        |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
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| <p>Summary of Results for 100 year Return Period (+40%)</p> <p>Half Drain Time : 862 minutes.</p> <table><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr><tr><td>15 min Summer</td><td>6.589</td><td>0.313</td><td>0.2</td><td>8.9</td><td>Flood Risk</td></tr><tr><td>30 min Summer</td><td>6.641</td><td>0.365</td><td>0.2</td><td>12.5</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>6.692</td><td>0.416</td><td>0.2</td><td>16.4</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>6.727</td><td>0.451</td><td>0.3</td><td>19.2</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>6.745</td><td>0.469</td><td>0.3</td><td>20.8</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>6.756</td><td>0.480</td><td>0.3</td><td>21.7</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>6.765</td><td>0.489</td><td>0.3</td><td>22.5</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>6.767</td><td>0.491</td><td>0.3</td><td>22.6</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>6.765</td><td>0.489</td><td>0.3</td><td>22.5</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>6.763</td><td>0.487</td><td>0.3</td><td>22.3</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>6.758</td><td>0.482</td><td>0.3</td><td>21.9</td><td>Flood Risk</td></tr><tr><td>1440 min Summer</td><td>6.748</td><td>0.472</td><td>0.3</td><td>21.1</td><td>Flood Risk</td></tr><tr><td>2160 min Summer</td><td>6.734</td><td>0.458</td><td>0.3</td><td>19.9</td><td>Flood Risk</td></tr><tr><td>2880 min Summer</td><td>6.722</td><td>0.446</td><td>0.3</td><td>18.8</td><td>Flood Risk</td></tr><tr><td>4320 min Summer</td><td>6.700</td><td>0.424</td><td>0.2</td><td>17.0</td><td>Flood Risk</td></tr><tr><td>5760 min Summer</td><td>6.680</td><td>0.404</td><td>0.2</td><td>15.5</td><td>Flood Risk</td></tr><tr><td>7200 min Summer</td><td>6.665</td><td>0.389</td><td>0.2</td><td>14.3</td><td>Flood Risk</td></tr><tr><td>8640 min Summer</td><td>6.652</td><td>0.376</td><td>0.2</td><td>13.3</td><td>Flood Risk</td></tr><tr><td>10080 min Summer</td><td>6.642</td><td>0.366</td><td>0.2</td><td>12.6</td><td>Flood Risk</td></tr><tr><td>15 min Winter</td><td>6.609</td><td>0.333</td><td>0.2</td><td>10.2</td><td>Flood Risk</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>141.164</td><td>0.0</td><td>19</td></tr><tr><td>30 min Summer</td><td>94.700</td><td>0.0</td><td>34</td></tr><tr><td>60 min Summer</td><td>60.903</td><td>0.0</td><td>64</td></tr><tr><td>120 min Summer</td><td>36.128</td><td>0.0</td><td>122</td></tr><tr><td>180 min Summer</td><td>26.473</td><td>0.0</td><td>182</td></tr><tr><td>240 min Summer</td><td>21.126</td><td>0.0</td><td>242</td></tr><tr><td>360 min Summer</td><td>15.214</td><td>0.0</td><td>362</td></tr><tr><td>480 min Summer</td><td>12.016</td><td>0.0</td><td>480</td></tr><tr><td>600 min Summer</td><td>9.993</td><td>0.0</td><td>582</td></tr><tr><td>720 min Summer</td><td>8.590</td><td>0.0</td><td>622</td></tr><tr><td>960 min Summer</td><td>6.756</td><td>0.0</td><td>742</td></tr><tr><td>1440 min Summer</td><td>4.823</td><td>0.0</td><td>996</td></tr><tr><td>2160 min Summer</td><td>3.462</td><td>0.0</td><td>1408</td></tr><tr><td>2880 min Summer</td><td>2.754</td><td>0.0</td><td>1820</td></tr><tr><td>4320 min Summer</td><td>2.025</td><td>0.0</td><td>2636</td></tr><tr><td>5760 min Summer</td><td>1.648</td><td>0.0</td><td>3408</td></tr><tr><td>7200 min Summer</td><td>1.419</td><td>0.0</td><td>4184</td></tr><tr><td>8640 min Summer</td><td>1.264</td><td>0.0</td><td>4928</td></tr><tr><td>10080 min Summer</td><td>1.153</td><td>0.0</td><td>5648</td></tr><tr><td>15 min Winter</td><td>141.164</td><td>0.0</td><td>19</td></tr></table> |               |                               |                        |                                                                                     |            | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 6.589 | 0.313 | 0.2 | 8.9 | Flood Risk | 30 min Summer | 6.641 | 0.365 | 0.2 | 12.5 | Flood Risk | 60 min Summer | 6.692 | 0.416 | 0.2 | 16.4 | Flood Risk | 120 min Summer | 6.727 | 0.451 | 0.3 | 19.2 | Flood Risk | 180 min Summer | 6.745 | 0.469 | 0.3 | 20.8 | Flood Risk | 240 min Summer | 6.756 | 0.480 | 0.3 | 21.7 | Flood Risk | 360 min Summer | 6.765 | 0.489 | 0.3 | 22.5 | Flood Risk | 480 min Summer | 6.767 | 0.491 | 0.3 | 22.6 | Flood Risk | 600 min Summer | 6.765 | 0.489 | 0.3 | 22.5 | Flood Risk | 720 min Summer | 6.763 | 0.487 | 0.3 | 22.3 | Flood Risk | 960 min Summer | 6.758 | 0.482 | 0.3 | 21.9 | Flood Risk | 1440 min Summer | 6.748 | 0.472 | 0.3 | 21.1 | Flood Risk | 2160 min Summer | 6.734 | 0.458 | 0.3 | 19.9 | Flood Risk | 2880 min Summer | 6.722 | 0.446 | 0.3 | 18.8 | Flood Risk | 4320 min Summer | 6.700 | 0.424 | 0.2 | 17.0 | Flood Risk | 5760 min Summer | 6.680 | 0.404 | 0.2 | 15.5 | Flood Risk | 7200 min Summer | 6.665 | 0.389 | 0.2 | 14.3 | Flood Risk | 8640 min Summer | 6.652 | 0.376 | 0.2 | 13.3 | Flood Risk | 10080 min Summer | 6.642 | 0.366 | 0.2 | 12.6 | Flood Risk | 15 min Winter | 6.609 | 0.333 | 0.2 | 10.2 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 141.164 | 0.0 | 19 | 30 min Summer | 94.700 | 0.0 | 34 | 60 min Summer | 60.903 | 0.0 | 64 | 120 min Summer | 36.128 | 0.0 | 122 | 180 min Summer | 26.473 | 0.0 | 182 | 240 min Summer | 21.126 | 0.0 | 242 | 360 min Summer | 15.214 | 0.0 | 362 | 480 min Summer | 12.016 | 0.0 | 480 | 600 min Summer | 9.993 | 0.0 | 582 | 720 min Summer | 8.590 | 0.0 | 622 | 960 min Summer | 6.756 | 0.0 | 742 | 1440 min Summer | 4.823 | 0.0 | 996 | 2160 min Summer | 3.462 | 0.0 | 1408 | 2880 min Summer | 2.754 | 0.0 | 1820 | 4320 min Summer | 2.025 | 0.0 | 2636 | 5760 min Summer | 1.648 | 0.0 | 3408 | 7200 min Summer | 1.419 | 0.0 | 4184 | 8640 min Summer | 1.264 | 0.0 | 4928 | 10080 min Summer | 1.153 | 0.0 | 5648 | 15 min Winter | 141.164 | 0.0 | 19 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Max Level (m) | Max Depth (m)                 | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status     |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.589         | 0.313                         | 0.2                    | 8.9                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.641         | 0.365                         | 0.2                    | 12.5                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.692         | 0.416                         | 0.2                    | 16.4                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.727         | 0.451                         | 0.3                    | 19.2                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 6.758         | 0.482                         | 0.3                    | 21.9                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.748         | 0.472                         | 0.3                    | 21.1                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.734         | 0.458                         | 0.3                    | 19.9                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.722         | 0.446                         | 0.3                    | 18.8                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.700         | 0.424                         | 0.2                    | 17.0                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.665         | 0.389                         | 0.2                    | 14.3                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 6.652         | 0.376                         | 0.2                    | 13.3                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6.642         | 0.366                         | 0.2                    | 12.6                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 6.609         | 0.333                         | 0.2                    | 10.2                                                                                | Flood Risk |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rain (mm/hr)  | Flooded Volume (m³)           | Time-Peak (mins)       |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 141.164       | 0.0                           | 19                     |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 94.700        | 0.0                           | 34                     |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |  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   |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1.264         | 0.0                           | 4928                   |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 1.153         | 0.0                           | 5648                   |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 141.164       | 0.0                           | 19                     |                                                                                     |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
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                                    |            |             |               |               |                        |                 |        |               |       |       |     |     |            |               |       |       |     |      |            |               |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                 |       |       |     |      |            |                  |       |       |     |      |            |               |       |       |     |      |            |             |              |                     |                  |               |         |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                             |                     |                                                                      |                              |                                                                                     |            |
|-------------------------------------------------------------|---------------------|----------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|------------|
| Odyssey                                                     |                     |                                                                      |                              | Page 2                                                                              |            |
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF    |                     | Stakers Farm, Yapton - 19-156<br>As built - Access Road<br>Plots 3-8 |                              |  |            |
| Date 20/04/2022 10:11<br>File As-built_Acces Road Flo...    |                     | Designed by WindesPC5<br>Checked by                                  |                              |                                                                                     |            |
| Innovyze                                                    |                     | Source Control 2020.1.3                                              |                              |                                                                                     |            |
| <u>Summary of Results for 100 year Return Period (+40%)</u> |                     |                                                                      |                              |                                                                                     |            |
| Storm<br>Event                                              | Max<br>Level<br>(m) | Max<br>Depth<br>(m)                                                  | Max<br>Infiltration<br>(l/s) | Max<br>Volume<br>(m³)                                                               | Status     |
| 30 min Winter                                               | 6.664               | 0.388                                                                | 0.2                          | 14.2                                                                                | Flood Risk |
| 60 min Winter                                               | 6.719               | 0.443                                                                | 0.3                          | 18.6                                                                                | Flood Risk |
| 120 min Winter                                              | 6.757               | 0.481                                                                | 0.3                          | 21.8                                                                                | Flood Risk |
| 180 min Winter                                              | 6.779               | 0.503                                                                | 0.3                          | 23.6                                                                                | Flood Risk |
| 240 min Winter                                              | 6.791               | 0.515                                                                | 0.3                          | 24.7                                                                                | Flood Risk |
| 360 min Winter                                              | 6.803               | 0.527                                                                | 0.3                          | 25.7                                                                                | Flood Risk |
| 480 min Winter                                              | 6.807               | 0.531                                                                | 0.3                          | 26.0                                                                                | Flood Risk |
| 600 min Winter                                              | 6.807               | 0.531                                                                | 0.3                          | 25.9                                                                                | Flood Risk |
| 720 min Winter                                              | 6.804               | 0.528                                                                | 0.3                          | 25.7                                                                                | Flood Risk |
| 960 min Winter                                              | 6.795               | 0.519                                                                | 0.3                          | 25.0                                                                                | Flood Risk |
| 1440 min Winter                                             | 6.781               | 0.505                                                                | 0.3                          | 23.9                                                                                | Flood Risk |
| 2160 min Winter                                             | 6.760               | 0.484                                                                | 0.3                          | 22.0                                                                                | Flood Risk |
| 2880 min Winter                                             | 6.740               | 0.464                                                                | 0.3                          | 20.4                                                                                | Flood Risk |
| 4320 min Winter                                             | 6.707               | 0.431                                                                | 0.2                          | 17.6                                                                                | Flood Risk |
| 5760 min Winter                                             | 6.678               | 0.402                                                                | 0.2                          | 15.3                                                                                | Flood Risk |
| 7200 min Winter                                             | 6.653               | 0.377                                                                | 0.2                          | 13.4                                                                                | Flood Risk |
| 8640 min Winter                                             | 6.634               | 0.358                                                                | 0.2                          | 12.0                                                                                | Flood Risk |
| 10080 min Winter                                            | 6.618               | 0.342                                                                | 0.2                          | 10.9                                                                                | Flood Risk |
| Storm<br>Event                                              | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³)                                            | Time-Peak<br>(mins)          |                                                                                     |            |
| 30 min Winter                                               | 94.700              | 0.0                                                                  | 33                           |                                                                                     |            |
| 60 min Winter                                               | 60.903              | 0.0                                                                  | 62                           |                                                                                     |            |
| 120 min Winter                                              | 36.128              | 0.0                                                                  | 122                          |                                                                                     |            |
| 180 min Winter                                              | 26.473              | 0.0                                                                  | 180                          |                                                                                     |            |
| 240 min Winter                                              | 21.126              | 0.0                                                                  | 238                          |                                                                                     |            |
| 360 min Winter                                              | 15.214              | 0.0                                                                  | 352                          |                                                                                     |            |
| 480 min Winter                                              | 12.016              | 0.0                                                                  | 466                          |                                                                                     |            |
| 600 min Winter                                              | 9.993               | 0.0                                                                  | 576                          |                                                                                     |            |
| 720 min Winter                                              | 8.590               | 0.0                                                                  | 680                          |                                                                                     |            |
| 960 min Winter                                              | 6.756               | 0.0                                                                  | 782                          |                                                                                     |            |
| 1440 min Winter                                             | 4.823               | 0.0                                                                  | 1080                         |                                                                                     |            |
| 2160 min Winter                                             | 3.462               | 0.0                                                                  | 1532                         |                                                                                     |            |
| 2880 min Winter                                             | 2.754               | 0.0                                                                  | 1960                         |                                                                                     |            |
| 4320 min Winter                                             | 2.025               | 0.0                                                                  | 2812                         |                                                                                     |            |
| 5760 min Winter                                             | 1.648               | 0.0                                                                  | 3632                         |                                                                                     |            |
| 7200 min Winter                                             | 1.419               | 0.0                                                                  | 4392                         |                                                                                     |            |
| 8640 min Winter                                             | 1.264               | 0.0                                                                  | 5112                         |                                                                                     |            |
| 10080 min Winter                                            | 1.153               | 0.0                                                                  | 5856                         |                                                                                     |            |
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|                                                          |                                                                      |                                                                                     |
|----------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Odyssey                                                  |                                                                      | Page 3                                                                              |
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF | Stakers Farm, Yapton - 19-156<br>As built - Access Road<br>Plots 3-8 |  |
| Date 20/04/2022 10:11<br>File As-built_Acces Road Plo... | Designed by WindesPC5<br>Checked by                                  |                                                                                     |
| Innovyze Source Control 2020.1.3                         |                                                                      |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 497682 103581 SU 97682 03581 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 0.750                           |
| Cv (Winter)           | 0.840                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +40                             |

Time Area Diagram

Total Area (ha) 0.041

| Time (mins) | Area     |
|-------------|----------|
| From:       | To: (ha) |
| 0           | 4 0.041  |

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|                                                          |                                                                      |                                                                                     |
|----------------------------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Odyssey                                                  |                                                                      | Page 4                                                                              |
| Tuscany House<br>White Hart Lane<br>Basingstoke RG21 4AF | Stakers Farm, Yapton - 19-156<br>As built - Access Road<br>Plots 3-8 |  |
| Date 20/04/2022 10:11<br>File As-built_Acces Road Plo... | Designed by WindesPC5<br>Checked by                                  |                                                                                     |
| Innovyze Source Control 2020.1.3                         |                                                                      |                                                                                     |

Model Details

Storage is Online Cover Level (m) 6.846

Complex Structure

Porous Car Park

|                                      |         |                         |       |
|--------------------------------------|---------|-------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00648 | Width (m)               | 8.0   |
| Membrane Percolation (mm/hr)         | 1000    | Length (m)              | 22.2  |
| Max Percolation (l/s)                | 49.3    | Slope (1:X)             | 70.0  |
| Safety Factor                        | 2.0     | Depression Storage (mm) | 5     |
| Porosity                             | 0.30    | Evaporation (mm/day)    | 3     |
| Invert Level (m)                     | 6.276   | Cap Volume Depth (m)    | 0.440 |

Porous Car Park

|                                      |         |                         |       |
|--------------------------------------|---------|-------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00648 | Width (m)               | 5.0   |
| Membrane Percolation (mm/hr)         | 1000    | Length (m)              | 10.0  |
| Max Percolation (l/s)                | 13.9    | Slope (1:X)             | 70.0  |
| Safety Factor                        | 2.0     | Depression Storage (mm) | 5     |
| Porosity                             | 0.30    | Evaporation (mm/day)    | 3     |
| Invert Level (m)                     | 6.476   | Cap Volume Depth (m)    | 0.440 |

Porous Car Park

|                                      |         |                         |       |
|--------------------------------------|---------|-------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00648 | Width (m)               | 4.1   |
| Membrane Percolation (mm/hr)         | 1000    | Length (m)              | 26.5  |
| Max Percolation (l/s)                | 30.2    | Slope (1:X)             | 78.0  |
| Safety Factor                        | 2.0     | Depression Storage (mm) | 5     |
| Porosity                             | 0.30    | Evaporation (mm/day)    | 3     |
| Invert Level (m)                     | 6.591   | Cap Volume Depth (m)    | 0.440 |

Porous Car Park

|                                      |         |                         |       |
|--------------------------------------|---------|-------------------------|-------|
| Infiltration Coefficient Base (m/hr) | 0.00648 | Width (m)               | 5.0   |
| Membrane Percolation (mm/hr)         | 1000    | Length (m)              | 5.0   |
| Max Percolation (l/s)                | 6.9     | Slope (1:X)             | 70.0  |
| Safety Factor                        | 2.0     | Depression Storage (mm) | 5     |
| Porosity                             | 0.30    | Evaporation (mm/day)    | 3     |
| Invert Level (m)                     | 6.679   | Cap Volume Depth (m)    | 0.440 |

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