

Our Ref: 10644/2.7  
YOUR REF -DM/25/0924

Katherine Williams  
Mid Sussex District Council

**BY EMAIL ONLY**

13<sup>th</sup> June 2025

Dear Ms Williams,

**Land E of Hurst Wickham Barn, Hurst - DM/25/0924 – DRAINAGE RESPONSE**

We are writing to respond to the comments received from the MSDC drainage team via yourself to Tim Rodway.

We would respond as follows:

**Surface Water**

*It is proposed for soakaways and a permeable subbase beneath the road to be utilised to discharge surface water from the site. This is acceptable in principle.*

*Evidence that a CV value of 1 has been utilised and that an allowance for urban creep has been applied.*

We have updated the calculations to reflect a CV value of 1. These are attached. The soakaways have been adjusted to suit.

*It should be demonstrated that soakaway C has a sufficient offset from the boundary and garage.*

We have relocated this soakaway to the west and moved to at least 5m from the boundary.

*A climate change allowance of 45% should be utilised.*

Calculations updated to reflect 45% climate change.

*Multiple elements of the drainage calculations and layout are not consistent. This includes but is not limited to the invert and cover levels of the storage structures and the slope of the gravel sub-base. For completeness, the drainage calculations and layout need to be consistent.*

We have thoroughly reviewed all the calculations and updated where necessary. The permeable paving segments have been renumbered and the cover level at the lowest point of each segment matches the calcs as well as the slope. Each calculation shows the depth of storage in the permeable paving is never over 300mm, which means the design is correct.

*It is not clear from the layout or calculations how the driveway porous sub-base areas have been split into the four calculated areas. Evidence should also be supplied that the individual areas split by the baffles are sufficiently sized. As above we have made this clearer now.*

*Details of the pollution mitigation measures for trafficked areas where runoff is not collected by the swales need to be provided.*

The client has requested that the impermeable driveway is revised to permeable NIDAg gravel filled plastic

**Civil Engineering - Transport Planning - Flood Risk**

GTA Civils & Transport, Maple House, 192-198 London Road, Burgess Hill, West Sussex, RH15 9RD  
T: 01444 871444 E: enquiries@gtacivils.co.uk www: gtacivils.co.uk  
GTA Civils & Transport Limited, Registered in England No. 11917461. VAT Registration No. 319 2609 02

retention devices. This now provides all treatment.

*A maintenance and management plan should be provided.*

See attached plan

### **Foul Water**

*It is proposed for foul water to discharge into a public sewer in College Lane. Although this is considered acceptable in principle, evidence of communication with Southern Water should be provided.*

We have made the Section 106 application and had the following response on the portal. We will be following up with the method statement and RAMS in the next few days so hopefully we should have an approval in the next 2 weeks.

We will send this on when received, but as Southern Water are minded to approve please can the condition be cleared without if you don't hear from us within the time MSDC check this?

We look forward to hearing from you.

Yours sincerely,



Martin Roberts IEng, ACIWEM, MCIHT  
Managing Director

**GTA Civils & Transport Ltd**

email: [mroberts@gtacivils.co.uk](mailto:mroberts@gtacivils.co.uk)

Direct Dial: 01444 225651

Encl:

Revised Microdrainage calculations

Updated drainage layout 10644\_1601-P3

Drainage Maintenance Plan

| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | Hurstwickham Barn<br>Cellular Soakaway A |                        |                 |  |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |    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| Date 01/06/2025<br>File 10644 Cellular SA A.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| <p>Summary of Results for 100 year Return Period (+45%)</p> <p>Half Drain Time : 147 minutes.</p> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>49.235</td><td>0.235</td><td>0.6</td><td>6.7</td><td>O K</td></tr><tr><td>30 min Summer</td><td>49.305</td><td>0.305</td><td>0.6</td><td>8.7</td><td>O K</td></tr><tr><td>60 min Summer</td><td>49.365</td><td>0.365</td><td>0.7</td><td>10.4</td><td>O K</td></tr><tr><td>120 min Summer</td><td>49.382</td><td>0.382</td><td>0.7</td><td>10.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>49.381</td><td>0.381</td><td>0.7</td><td>10.9</td><td>O K</td></tr><tr><td>240 min Summer</td><td>49.377</td><td>0.377</td><td>0.7</td><td>10.7</td><td>O K</td></tr><tr><td>360 min Summer</td><td>49.363</td><td>0.363</td><td>0.7</td><td>10.3</td><td>O K</td></tr><tr><td>480 min Summer</td><td>49.346</td><td>0.346</td><td>0.7</td><td>9.9</td><td>O K</td></tr><tr><td>600 min Summer</td><td>49.329</td><td>0.329</td><td>0.6</td><td>9.4</td><td>O K</td></tr><tr><td>720 min Summer</td><td>49.312</td><td>0.312</td><td>0.6</td><td>8.9</td><td>O K</td></tr><tr><td>960 min Summer</td><td>49.280</td><td>0.280</td><td>0.6</td><td>8.0</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>49.224</td><td>0.224</td><td>0.6</td><td>6.4</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>49.157</td><td>0.157</td><td>0.6</td><td>4.5</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>49.108</td><td>0.108</td><td>0.6</td><td>3.1</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>49.054</td><td>0.054</td><td>0.5</td><td>1.6</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>49.043</td><td>0.043</td><td>0.5</td><td>1.2</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>49.037</td><td>0.037</td><td>0.4</td><td>1.1</td><td>O K</td></tr><tr><td>8640 min 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min Summer</td><td>11.557</td><td>0.0</td><td>386</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>454</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>588</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>840</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1212</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1556</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2208</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2936</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3656</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4360</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5136</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>18</td></tr></tbody></table> |               |                                          |                        |                 |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 49.235 | 0.235 | 0.6 | 6.7 | O K | 30 min Summer | 49.305 | 0.305 | 0.6 | 8.7 | O K | 60 min Summer | 49.365 | 0.365 | 0.7 | 10.4 | O K | 120 min Summer | 49.382 | 0.382 | 0.7 | 10.9 | O K | 180 min Summer | 49.381 | 0.381 | 0.7 | 10.9 | O K | 240 min Summer | 49.377 | 0.377 | 0.7 | 10.7 | O K | 360 min Summer | 49.363 | 0.363 | 0.7 | 10.3 | O K | 480 min Summer | 49.346 | 0.346 | 0.7 | 9.9 | O K | 600 min Summer | 49.329 | 0.329 | 0.6 | 9.4 | O K | 720 min Summer | 49.312 | 0.312 | 0.6 | 8.9 | O K | 960 min Summer | 49.280 | 0.280 | 0.6 | 8.0 | O K | 1440 min Summer | 49.224 | 0.224 | 0.6 | 6.4 | O K | 2160 min Summer | 49.157 | 0.157 | 0.6 | 4.5 | O K | 2880 min Summer | 49.108 | 0.108 | 0.6 | 3.1 | O K | 4320 min Summer | 49.054 | 0.054 | 0.5 | 1.6 | O K | 5760 min Summer | 49.043 | 0.043 | 0.5 | 1.2 | O K | 7200 min Summer | 49.037 | 0.037 | 0.4 | 1.1 | O K | 8640 min Summer | 49.033 | 0.033 | 0.3 | 0.9 | O K | 10080 min Summer | 49.029 | 0.029 | 0.3 | 0.8 | O K | 15 min Winter | 49.235 | 0.235 | 0.6 | 6.7 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 18 | 30 min Summer | 101.035 | 0.0 | 33 | 60 min Summer | 64.437 | 0.0 | 62 | 120 min Summer | 38.373 | 0.0 | 118 | 180 min Summer | 28.380 | 0.0 | 148 | 240 min Summer | 22.913 | 0.0 | 180 | 360 min Summer | 16.929 | 0.0 | 248 | 480 min Summer | 13.654 | 0.0 | 316 | 600 min Summer | 11.557 | 0.0 | 386 | 720 min Summer | 10.086 | 0.0 | 454 | 960 min Summer | 8.138 | 0.0 | 588 | 1440 min Summer | 6.048 | 0.0 | 840 | 2160 min Summer | 4.512 | 0.0 | 1212 | 2880 min Summer | 3.667 | 0.0 | 1556 | 4320 min Summer | 2.736 | 0.0 | 2208 | 5760 min Summer | 2.225 | 0.0 | 2936 | 7200 min Summer | 1.897 | 0.0 | 3656 | 8640 min Summer | 1.668 | 0.0 | 4360 | 10080 min Summer | 1.498 | 0.0 | 5136 | 15 min Winter | 150.691 | 0.0 | 18 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³) | Status                                                                              |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 49.235        | 0.235                                    | 0.6                    | 6.7             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 49.305        | 0.305                                    | 0.6                    | 8.7             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 49.365        | 0.365                                    | 0.7                    | 10.4            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.382        | 0.382                                    | 0.7                    | 10.9            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.381        | 0.381                                    | 0.7                    | 10.9            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.377        | 0.377                                    | 0.7                    | 10.7            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.363        | 0.363                                    | 0.7                    | 10.3            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.346        | 0.346                                    | 0.7                    | 9.9             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.329        | 0.329                                    | 0.6                    | 9.4             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.312        | 0.312                                    | 0.6                    | 8.9             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 49.280        | 0.280                                    | 0.6                    | 8.0             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.224        | 0.224                                    | 0.6                    | 6.4             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.157        | 0.157                                    | 0.6                    | 4.5             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.108        | 0.108                                    | 0.6                    | 3.1             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.054        | 0.054                                    | 0.5                    | 1.6             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 49.043        | 0.043                                    | 0.5                    | 1.2             | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 22.913        | 0.0                                      | 180                    |                 |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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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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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |      |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                                                              |                     |                                          |                              |                                                                                     |        |
|--------------------------------------------------------------|---------------------|------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|--------|
| GTA Civils Ltd                                               |                     |                                          |                              | Page 2                                                                              |        |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS |                     | Hurstwickham Barn<br>Cellular Soakaway A |                              |  |        |
| Date 01/06/2025<br>File 10644 Cellular SA A.SRCX             |                     | Designed by CM<br>Checked by MR          |                              |                                                                                     |        |
| Micro Drainage                                               |                     | Source Control 2020.1.3                  |                              |                                                                                     |        |
| Summary of Results for 100 year Return Period (+45%)         |                     |                                          |                              |                                                                                     |        |
| 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                                                | 49.306              | 0.306                                    | 0.6                          | 8.7                                                                                 | O K    |
| 60 min Winter                                                | 49.366              | 0.366                                    | 0.7                          | 10.4                                                                                | O K    |
| 120 min Winter                                               | 49.386              | 0.386                                    | 0.7                          | 11.0                                                                                | O K    |
| 180 min Winter                                               | 49.381              | 0.381                                    | 0.7                          | 10.9                                                                                | O K    |
| 240 min Winter                                               | 49.375              | 0.375                                    | 0.7                          | 10.7                                                                                | O K    |
| 360 min Winter                                               | 49.354              | 0.354                                    | 0.7                          | 10.1                                                                                | O K    |
| 480 min Winter                                               | 49.328              | 0.328                                    | 0.6                          | 9.3                                                                                 | O K    |
| 600 min Winter                                               | 49.302              | 0.302                                    | 0.6                          | 8.6                                                                                 | O K    |
| 720 min Winter                                               | 49.276              | 0.276                                    | 0.6                          | 7.9                                                                                 | O K    |
| 960 min Winter                                               | 49.228              | 0.228                                    | 0.6                          | 6.5                                                                                 | O K    |
| 1440 min Winter                                              | 49.149              | 0.149                                    | 0.6                          | 4.3                                                                                 | O K    |
| 2160 min Winter                                              | 49.070              | 0.070                                    | 0.5                          | 2.0                                                                                 | O K    |
| 2880 min Winter                                              | 49.046              | 0.046                                    | 0.5                          | 1.3                                                                                 | O K    |
| 4320 min Winter                                              | 49.035              | 0.035                                    | 0.4                          | 1.0                                                                                 | O K    |
| 5760 min Winter                                              | 49.028              | 0.028                                    | 0.3                          | 0.8                                                                                 | O K    |
| 7200 min Winter                                              | 49.024              | 0.024                                    | 0.3                          | 0.7                                                                                 | O K    |
| 8640 min Winter                                              | 49.021              | 0.021                                    | 0.2                          | 0.6                                                                                 | O K    |
| 10080 min Winter                                             | 49.019              | 0.019                                    | 0.2                          | 0.5                                                                                 | O K    |
| Storm<br>Event                                               | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³)                | Time-Peak<br>(mins)          |                                                                                     |        |
| 30 min Winter                                                | 101.035             | 0.0                                      | 32                           |                                                                                     |        |
| 60 min Winter                                                | 64.437              | 0.0                                      | 60                           |                                                                                     |        |
| 120 min Winter                                               | 38.373              | 0.0                                      | 116                          |                                                                                     |        |
| 180 min Winter                                               | 28.380              | 0.0                                      | 152                          |                                                                                     |        |
| 240 min Winter                                               | 22.913              | 0.0                                      | 186                          |                                                                                     |        |
| 360 min Winter                                               | 16.929              | 0.0                                      | 264                          |                                                                                     |        |
| 480 min Winter                                               | 13.654              | 0.0                                      | 338                          |                                                                                     |        |
| 600 min Winter                                               | 11.557              | 0.0                                      | 412                          |                                                                                     |        |
| 720 min Winter                                               | 10.086              | 0.0                                      | 484                          |                                                                                     |        |
| 960 min Winter                                               | 8.138               | 0.0                                      | 618                          |                                                                                     |        |
| 1440 min Winter                                              | 6.048               | 0.0                                      | 868                          |                                                                                     |        |
| 2160 min Winter                                              | 4.512               | 0.0                                      | 1192                         |                                                                                     |        |
| 2880 min Winter                                              | 3.667               | 0.0                                      | 1496                         |                                                                                     |        |
| 4320 min Winter                                              | 2.736               | 0.0                                      | 2204                         |                                                                                     |        |
| 5760 min Winter                                              | 2.225               | 0.0                                      | 2928                         |                                                                                     |        |
| 7200 min Winter                                              | 1.897               | 0.0                                      | 3632                         |                                                                                     |        |
| 8640 min Winter                                              | 1.668               | 0.0                                      | 4368                         |                                                                                     |        |
| 10080 min Winter                                             | 1.498               | 0.0                                      | 5096                         |                                                                                     |        |
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|                                                              |                                          |                                                                                     |
|--------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                          | Page 3                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurstwickham Barn<br>Cellular Soakaway A |  |
| Date 01/06/2025<br>File 10644 Cellular SA A.SRCX             | Designed by CM<br>Checked by MR          |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                          |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 529199 116340 TQ 29199 16340 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 1.000                           |
| Cv (Winter)           | 1.000                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +45                             |

Time Area Diagram

Total Area (ha) 0.019

|       | Time (mins) | Area    |
|-------|-------------|---------|
| From: | To:         | (ha)    |
|       | 0           | 4 0.019 |

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|                                                              |                                          |                                                                                     |
|--------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                          | Page 4                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurstwickham Barn<br>Cellular Soakaway A |  |
| Date 01/06/2025<br>File 10644 Cellular SA A.SRCX             | Designed by CM<br>Checked by MR          |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                          |                                                                                     |

Model Details

Storage is Online Cover Level (m) 50.620

Cellular Storage Structure

Invert Level (m) 49.000 Safety Factor 2.0  
Infiltration Coefficient Base (m/hr) 0.12132 Porosity 0.95  
Infiltration Coefficient Side (m/hr) 0.12132

| Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 0.000     | 30.0                   | 30.0                        | 0.500     | 0.0                    | 40.4                        |
| 0.400     | 30.0                   | 40.4                        |           |                        |                             |

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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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----|-----|-----|-----|------------------|--------|-------|-----|-----|-----|---------------|--------|-------|-----|-----|-----|-------------|--------------|---------------------|------------------|---------------|---------|-----|----|---------------|---------|-----|----|---------------|--------|-----|----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|-------|-----|-----|-----------------|-------|-----|-----|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|------------------|-------|-----|------|---------------|---------|-----|----|
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | Hurstwickham Barn<br>Cellular Soakaway B |                        |  |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |           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| Date 10/06/2025 15:28<br>File 10644 Cellular SA B.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               | Designed by CM<br>Checked by MR          |                        |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| <p>Summary of Results for 100 year Return Period (+45%)</p> <p>Half Drain Time : 150 minutes.</p> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>49.941</td><td>0.241</td><td>0.4</td><td>4.6</td><td>O K</td></tr><tr><td>30 min Summer</td><td>50.012</td><td>0.312</td><td>0.5</td><td>5.9</td><td>O K</td></tr><tr><td>60 min Summer</td><td>50.072</td><td>0.372</td><td>0.5</td><td>7.1</td><td>O K</td></tr><tr><td>120 min Summer</td><td>50.086</td><td>0.386</td><td>0.5</td><td>7.3</td><td>O K</td></tr><tr><td>180 min Summer</td><td>50.086</td><td>0.386</td><td>0.5</td><td>7.3</td><td>O K</td></tr><tr><td>240 min Summer</td><td>50.081</td><td>0.381</td><td>0.5</td><td>7.2</td><td>O K</td></tr><tr><td>360 min Summer</td><td>50.066</td><td>0.366</td><td>0.5</td><td>7.0</td><td>O K</td></tr><tr><td>480 min Summer</td><td>50.049</td><td>0.349</td><td>0.5</td><td>6.6</td><td>O K</td></tr><tr><td>600 min Summer</td><td>50.031</td><td>0.331</td><td>0.5</td><td>6.3</td><td>O K</td></tr><tr><td>720 min Summer</td><td>50.014</td><td>0.314</td><td>0.5</td><td>6.0</td><td>O K</td></tr><tr><td>960 min Summer</td><td>49.980</td><td>0.280</td><td>0.5</td><td>5.3</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>49.924</td><td>0.224</td><td>0.4</td><td>4.3</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>49.858</td><td>0.158</td><td>0.4</td><td>3.0</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>49.810</td><td>0.110</td><td>0.4</td><td>2.1</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>49.756</td><td>0.056</td><td>0.4</td><td>1.1</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>49.744</td><td>0.044</td><td>0.3</td><td>0.8</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>49.737</td><td>0.037</td><td>0.3</td><td>0.7</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>49.733</td><td>0.033</td><td>0.2</td><td>0.6</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>49.730</td><td>0.030</td><td>0.2</td><td>0.6</td><td>O K</td></tr><tr><td>15 min Winter</td><td>49.941</td><td>0.241</td><td>0.4</td><td>4.6</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>150.691</td><td>0.0</td><td>18</td></tr><tr><td>30 min Summer</td><td>101.035</td><td>0.0</td><td>32</td></tr><tr><td>60 min Summer</td><td>64.437</td><td>0.0</td><td>62</td></tr><tr><td>120 min Summer</td><td>38.373</td><td>0.0</td><td>114</td></tr><tr><td>180 min Summer</td><td>28.380</td><td>0.0</td><td>142</td></tr><tr><td>240 min Summer</td><td>22.913</td><td>0.0</td><td>174</td></tr><tr><td>360 min Summer</td><td>16.929</td><td>0.0</td><td>244</td></tr><tr><td>480 min Summer</td><td>13.654</td><td>0.0</td><td>314</td></tr><tr><td>600 min Summer</td><td>11.557</td><td>0.0</td><td>382</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>450</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>580</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>838</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1208</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1556</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2208</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2936</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4408</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5104</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>18</td></tr></tbody></table> |               |                                          |                        |                                                                                     |        | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 49.941 | 0.241 | 0.4 | 4.6 | O K | 30 min Summer | 50.012 | 0.312 | 0.5 | 5.9 | O K | 60 min Summer | 50.072 | 0.372 | 0.5 | 7.1 | O K | 120 min Summer | 50.086 | 0.386 | 0.5 | 7.3 | O K | 180 min Summer | 50.086 | 0.386 | 0.5 | 7.3 | O K | 240 min Summer | 50.081 | 0.381 | 0.5 | 7.2 | O K | 360 min Summer | 50.066 | 0.366 | 0.5 | 7.0 | O K | 480 min Summer | 50.049 | 0.349 | 0.5 | 6.6 | O K | 600 min Summer | 50.031 | 0.331 | 0.5 | 6.3 | O K | 720 min Summer | 50.014 | 0.314 | 0.5 | 6.0 | O K | 960 min Summer | 49.980 | 0.280 | 0.5 | 5.3 | O K | 1440 min Summer | 49.924 | 0.224 | 0.4 | 4.3 | O K | 2160 min Summer | 49.858 | 0.158 | 0.4 | 3.0 | O K | 2880 min Summer | 49.810 | 0.110 | 0.4 | 2.1 | O K | 4320 min Summer | 49.756 | 0.056 | 0.4 | 1.1 | O K | 5760 min Summer | 49.744 | 0.044 | 0.3 | 0.8 | O K | 7200 min Summer | 49.737 | 0.037 | 0.3 | 0.7 | O K | 8640 min Summer | 49.733 | 0.033 | 0.2 | 0.6 | O K | 10080 min Summer | 49.730 | 0.030 | 0.2 | 0.6 | O K | 15 min Winter | 49.941 | 0.241 | 0.4 | 4.6 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 18 | 30 min Summer | 101.035 | 0.0 | 32 | 60 min Summer | 64.437 | 0.0 | 62 | 120 min Summer | 38.373 | 0.0 | 114 | 180 min Summer | 28.380 | 0.0 | 142 | 240 min Summer | 22.913 | 0.0 | 174 | 360 min Summer | 16.929 | 0.0 | 244 | 480 min Summer | 13.654 | 0.0 | 314 | 600 min Summer | 11.557 | 0.0 | 382 | 720 min Summer | 10.086 | 0.0 | 450 | 960 min Summer | 8.138 | 0.0 | 580 | 1440 min Summer | 6.048 | 0.0 | 838 | 2160 min Summer | 4.512 | 0.0 | 1208 | 2880 min Summer | 3.667 | 0.0 | 1556 | 4320 min Summer | 2.736 | 0.0 | 2208 | 5760 min Summer | 2.225 | 0.0 | 2936 | 7200 min Summer | 1.897 | 0.0 | 3672 | 8640 min Summer | 1.668 | 0.0 | 4408 | 10080 min Summer | 1.498 | 0.0 | 5104 | 15 min Winter | 150.691 | 0.0 | 18 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 49.941        | 0.241                                    | 0.4                    | 4.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50.012        | 0.312                                    | 0.5                    | 5.9                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50.072        | 0.372                                    | 0.5                    | 7.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.086        | 0.386                                    | 0.5                    | 7.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.086        | 0.386                                    | 0.5                    | 7.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.081        | 0.381                                    | 0.5                    | 7.2                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.049        | 0.349                                    | 0.5                    | 6.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.031        | 0.331                                    | 0.5                    | 6.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 50.014        | 0.314                                    | 0.5                    | 6.0                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 49.980        | 0.280                                    | 0.5                    | 5.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.924        | 0.224                                    | 0.4                    | 4.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.858        | 0.158                                    | 0.4                    | 3.0                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.810        | 0.110                                    | 0.4                    | 2.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.756        | 0.056                                    | 0.4                    | 1.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.744        | 0.044                                    | 0.3                    | 0.8                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.737        | 0.037                                    | 0.3                    | 0.7                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.733        | 0.033                                    | 0.2                    | 0.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 49.730        | 0.030                                    | 0.2                    | 0.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 49.941        | 0.241                                    | 0.4                    | 4.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rain (mm/hr)  | Flooded Volume (m³)                      | Time-Peak (mins)       |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 150.691       | 0.0                                      | 18                     |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3.667         | 0.0                                      | 1556                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.736         | 0.0                                      | 2208                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.225         | 0.0                                      | 2936                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.897         | 0.0                                      | 3672                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.668         | 0.0                                      | 4408                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.498         | 0.0                                      | 5104                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 150.691       | 0.0                                      | 18                     |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
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          |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                              |                     |                                          |                              |                                                                                     |        |
|--------------------------------------------------------------|---------------------|------------------------------------------|------------------------------|-------------------------------------------------------------------------------------|--------|
| GTA Civils Ltd                                               |                     |                                          |                              | Page 2                                                                              |        |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS |                     | Hurstwickham Barn<br>Cellular Soakaway B |                              |  |        |
| Date 10/06/2025 15:28<br>File 10644 Cellular SA B.SRCX       |                     | Designed by CM<br>Checked by MR          |                              |                                                                                     |        |
| Micro Drainage                                               |                     | Source Control 2020.1.3                  |                              |                                                                                     |        |
| Summary of Results for 100 year Return Period (+45%)         |                     |                                          |                              |                                                                                     |        |
| 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                                                | 50.012              | 0.312                                    | 0.5                          | 5.9                                                                                 | O K    |
| 60 min Winter                                                | 50.073              | 0.373                                    | 0.5                          | 7.1                                                                                 | O K    |
| 120 min Winter                                               | 50.090              | 0.390                                    | 0.5                          | 7.4                                                                                 | O K    |
| 180 min Winter                                               | 50.086              | 0.386                                    | 0.5                          | 7.3                                                                                 | O K    |
| 240 min Winter                                               | 50.079              | 0.379                                    | 0.5                          | 7.2                                                                                 | O K    |
| 360 min Winter                                               | 50.055              | 0.355                                    | 0.5                          | 6.8                                                                                 | O K    |
| 480 min Winter                                               | 50.029              | 0.329                                    | 0.5                          | 6.2                                                                                 | O K    |
| 600 min Winter                                               | 50.001              | 0.301                                    | 0.5                          | 5.7                                                                                 | O K    |
| 720 min Winter                                               | 49.975              | 0.275                                    | 0.4                          | 5.2                                                                                 | O K    |
| 960 min Winter                                               | 49.927              | 0.227                                    | 0.4                          | 4.3                                                                                 | O K    |
| 1440 min Winter                                              | 49.850              | 0.150                                    | 0.4                          | 2.9                                                                                 | O K    |
| 2160 min Winter                                              | 49.772              | 0.072                                    | 0.4                          | 1.4                                                                                 | O K    |
| 2880 min Winter                                              | 49.746              | 0.046                                    | 0.3                          | 0.9                                                                                 | O K    |
| 4320 min Winter                                              | 49.735              | 0.035                                    | 0.2                          | 0.7                                                                                 | O K    |
| 5760 min Winter                                              | 49.728              | 0.028                                    | 0.2                          | 0.5                                                                                 | O K    |
| 7200 min Winter                                              | 49.724              | 0.024                                    | 0.2                          | 0.5                                                                                 | O K    |
| 8640 min Winter                                              | 49.721              | 0.021                                    | 0.2                          | 0.4                                                                                 | O K    |
| 10080 min Winter                                             | 49.719              | 0.019                                    | 0.1                          | 0.4                                                                                 | O K    |
| Storm<br>Event                                               | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³)                | Time-Peak<br>(mins)          |                                                                                     |        |
| 30 min Winter                                                | 101.035             | 0.0                                      | 32                           |                                                                                     |        |
| 60 min Winter                                                | 64.437              | 0.0                                      | 60                           |                                                                                     |        |
| 120 min Winter                                               | 38.373              | 0.0                                      | 116                          |                                                                                     |        |
| 180 min Winter                                               | 28.380              | 0.0                                      | 146                          |                                                                                     |        |
| 240 min Winter                                               | 22.913              | 0.0                                      | 184                          |                                                                                     |        |
| 360 min Winter                                               | 16.929              | 0.0                                      | 262                          |                                                                                     |        |
| 480 min Winter                                               | 13.654              | 0.0                                      | 336                          |                                                                                     |        |
| 600 min Winter                                               | 11.557              | 0.0                                      | 408                          |                                                                                     |        |
| 720 min Winter                                               | 10.086              | 0.0                                      | 478                          |                                                                                     |        |
| 960 min Winter                                               | 8.138               | 0.0                                      | 616                          |                                                                                     |        |
| 1440 min Winter                                              | 6.048               | 0.0                                      | 866                          |                                                                                     |        |
| 2160 min Winter                                              | 4.512               | 0.0                                      | 1192                         |                                                                                     |        |
| 2880 min Winter                                              | 3.667               | 0.0                                      | 1476                         |                                                                                     |        |
| 4320 min Winter                                              | 2.736               | 0.0                                      | 2204                         |                                                                                     |        |
| 5760 min Winter                                              | 2.225               | 0.0                                      | 2944                         |                                                                                     |        |
| 7200 min Winter                                              | 1.897               | 0.0                                      | 3672                         |                                                                                     |        |
| 8640 min Winter                                              | 1.668               | 0.0                                      | 4408                         |                                                                                     |        |
| 10080 min Winter                                             | 1.498               | 0.0                                      | 5024                         |                                                                                     |        |
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|                                                              |                                          |                                                                                     |
|--------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                          | Page 3                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurstwickham Barn<br>Cellular Soakaway B |  |
| Date 10/06/2025 15:28<br>File 10644 Cellular SA B.SRCX       | Designed by CM<br>Checked by MR          |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                          |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 529199 116340 TQ 29199 16340 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 1.000                           |
| Cv (Winter)           | 1.000                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +45                             |

Time Area Diagram

Total Area (ha) 0.013

| Time (mins) |     | Area  |
|-------------|-----|-------|
| From:       | To: | (ha)  |
| 0           | 4   | 0.013 |

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|                                                              |                                          |                                                                                     |
|--------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                          | Page 4                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurstwickham Barn<br>Cellular Soakaway B |  |
| Date 10/06/2025 15:28<br>File 10644 Cellular SA B.SRCX       | Designed by CM<br>Checked by MR          |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                          |                                                                                     |

Model Details

Storage is Online Cover Level (m) 50.780

Cellular Storage Structure

Invert Level (m) 49.700 Safety Factor 2.0  
Infiltration Coefficient Base (m/hr) 0.12132 Porosity 0.95  
Infiltration Coefficient Side (m/hr) 0.12132

| Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 0.000     | 20.0                   | 20.0                        | 0.500     | 0.0                    | 29.6                        |
| 0.400     | 20.0                   | 29.6                        |           |                        |                             |

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|                                                               |               |                                          |                        |                                                                                     |        |
|---------------------------------------------------------------|---------------|------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------|
| GTA Civils Ltd                                                |               |                                          | Page 1                 |                                                                                     |        |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB |               | Hurstwickham Barn<br>Cellular Soakaway C |                        |  |        |
| Date 01/06/2025<br>File 10644 Cellular SA C.SRCX              |               | Designed by CM<br>Checked by MR          |                        |                                                                                     |        |
| XP Solutions                                                  |               | Source Control 2020.1.3                  |                        |                                                                                     |        |
| Summary of Results for 100 year Return Period (+45%)          |               |                                          |                        |                                                                                     |        |
| Half Drain Time : 123 minutes.                                |               |                                          |                        |                                                                                     |        |
| Storm Event                                                   | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status |
| 15 min Summer                                                 | 51.153        | 0.253                                    | 0.4                    | 3.8                                                                                 | 0 K    |
| 30 min Summer                                                 | 51.226        | 0.326                                    | 0.5                    | 5.0                                                                                 | 0 K    |
| 60 min Summer                                                 | 51.284        | 0.384                                    | 0.5                    | 5.8                                                                                 | 0 K    |
| 120 min Summer                                                | 51.294        | 0.394                                    | 0.5                    | 6.0                                                                                 | 0 K    |
| 180 min Summer                                                | 51.293        | 0.393                                    | 0.5                    | 6.0                                                                                 | 0 K    |
| 240 min Summer                                                | 51.287        | 0.387                                    | 0.5                    | 5.9                                                                                 | 0 K    |
| 360 min Summer                                                | 51.269        | 0.369                                    | 0.5                    | 5.6                                                                                 | 0 K    |
| 480 min Summer                                                | 51.249        | 0.349                                    | 0.5                    | 5.3                                                                                 | 0 K    |
| 600 min Summer                                                | 51.230        | 0.330                                    | 0.5                    | 5.0                                                                                 | 0 K    |
| 720 min Summer                                                | 51.211        | 0.311                                    | 0.4                    | 4.7                                                                                 | 0 K    |
| 960 min Summer                                                | 51.176        | 0.276                                    | 0.4                    | 4.2                                                                                 | 0 K    |
| 1440 min Summer                                               | 51.119        | 0.219                                    | 0.4                    | 3.3                                                                                 | 0 K    |
| 2160 min Summer                                               | 51.056        | 0.156                                    | 0.4                    | 2.4                                                                                 | 0 K    |
| 2880 min Summer                                               | 51.010        | 0.110                                    | 0.3                    | 1.7                                                                                 | 0 K    |
| 4320 min Summer                                               | 50.958        | 0.058                                    | 0.3                    | 0.9                                                                                 | 0 K    |
| 5760 min Summer                                               | 50.944        | 0.044                                    | 0.3                    | 0.7                                                                                 | 0 K    |
| 7200 min Summer                                               | 50.938        | 0.038                                    | 0.2                    | 0.6                                                                                 | 0 K    |
| 8640 min Summer                                               | 50.933        | 0.033                                    | 0.2                    | 0.5                                                                                 | 0 K    |
| 10080 min Summer                                              | 50.930        | 0.030                                    | 0.2                    | 0.5                                                                                 | 0 K    |
| 15 min Winter                                                 | 51.153        | 0.253                                    | 0.4                    | 3.8                                                                                 | 0 K    |
| Storm Event                                                   | Rain (mm/hr)  | Flooded Volume (m³)                      | Time-Peak (mins)       |                                                                                     |        |
| 15 min Summer                                                 | 150.691       | 0.0                                      | 18                     |                                                                                     |        |
| 30 min Summer                                                 | 101.035       | 0.0                                      | 32                     |                                                                                     |        |
| 60 min Summer                                                 | 64.437        | 0.0                                      | 62                     |                                                                                     |        |
| 120 min Summer                                                | 38.373        | 0.0                                      | 102                    |                                                                                     |        |
| 180 min Summer                                                | 28.380        | 0.0                                      | 134                    |                                                                                     |        |
| 240 min Summer                                                | 22.913        | 0.0                                      | 168                    |                                                                                     |        |
| 360 min Summer                                                | 16.929        | 0.0                                      | 236                    |                                                                                     |        |
| 480 min Summer                                                | 13.654        | 0.0                                      | 306                    |                                                                                     |        |
| 600 min Summer                                                | 11.557        | 0.0                                      | 374                    |                                                                                     |        |
| 720 min Summer                                                | 10.086        | 0.0                                      | 440                    |                                                                                     |        |
| 960 min Summer                                                | 8.138         | 0.0                                      | 570                    |                                                                                     |        |
| 1440 min Summer                                               | 6.048         | 0.0                                      | 824                    |                                                                                     |        |
| 2160 min Summer                                               | 4.512         | 0.0                                      | 1192                   |                                                                                     |        |
| 2880 min Summer                                               | 3.667         | 0.0                                      | 1556                   |                                                                                     |        |
| 4320 min Summer                                               | 2.736         | 0.0                                      | 2208                   |                                                                                     |        |
| 5760 min Summer                                               | 2.225         | 0.0                                      | 2936                   |                                                                                     |        |
| 7200 min Summer                                               | 1.897         | 0.0                                      | 3672                   |                                                                                     |        |
| 8640 min Summer                                               | 1.668         | 0.0                                      | 4400                   |                                                                                     |        |
| 10080 min Summer                                              | 1.498         | 0.0                                      | 5096                   |                                                                                     |        |
| 15 min Winter                                                 | 150.691       | 0.0                                      | 18                     |                                                                                     |        |
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|                                                               |               |                                          |                        |                                                                                     |        |
|---------------------------------------------------------------|---------------|------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------|
| GTA Civils Ltd                                                |               |                                          | Page 2                 |                                                                                     |        |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB |               | Hurstwickham Barn<br>Cellular Soakaway C |                        |  |        |
| Date 01/06/2025                                               |               | Designed by CM                           |                        |                                                                                     |        |
| File 10644 Cellular SA C.SRCX                                 |               | Checked by MR                            |                        |                                                                                     |        |
| XP Solutions                                                  |               | Source Control 2020.1.3                  |                        |                                                                                     |        |
| Summary of Results for 100 year Return Period (+45%)          |               |                                          |                        |                                                                                     |        |
| Storm Event                                                   | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status |
| 30 min Winter                                                 | 51.227        | 0.327                                    | 0.5                    | 5.0                                                                                 | 0 K    |
| 60 min Winter                                                 | 51.286        | 0.386                                    | 0.5                    | 5.9                                                                                 | 0 K    |
| 120 min Winter                                                | 51.296        | 0.396                                    | 0.5                    | 6.0                                                                                 | 0 K    |
| 180 min Winter                                                | 51.291        | 0.391                                    | 0.5                    | 5.9                                                                                 | 0 K    |
| 240 min Winter                                                | 51.282        | 0.382                                    | 0.5                    | 5.8                                                                                 | 0 K    |
| 360 min Winter                                                | 51.254        | 0.354                                    | 0.5                    | 5.4                                                                                 | 0 K    |
| 480 min Winter                                                | 51.224        | 0.324                                    | 0.5                    | 4.9                                                                                 | 0 K    |
| 600 min Winter                                                | 51.195        | 0.295                                    | 0.4                    | 4.5                                                                                 | 0 K    |
| 720 min Winter                                                | 51.169        | 0.269                                    | 0.4                    | 4.1                                                                                 | 0 K    |
| 960 min Winter                                                | 51.121        | 0.221                                    | 0.4                    | 3.4                                                                                 | 0 K    |
| 1440 min Winter                                               | 51.047        | 0.147                                    | 0.4                    | 2.2                                                                                 | 0 K    |
| 2160 min Winter                                               | 50.975        | 0.075                                    | 0.3                    | 1.1                                                                                 | 0 K    |
| 2880 min Winter                                               | 50.947        | 0.047                                    | 0.3                    | 0.7                                                                                 | 0 K    |
| 4320 min Winter                                               | 50.935        | 0.035                                    | 0.2                    | 0.5                                                                                 | 0 K    |
| 5760 min Winter                                               | 50.929        | 0.029                                    | 0.2                    | 0.4                                                                                 | 0 K    |
| 7200 min Winter                                               | 50.925        | 0.025                                    | 0.1                    | 0.4                                                                                 | 0 K    |
| 8640 min Winter                                               | 50.922        | 0.022                                    | 0.1                    | 0.3                                                                                 | 0 K    |
| 10080 min Winter                                              | 50.920        | 0.020                                    | 0.1                    | 0.3                                                                                 | 0 K    |
| Storm Event                                                   | Rain (mm/hr)  | Flooded Volume (m³)                      | Time-Peak (mins)       |                                                                                     |        |
| 30 min Winter                                                 | 101.035       | 0.0                                      | 32                     |                                                                                     |        |
| 60 min Winter                                                 | 64.437        | 0.0                                      | 60                     |                                                                                     |        |
| 120 min Winter                                                | 38.373        | 0.0                                      | 112                    |                                                                                     |        |
| 180 min Winter                                                | 28.380        | 0.0                                      | 140                    |                                                                                     |        |
| 240 min Winter                                                | 22.913        | 0.0                                      | 178                    |                                                                                     |        |
| 360 min Winter                                                | 16.929        | 0.0                                      | 254                    |                                                                                     |        |
| 480 min Winter                                                | 13.654        | 0.0                                      | 328                    |                                                                                     |        |
| 600 min Winter                                                | 11.557        | 0.0                                      | 398                    |                                                                                     |        |
| 720 min Winter                                                | 10.086        | 0.0                                      | 468                    |                                                                                     |        |
| 960 min Winter                                                | 8.138         | 0.0                                      | 600                    |                                                                                     |        |
| 1440 min Winter                                               | 6.048         | 0.0                                      | 852                    |                                                                                     |        |
| 2160 min Winter                                               | 4.512         | 0.0                                      | 1192                   |                                                                                     |        |
| 2880 min Winter                                               | 3.667         | 0.0                                      | 1468                   |                                                                                     |        |
| 4320 min Winter                                               | 2.736         | 0.0                                      | 2204                   |                                                                                     |        |
| 5760 min Winter                                               | 2.225         | 0.0                                      | 2936                   |                                                                                     |        |
| 7200 min Winter                                               | 1.897         | 0.0                                      | 3624                   |                                                                                     |        |
| 8640 min Winter                                               | 1.668         | 0.0                                      | 4296                   |                                                                                     |        |
| 10080 min Winter                                              | 1.498         | 0.0                                      | 5128                   |                                                                                     |        |
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|                                                               |                                          |                                                                                     |
|---------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                                |                                          | Page 3                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB | Hurstwickham Barn<br>Cellular Soakaway C |  |
| Date 01/06/2025                                               | Designed by CM                           |                                                                                     |
| File 10644 Cellular SA C.SRCX                                 | Checked by MR                            |                                                                                     |
| XP Solutions                                                  |                                          | Source Control 2020.1.3                                                             |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 529199 116340 TQ 29199 16340 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 1.000                           |
| Cv (Winter)           | 1.000                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +45                             |

Time Area Diagram

Total Area (ha) 0.011

| Time (mins) | Area     |
|-------------|----------|
| From:       | To: (ha) |
| 0           | 4 0.011  |

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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          | Page 4                                                                              |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----------|----------------|-----------|-----------|----------------|-------|------|------|-------|-----|------|-------|------|------|--|--|--|
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hurstwickham Barn<br>Cellular Soakaway C |  |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designed by CM                           |                                                                                     |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| File 10644 Cellular SA C.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Checked by MR                            |                                                                                     |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          | Source Control 2020.1.3                                                             |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| <div>Model Details</div> <div>Storage is Online Cover Level (m) 51.600</div> <div>Cellular Storage Structure</div> <div>Invert Level (m) 50.900 Safety Factor 2.0<br/>Infiltration Coefficient Base (m/hr) 0.12132 Porosity 0.95<br/>Infiltration Coefficient Side (m/hr) 0.12132</div> <table><thead><tr><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th><th>Inf. Area (m²)</th></tr></thead><tbody><tr><td>0.000</td><td>16.0</td><td>16.0</td><td>0.500</td><td>0.0</td><td>29.6</td></tr><tr><td>0.400</td><td>16.0</td><td>29.6</td><td></td><td></td><td></td></tr></tbody></table> |                                          |                                                                                     | Depth (m) | Area (m²) | Inf. Area (m²) | Depth (m) | Area (m²) | Inf. Area (m²) | 0.000 | 16.0 | 16.0 | 0.500 | 0.0 | 29.6 | 0.400 | 16.0 | 29.6 |  |  |  |
| Depth (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Area (m²)                                | Inf. Area (m²)                                                                      | Depth (m) | Area (m²) | Inf. Area (m²) |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| 0.000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16.0                                     | 16.0                                                                                | 0.500     | 0.0       | 29.6           |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| 0.400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 16.0                                     | 29.6                                                                                |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                                                                     |           |           |                |           |           |                |       |      |      |       |     |      |       |      |      |  |  |  |

|                                                               |               |                     |                                   |                 |                                                                                     |
|---------------------------------------------------------------|---------------|---------------------|-----------------------------------|-----------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                                |               |                     |                                   |                 | Page 1                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB |               |                     | Hurstwick Barn<br>Driveway Area 1 |                 |  |
| Date 01/06/2025<br>File 10644 Driveway 1.SRCX                 |               |                     | Designed by CM<br>Checked by MR   |                 |                                                                                     |
| XP Solutions                                                  |               |                     | Source Control 2020.1.3           |                 |                                                                                     |
| Summary of Results for 100 year Return Period (+45%)          |               |                     |                                   |                 |                                                                                     |
| Half Drain Time : 28 minutes.                                 |               |                     |                                   |                 |                                                                                     |
| Storm Event                                                   | Max Level (m) | Max Depth (m)       | Max Infiltration (l/s)            | Max Volume (m³) | Status                                                                              |
| 15 min Summer                                                 | 51.316        | 0.241               | 3.1                               | 6.6             | Flood Risk                                                                          |
| 30 min Summer                                                 | 51.342        | 0.267               | 3.4                               | 8.1             | Flood Risk                                                                          |
| 60 min Summer                                                 | 51.355        | 0.280               | 3.6                               | 8.9             | Flood Risk                                                                          |
| 120 min Summer                                                | 51.344        | 0.269               | 3.4                               | 8.2             | Flood Risk                                                                          |
| 180 min Summer                                                | 51.330        | 0.255               | 3.3                               | 7.4             | Flood Risk                                                                          |
| 240 min Summer                                                | 51.316        | 0.241               | 3.1                               | 6.6             | Flood Risk                                                                          |
| 360 min Summer                                                | 51.292        | 0.217               | 2.8                               | 5.4             | Flood Risk                                                                          |
| 480 min Summer                                                | 51.273        | 0.198               | 2.5                               | 4.5             | Flood Risk                                                                          |
| 600 min Summer                                                | 51.257        | 0.182               | 2.3                               | 3.8             | Flood Risk                                                                          |
| 720 min Summer                                                | 51.243        | 0.168               | 2.2                               | 3.2             | Flood Risk                                                                          |
| 960 min Summer                                                | 51.222        | 0.147               | 1.9                               | 2.5             | 0 K                                                                                 |
| 1440 min Summer                                               | 51.193        | 0.118               | 1.5                               | 1.6             | 0 K                                                                                 |
| 2160 min Summer                                               | 51.168        | 0.093               | 1.2                               | 1.0             | 0 K                                                                                 |
| 2880 min Summer                                               | 51.152        | 0.077               | 1.0                               | 0.7             | 0 K                                                                                 |
| 4320 min Summer                                               | 51.133        | 0.058               | 0.7                               | 0.4             | 0 K                                                                                 |
| 5760 min Summer                                               | 51.124        | 0.049               | 0.6                               | 0.3             | 0 K                                                                                 |
| 7200 min Summer                                               | 51.120        | 0.045               | 0.5                               | 0.2             | 0 K                                                                                 |
| 8640 min Summer                                               | 51.117        | 0.042               | 0.4                               | 0.2             | 0 K                                                                                 |
| 10080 min Summer                                              | 51.115        | 0.040               | 0.4                               | 0.2             | 0 K                                                                                 |
| 15 min Winter                                                 | 51.316        | 0.241               | 3.1                               | 6.6             | Flood Risk                                                                          |
| Storm Event                                                   | Rain (mm/hr)  | Flooded Volume (m³) | Time-Peak (mins)                  |                 |                                                                                     |
| 15 min Summer                                                 | 150.691       | 0.0                 | 16                                |                 |                                                                                     |
| 30 min Summer                                                 | 101.035       | 0.0                 | 25                                |                 |                                                                                     |
| 60 min Summer                                                 | 64.437        | 0.0                 | 42                                |                 |                                                                                     |
| 120 min Summer                                                | 38.373        | 0.0                 | 76                                |                 |                                                                                     |
| 180 min Summer                                                | 28.380        | 0.0                 | 110                               |                 |                                                                                     |
| 240 min Summer                                                | 22.913        | 0.0                 | 142                               |                 |                                                                                     |
| 360 min Summer                                                | 16.929        | 0.0                 | 204                               |                 |                                                                                     |
| 480 min Summer                                                | 13.654        | 0.0                 | 266                               |                 |                                                                                     |
| 600 min Summer                                                | 11.557        | 0.0                 | 326                               |                 |                                                                                     |
| 720 min Summer                                                | 10.086        | 0.0                 | 384                               |                 |                                                                                     |
| 960 min Summer                                                | 8.138         | 0.0                 | 502                               |                 |                                                                                     |
| 1440 min Summer                                               | 6.048         | 0.0                 | 738                               |                 |                                                                                     |
| 2160 min Summer                                               | 4.512         | 0.0                 | 1104                              |                 |                                                                                     |
| 2880 min Summer                                               | 3.667         | 0.0                 | 1468                              |                 |                                                                                     |
| 4320 min Summer                                               | 2.736         | 0.0                 | 2200                              |                 |                                                                                     |
| 5760 min Summer                                               | 2.225         | 0.0                 | 2936                              |                 |                                                                                     |
| 7200 min Summer                                               | 1.897         | 0.0                 | 3568                              |                 |                                                                                     |
| 8640 min Summer                                               | 1.668         | 0.0                 | 4256                              |                 |                                                                                     |
| 10080 min Summer                                              | 1.498         | 0.0                 | 5136                              |                 |                                                                                     |
| 15 min Winter                                                 | 150.691       | 0.0                 | 16                                |                 |                                                                                     |
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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|--------|-----|-----|----------------|-------|-----|-----|-----------------|-------|-----|-----|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|-----------------|-------|-----|------|------------------|-------|-----|------|
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               | Hurstwick Barn<br>Driveway Area 1 |                        |  |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |   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| Date 01/06/2025<br>File 10644 Driveway 1.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |               | Designed by CM<br>Checked by MR   |                        |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | Source Control 2020.1.3           |                        |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| <div>Summary of Results for 100 year Return Period (+45%)</div> <table><thead><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></thead><tbody><tr><td>30 min Winter</td><td>51.342</td><td>0.267</td><td>3.4</td><td>8.1</td><td>Flood Risk</td></tr><tr><td>60 min Winter</td><td>51.351</td><td>0.276</td><td>3.5</td><td>8.7</td><td>Flood Risk</td></tr><tr><td>120 min Winter</td><td>51.332</td><td>0.257</td><td>3.3</td><td>7.5</td><td>Flood Risk</td></tr><tr><td>180 min Winter</td><td>51.311</td><td>0.236</td><td>3.0</td><td>6.4</td><td>Flood Risk</td></tr><tr><td>240 min Winter</td><td>51.293</td><td>0.218</td><td>2.8</td><td>5.4</td><td>Flood Risk</td></tr><tr><td>360 min Winter</td><td>51.261</td><td>0.186</td><td>2.4</td><td>4.0</td><td>Flood Risk</td></tr><tr><td>480 min Winter</td><td>51.237</td><td>0.162</td><td>2.1</td><td>3.0</td><td>Flood Risk</td></tr><tr><td>600 min Winter</td><td>51.219</td><td>0.144</td><td>1.8</td><td>2.4</td><td>0 K</td></tr><tr><td>720 min Winter</td><td>51.204</td><td>0.129</td><td>1.7</td><td>1.9</td><td>0 K</td></tr><tr><td>960 min Winter</td><td>51.182</td><td>0.107</td><td>1.4</td><td>1.3</td><td>0 K</td></tr><tr><td>1440 min Winter</td><td>51.156</td><td>0.081</td><td>1.0</td><td>0.8</td><td>0 K</td></tr><tr><td>2160 min Winter</td><td>51.136</td><td>0.061</td><td>0.8</td><td>0.4</td><td>0 K</td></tr><tr><td>2880 min Winter</td><td>51.125</td><td>0.050</td><td>0.6</td><td>0.3</td><td>0 K</td></tr><tr><td>4320 min Winter</td><td>51.118</td><td>0.043</td><td>0.5</td><td>0.2</td><td>0 K</td></tr><tr><td>5760 min Winter</td><td>51.114</td><td>0.039</td><td>0.4</td><td>0.2</td><td>0 K</td></tr><tr><td>7200 min Winter</td><td>51.111</td><td>0.036</td><td>0.3</td><td>0.1</td><td>0 K</td></tr><tr><td>8640 min Winter</td><td>51.109</td><td>0.034</td><td>0.3</td><td>0.1</td><td>0 K</td></tr><tr><td>10080 min Winter</td><td>51.107</td><td>0.032</td><td>0.3</td><td>0.1</td><td>0 K</td></tr></tbody></table><br><table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>30 min Winter</td><td>101.035</td><td>0.0</td><td>27</td></tr><tr><td>60 min Winter</td><td>64.437</td><td>0.0</td><td>46</td></tr><tr><td>120 min Winter</td><td>38.373</td><td>0.0</td><td>82</td></tr><tr><td>180 min Winter</td><td>28.380</td><td>0.0</td><td>116</td></tr><tr><td>240 min Winter</td><td>22.913</td><td>0.0</td><td>148</td></tr><tr><td>360 min Winter</td><td>16.929</td><td>0.0</td><td>210</td></tr><tr><td>480 min Winter</td><td>13.654</td><td>0.0</td><td>270</td></tr><tr><td>600 min Winter</td><td>11.557</td><td>0.0</td><td>330</td></tr><tr><td>720 min Winter</td><td>10.086</td><td>0.0</td><td>390</td></tr><tr><td>960 min Winter</td><td>8.138</td><td>0.0</td><td>508</td></tr><tr><td>1440 min Winter</td><td>6.048</td><td>0.0</td><td>740</td></tr><tr><td>2160 min Winter</td><td>4.512</td><td>0.0</td><td>1100</td></tr><tr><td>2880 min Winter</td><td>3.667</td><td>0.0</td><td>1460</td></tr><tr><td>4320 min Winter</td><td>2.736</td><td>0.0</td><td>2176</td></tr><tr><td>5760 min Winter</td><td>2.225</td><td>0.0</td><td>2840</td></tr><tr><td>7200 min Winter</td><td>1.897</td><td>0.0</td><td>3600</td></tr><tr><td>8640 min Winter</td><td>1.668</td><td>0.0</td><td>4272</td></tr><tr><td>10080 min Winter</td><td>1.498</td><td>0.0</td><td>5008</td></tr></tbody></table> |               |                                   |                        |                                                                                     |            | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 30 min Winter | 51.342 | 0.267 | 3.4 | 8.1 | Flood Risk | 60 min Winter | 51.351 | 0.276 | 3.5 | 8.7 | Flood Risk | 120 min Winter | 51.332 | 0.257 | 3.3 | 7.5 | Flood Risk | 180 min Winter | 51.311 | 0.236 | 3.0 | 6.4 | Flood Risk | 240 min Winter | 51.293 | 0.218 | 2.8 | 5.4 | Flood Risk | 360 min Winter | 51.261 | 0.186 | 2.4 | 4.0 | Flood Risk | 480 min Winter | 51.237 | 0.162 | 2.1 | 3.0 | Flood Risk | 600 min Winter | 51.219 | 0.144 | 1.8 | 2.4 | 0 K | 720 min Winter | 51.204 | 0.129 | 1.7 | 1.9 | 0 K | 960 min Winter | 51.182 | 0.107 | 1.4 | 1.3 | 0 K | 1440 min Winter | 51.156 | 0.081 | 1.0 | 0.8 | 0 K | 2160 min Winter | 51.136 | 0.061 | 0.8 | 0.4 | 0 K | 2880 min Winter | 51.125 | 0.050 | 0.6 | 0.3 | 0 K | 4320 min Winter | 51.118 | 0.043 | 0.5 | 0.2 | 0 K | 5760 min Winter | 51.114 | 0.039 | 0.4 | 0.2 | 0 K | 7200 min Winter | 51.111 | 0.036 | 0.3 | 0.1 | 0 K | 8640 min Winter | 51.109 | 0.034 | 0.3 | 0.1 | 0 K | 10080 min Winter | 51.107 | 0.032 | 0.3 | 0.1 | 0 K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 30 min Winter | 101.035 | 0.0 | 27 | 60 min Winter | 64.437 | 0.0 | 46 | 120 min Winter | 38.373 | 0.0 | 82 | 180 min Winter | 28.380 | 0.0 | 116 | 240 min Winter | 22.913 | 0.0 | 148 | 360 min Winter | 16.929 | 0.0 | 210 | 480 min Winter | 13.654 | 0.0 | 270 | 600 min Winter | 11.557 | 0.0 | 330 | 720 min Winter | 10.086 | 0.0 | 390 | 960 min Winter | 8.138 | 0.0 | 508 | 1440 min Winter | 6.048 | 0.0 | 740 | 2160 min Winter | 4.512 | 0.0 | 1100 | 2880 min Winter | 3.667 | 0.0 | 1460 | 4320 min Winter | 2.736 | 0.0 | 2176 | 5760 min Winter | 2.225 | 0.0 | 2840 | 7200 min Winter | 1.897 | 0.0 | 3600 | 8640 min Winter | 1.668 | 0.0 | 4272 | 10080 min Winter | 1.498 | 0.0 | 5008 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Max Level (m) | Max Depth (m)                     | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.342        | 0.267                             | 3.4                    | 8.1                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 51.351        | 0.276                             | 3.5                    | 8.7                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.332        | 0.257                             | 3.3                    | 7.5                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.311        | 0.236                             | 3.0                    | 6.4                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.293        | 0.218                             | 2.8                    | 5.4                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.261        | 0.186                             | 2.4                    | 4.0                                                                                 | Flood Risk |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.219        | 0.144                             | 1.8                    | 2.4                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.204        | 0.129                             | 1.7                    | 1.9                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 51.182        | 0.107                             | 1.4                    | 1.3                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.156        | 0.081                             | 1.0                    | 0.8                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.136        | 0.061                             | 0.8                    | 0.4                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.125        | 0.050                             | 0.6                    | 0.3                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.118        | 0.043                             | 0.5                    | 0.2                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.114        | 0.039                             | 0.4                    | 0.2                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 7200 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.111        | 0.036                             | 0.3                    | 0.1                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 8640 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 51.109        | 0.034                             | 0.3                    | 0.1                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 10080 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 51.107        | 0.032                             | 0.3                    | 0.1                                                                                 | 0 K        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rain (mm/hr)  | Flooded Volume (m³)               | Time-Peak (mins)       |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |    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| 30 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 101.035       | 0.0                               | 27                     |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 60 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 64.437        | 0.0                               | 46                     |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 120 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 38.373        | 0.0                               | 82                     |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |
| 180 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 28.380        | 0.0                               | 116                    |                                                                                     |            |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |     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| 240 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 360 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 480 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 600 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 720 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 960 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 1440 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 2160 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 2880 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 4320 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 5760 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 7200 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 8640 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| 10080 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                   | Page 3                                                                              |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
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| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hurstwick Barn<br>Driveway Area 1 |  |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designed by CM                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| File 10644 Driveway 1.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Checked by MR                     |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                   | Source Control 2020.1.3                                                             |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>100</td> </tr> <tr> <td>FEH Rainfall Version</td> <td>2013</td> </tr> <tr> <td>Site Location</td> <td>GB 529199 116340 TQ 29199 16340</td> </tr> <tr> <td>Data Type</td> <td>Point</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>1.000</td> </tr> <tr> <td>Cv (Winter)</td> <td>1.000</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+45</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p>Total Area (ha) 0.025</p> <table> <tr> <th>Time (mins)</th> <th>Area</th> </tr> <tr> <th>From:</th> <th>To: (ha)</th> </tr> <tr> <td>0</td> <td>4 0.025</td> </tr> </table> |                                   |                                                                                     | Rainfall Model | FEH | Return Period (years) | 100 | FEH Rainfall Version | 2013 | Site Location | GB 529199 116340 TQ 29199 16340 | Data Type | Point | Summer Storms | Yes | Winter Storms | Yes | Cv (Summer) | 1.000 | Cv (Winter) | 1.000 | Shortest Storm (mins) | 15 | Longest Storm (mins) | 10080 | Climate Change % | +45 | Time (mins) | Area | From: | To: (ha) | 0 | 4 0.025 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FEH                               |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100                               |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| FEH Rainfall Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2013                              |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Site Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | GB 529199 116340 TQ 29199 16340   |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Data Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Point                             |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Summer Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                               |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Winter Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                               |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Summer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                             |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Winter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                             |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Shortest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15                                |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Longest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10080                             |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Climate Change %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | +45                               |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Area                              |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To: (ha)                          |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 0.025                           |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                   | Page 4                                                                              |                                      |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hurstwick Barn<br>Driveway Area 1 |  |                                      |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Date 01/06/2025<br>File 10644 Driveway 1.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Designed by CM<br>Checked by MR   |                                                                                     |                                      |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Source Control 2020.1.3           |                                                                                     |                                      |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| <div>Model Details</div> <div>Storage is Online Cover Level (m) 51.525</div> <div>Porous Car Park Structure</div> <table><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.12132</td><td>Width (m)</td><td>19.0</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Length (m)</td><td>12.0</td></tr><tr><td>Max Percolation (l/s)</td><td>63.3</td><td>Slope (1:X)</td><td>40.0</td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Depression Storage (mm)</td><td>5</td></tr><tr><td>Porosity</td><td>0.30</td><td>Evaporation (mm/day)</td><td>3</td></tr><tr><td>Invert Level (m)</td><td>51.075</td><td>Membrane Depth (m)</td><td>0</td></tr></table> |                                   |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.12132 | Width (m) | 19.0 | Membrane Percolation (mm/hr) | 1000 | Length (m) | 12.0 | Max Percolation (l/s) | 63.3 | Slope (1:X) | 40.0 | Safety Factor | 2.0 | Depression Storage (mm) | 5 | Porosity | 0.30 | Evaporation (mm/day) | 3 | Invert Level (m) | 51.075 | Membrane Depth (m) | 0 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.12132                           | Width (m)                                                                           | 19.0                                 |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Membrane Percolation (mm/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1000                              | Length (m)                                                                          | 12.0                                 |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Max Percolation (l/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 63.3                              | Slope (1:X)                                                                         | 40.0                                 |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.0                               | Depression Storage (mm)                                                             | 5                                    |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.30                              | Evaporation (mm/day)                                                                | 3                                    |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 51.075                            | Membrane Depth (m)                                                                  | 0                                    |         |           |      |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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   |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |         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| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| <div>Summary of Results for 100 year Return Period (+45%)</div> <div>Half Drain Time : 27 minutes.</div> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>50.969</td><td>0.229</td><td>2.9</td><td>6.0</td><td>Flood Risk</td></tr><tr><td>30 min Summer</td><td>50.994</td><td>0.254</td><td>3.2</td><td>7.3</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>51.006</td><td>0.266</td><td>3.4</td><td>8.1</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>50.995</td><td>0.255</td><td>3.3</td><td>7.4</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>50.981</td><td>0.241</td><td>3.1</td><td>6.6</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>50.968</td><td>0.228</td><td>2.9</td><td>5.9</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>50.944</td><td>0.204</td><td>2.6</td><td>4.8</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>50.926</td><td>0.186</td><td>2.4</td><td>3.9</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>50.910</td><td>0.170</td><td>2.2</td><td>3.3</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>50.897</td><td>0.157</td><td>2.0</td><td>2.8</td><td>Flood Risk</td></tr><tr><td>960 min Summer</td><td>50.877</td><td>0.137</td><td>1.7</td><td>2.1</td><td>0 K</td></tr><tr><td>1440 min Summer</td><td>50.849</td><td>0.109</td><td>1.4</td><td>1.4</td><td>0 K</td></tr><tr><td>2160 min Summer</td><td>50.825</td><td>0.085</td><td>1.1</td><td>0.8</td><td>0 K</td></tr><tr><td>2880 min Summer</td><td>50.811</td><td>0.071</td><td>0.9</td><td>0.6</td><td>0 K</td></tr><tr><td>4320 min Summer</td><td>50.793</td><td>0.053</td><td>0.7</td><td>0.3</td><td>0 K</td></tr><tr><td>5760 min Summer</td><td>50.787</td><td>0.047</td><td>0.6</td><td>0.2</td><td>0 K</td></tr><tr><td>7200 min Summer</td><td>50.783</td><td>0.043</td><td>0.5</td><td>0.2</td><td>0 K</td></tr><tr><td>8640 min Summer</td><td>50.780</td><td>0.040</td><td>0.4</td><td>0.2</td><td>0 K</td></tr><tr><td>10080 min Summer</td><td>50.778</td><td>0.038</td><td>0.4</td><td>0.2</td><td>0 K</td></tr><tr><td>15 min Winter</td><td>50.969</td><td>0.229</td><td>2.9</td><td>6.0</td><td>Flood Risk</td></tr></tbody></table><br><table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>150.691</td><td>0.0</td><td>16</td></tr><tr><td>30 min Summer</td><td>101.035</td><td>0.0</td><td>25</td></tr><tr><td>60 min Summer</td><td>64.437</td><td>0.0</td><td>42</td></tr><tr><td>120 min Summer</td><td>38.373</td><td>0.0</td><td>76</td></tr><tr><td>180 min Summer</td><td>28.380</td><td>0.0</td><td>110</td></tr><tr><td>240 min Summer</td><td>22.913</td><td>0.0</td><td>142</td></tr><tr><td>360 min Summer</td><td>16.929</td><td>0.0</td><td>204</td></tr><tr><td>480 min Summer</td><td>13.654</td><td>0.0</td><td>264</td></tr><tr><td>600 min Summer</td><td>11.557</td><td>0.0</td><td>324</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>384</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>502</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>738</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1104</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1468</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2188</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2896</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4280</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5040</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>16</td></tr></tbody></table> |               |                     |                                          |                 |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 50.969 | 0.229 | 2.9 | 6.0 | Flood Risk | 30 min Summer | 50.994 | 0.254 | 3.2 | 7.3 | Flood Risk | 60 min Summer | 51.006 | 0.266 | 3.4 | 8.1 | Flood Risk | 120 min Summer | 50.995 | 0.255 | 3.3 | 7.4 | Flood Risk | 180 min Summer | 50.981 | 0.241 | 3.1 | 6.6 | Flood Risk | 240 min Summer | 50.968 | 0.228 | 2.9 | 5.9 | Flood Risk | 360 min Summer | 50.944 | 0.204 | 2.6 | 4.8 | Flood Risk | 480 min Summer | 50.926 | 0.186 | 2.4 | 3.9 | Flood Risk | 600 min Summer | 50.910 | 0.170 | 2.2 | 3.3 | Flood Risk | 720 min Summer | 50.897 | 0.157 | 2.0 | 2.8 | Flood Risk | 960 min Summer | 50.877 | 0.137 | 1.7 | 2.1 | 0 K | 1440 min Summer | 50.849 | 0.109 | 1.4 | 1.4 | 0 K | 2160 min Summer | 50.825 | 0.085 | 1.1 | 0.8 | 0 K | 2880 min Summer | 50.811 | 0.071 | 0.9 | 0.6 | 0 K | 4320 min Summer | 50.793 | 0.053 | 0.7 | 0.3 | 0 K | 5760 min Summer | 50.787 | 0.047 | 0.6 | 0.2 | 0 K | 7200 min Summer | 50.783 | 0.043 | 0.5 | 0.2 | 0 K | 8640 min Summer | 50.780 | 0.040 | 0.4 | 0.2 | 0 K | 10080 min Summer | 50.778 | 0.038 | 0.4 | 0.2 | 0 K | 15 min Winter | 50.969 | 0.229 | 2.9 | 6.0 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 16 | 30 min Summer | 101.035 | 0.0 | 25 | 60 min Summer | 64.437 | 0.0 | 42 | 120 min Summer | 38.373 | 0.0 | 76 | 180 min Summer | 28.380 | 0.0 | 110 | 240 min Summer | 22.913 | 0.0 | 142 | 360 min Summer | 16.929 | 0.0 | 204 | 480 min Summer | 13.654 | 0.0 | 264 | 600 min Summer | 11.557 | 0.0 | 324 | 720 min Summer | 10.086 | 0.0 | 384 | 960 min Summer | 8.138 | 0.0 | 502 | 1440 min Summer | 6.048 | 0.0 | 738 | 2160 min Summer | 4.512 | 0.0 | 1104 | 2880 min Summer | 3.667 | 0.0 | 1468 | 4320 min Summer | 2.736 | 0.0 | 2188 | 5760 min Summer | 2.225 | 0.0 | 2896 | 7200 min Summer | 1.897 | 0.0 | 3672 | 8640 min Summer | 1.668 | 0.0 | 4280 | 10080 min Summer | 1.498 | 0.0 | 5040 | 15 min Winter | 150.691 | 0.0 | 16 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Max Level (m) | Max Depth (m)       | Max Infiltration (l/s)                   | Max Volume (m³) | Status                                                                              |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 50.969        | 0.229               | 2.9                                      | 6.0             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.981        | 0.241               | 3.1                                      | 6.6             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.968        | 0.228               | 2.9                                      | 5.9             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.944        | 0.204               | 2.6                                      | 4.8             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.926        | 0.186               | 2.4                                      | 3.9             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.910        | 0.170               | 2.2                                      | 3.3             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 50.897        | 0.157               | 2.0                                      | 2.8             | Flood Risk                                                                          |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.825        | 0.085               | 1.1                                      | 0.8             | 0 K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.811        | 0.071               | 0.9                                      | 0.6             | 0 K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.793        | 0.053               | 0.7                                      | 0.3             | 0 K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 50.780        | 0.040               | 0.4                                      | 0.2             | 0 K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |     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     |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 10.086        | 0.0                 | 384                                      |                 |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1.498         | 0.0                 | 5040                                     |                 |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   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                                                                        |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| ©1982-2020 Innovzye                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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  |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                                 |               |                                          |                        |                                                                                     |            |
|-----------------------------------------------------------------|---------------|------------------------------------------|------------------------|-------------------------------------------------------------------------------------|------------|
| GTA Civils Ltd                                                  |               |                                          |                        | Page 2                                                                              |            |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB   |               | Hurst Wickham Barn<br>Driveway<br>Area 2 |                        |  |            |
| Date 01/06/2025<br>File 10644 Driveway 2.SRCX                   |               | Designed by CM<br>Checked by MR          |                        |                                                                                     |            |
| XP Solutions                                                    |               | Source Control 2020.1.3                  |                        |                                                                                     |            |
| <div>Summary of Results for 100 year Return Period (+45%)</div> |               |                                          |                        |                                                                                     |            |
| Storm Event                                                     | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status     |
| 30 min Winter                                                   | 50.993        | 0.253                                    | 3.2                    | 7.3                                                                                 | Flood Risk |
| 60 min Winter                                                   | 51.002        | 0.262                                    | 3.3                    | 7.8                                                                                 | Flood Risk |
| 120 min Winter                                                  | 50.983        | 0.243                                    | 3.1                    | 6.7                                                                                 | Flood Risk |
| 180 min Winter                                                  | 50.963        | 0.223                                    | 2.8                    | 5.7                                                                                 | Flood Risk |
| 240 min Winter                                                  | 50.944        | 0.204                                    | 2.6                    | 4.8                                                                                 | Flood Risk |
| 360 min Winter                                                  | 50.914        | 0.174                                    | 2.2                    | 3.4                                                                                 | Flood Risk |
| 480 min Winter                                                  | 50.891        | 0.151                                    | 1.9                    | 2.6                                                                                 | Flood Risk |
| 600 min Winter                                                  | 50.874        | 0.134                                    | 1.7                    | 2.0                                                                                 | 0 K        |
| 720 min Winter                                                  | 50.860        | 0.120                                    | 1.5                    | 1.6                                                                                 | 0 K        |
| 960 min Winter                                                  | 50.839        | 0.099                                    | 1.3                    | 1.1                                                                                 | 0 K        |
| 1440 min Winter                                                 | 50.815        | 0.075                                    | 1.0                    | 0.6                                                                                 | 0 K        |
| 2160 min Winter                                                 | 50.796        | 0.056                                    | 0.7                    | 0.4                                                                                 | 0 K        |
| 2880 min Winter                                                 | 50.788        | 0.048                                    | 0.6                    | 0.3                                                                                 | 0 K        |
| 4320 min Winter                                                 | 50.781        | 0.041                                    | 0.4                    | 0.2                                                                                 | 0 K        |
| 5760 min Winter                                                 | 50.777        | 0.037                                    | 0.4                    | 0.2                                                                                 | 0 K        |
| 7200 min Winter                                                 | 50.774        | 0.034                                    | 0.3                    | 0.1                                                                                 | 0 K        |
| 8640 min Winter                                                 | 50.772        | 0.032                                    | 0.3                    | 0.1                                                                                 | 0 K        |
| 10080 min Winter                                                | 50.770        | 0.030                                    | 0.2                    | 0.1                                                                                 | 0 K        |
| Storm Event                                                     | Rain (mm/hr)  | Flooded Volume (m³)                      | Time-Peak (mins)       |                                                                                     |            |
| 30 min Winter                                                   | 101.035       | 0.0                                      | 26                     |                                                                                     |            |
| 60 min Winter                                                   | 64.437        | 0.0                                      | 46                     |                                                                                     |            |
| 120 min Winter                                                  | 38.373        | 0.0                                      | 80                     |                                                                                     |            |
| 180 min Winter                                                  | 28.380        | 0.0                                      | 114                    |                                                                                     |            |
| 240 min Winter                                                  | 22.913        | 0.0                                      | 146                    |                                                                                     |            |
| 360 min Winter                                                  | 16.929        | 0.0                                      | 210                    |                                                                                     |            |
| 480 min Winter                                                  | 13.654        | 0.0                                      | 270                    |                                                                                     |            |
| 600 min Winter                                                  | 11.557        | 0.0                                      | 328                    |                                                                                     |            |
| 720 min Winter                                                  | 10.086        | 0.0                                      | 386                    |                                                                                     |            |
| 960 min Winter                                                  | 8.138         | 0.0                                      | 502                    |                                                                                     |            |
| 1440 min Winter                                                 | 6.048         | 0.0                                      | 740                    |                                                                                     |            |
| 2160 min Winter                                                 | 4.512         | 0.0                                      | 1100                   |                                                                                     |            |
| 2880 min Winter                                                 | 3.667         | 0.0                                      | 1468                   |                                                                                     |            |
| 4320 min Winter                                                 | 2.736         | 0.0                                      | 2188                   |                                                                                     |            |
| 5760 min Winter                                                 | 2.225         | 0.0                                      | 2856                   |                                                                                     |            |
| 7200 min Winter                                                 | 1.897         | 0.0                                      | 3576                   |                                                                                     |            |
| 8640 min Winter                                                 | 1.668         | 0.0                                      | 4360                   |                                                                                     |            |
| 10080 min Winter                                                | 1.498         | 0.0                                      | 5192                   |                                                                                     |            |
| ©1982-2020 Innovyze                                             |               |                                          |                        |                                                                                     |            |

| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          | Page 3                                                                              |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|-----------------------|-----|----------------------|------|---------------|---------------------------------|-----------|-------|---------------|-----|---------------|-----|-------------|-------|-------------|-------|-----------------------|----|----------------------|-------|------------------|-----|-------------|------|-------|----------|---|---------|
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hurst Wickham Barn<br>Driveway<br>Area 2 |  |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designed by CM                           |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| File 10644 Driveway 2.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Checked by MR                            |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          | Source Control 2020.1.3                                                             |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>100</td> </tr> <tr> <td>FEH Rainfall Version</td> <td>2013</td> </tr> <tr> <td>Site Location</td> <td>GB 529199 116340 TQ 29199 16340</td> </tr> <tr> <td>Data Type</td> <td>Point</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>1.000</td> </tr> <tr> <td>Cv (Winter)</td> <td>1.000</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+45</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p>Total Area (ha) 0.023</p> <table> <tr> <th>Time (mins)</th> <th>Area</th> </tr> <tr> <th>From:</th> <th>To: (ha)</th> </tr> <tr> <td>0</td> <td>4 0.023</td> </tr> </table> |                                          |                                                                                     | Rainfall Model | FEH | Return Period (years) | 100 | FEH Rainfall Version | 2013 | Site Location | GB 529199 116340 TQ 29199 16340 | Data Type | Point | Summer Storms | Yes | Winter Storms | Yes | Cv (Summer) | 1.000 | Cv (Winter) | 1.000 | Shortest Storm (mins) | 15 | Longest Storm (mins) | 10080 | Climate Change % | +45 | Time (mins) | Area | From: | To: (ha) | 0 | 4 0.023 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FEH                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| FEH Rainfall Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2013                                     |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Site Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | GB 529199 116340 TQ 29199 16340          |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Data Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Point                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Summer Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Winter Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Summer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Winter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Shortest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15                                       |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Longest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10080                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Climate Change %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | +45                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Area                                     |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To: (ha)                                 |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 0.023                                  |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |

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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          | Page 4                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Hurst Wickham Barn<br>Driveway<br>Area 2 |  |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Designed by CM                           |                                                                                     |
| File 10644 Driveway 2.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Checked by MR                            |                                                                                     |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Source Control 2020.1.3                  |                                                                                     |
| <div>Model Details</div> <div>Storage is Online Cover Level (m) 51.190</div> <div>Porous Car Park Structure</div> <div><div><div>Infiltration Coefficient Base (m/hr) 0.12132</div><div>Membrane Percolation (mm/hr) 1000</div><div>Max Percolation (l/s) 63.9</div><div>Safety Factor 2.0</div><div>Porosity 0.30</div><div>Invert Level (m) 50.740</div></div><div><div>Width (m) 23.0</div><div>Length (m) 10.0</div><div>Slope (1:X) 33.0</div><div>Depression Storage (mm) 5</div><div>Evaporation (mm/day) 3</div><div>Membrane Depth (m) 0</div></div></div> |                                          |                                                                                     |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                                     |

| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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      |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |             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             |         |     |    |
| Date 01/06/2025<br>File Driveway 3.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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 |                 |       |     |      |                  |       |     |      |               |         |     |    |
| <div>Summary of Results for 100 year Return Period (+45%)</div> <div>Half Drain Time : 25 minutes.</div> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>49.168</td><td>0.218</td><td>1.2</td><td>2.3</td><td>Flood Risk</td></tr><tr><td>30 min Summer</td><td>49.192</td><td>0.242</td><td>1.3</td><td>2.8</td><td>Flood Risk</td></tr><tr><td>60 min Summer</td><td>49.203</td><td>0.253</td><td>1.4</td><td>3.1</td><td>Flood Risk</td></tr><tr><td>120 min Summer</td><td>49.191</td><td>0.241</td><td>1.3</td><td>2.8</td><td>Flood Risk</td></tr><tr><td>180 min Summer</td><td>49.177</td><td>0.227</td><td>1.2</td><td>2.5</td><td>Flood Risk</td></tr><tr><td>240 min Summer</td><td>49.164</td><td>0.214</td><td>1.2</td><td>2.2</td><td>Flood Risk</td></tr><tr><td>360 min Summer</td><td>49.142</td><td>0.192</td><td>1.0</td><td>1.8</td><td>Flood Risk</td></tr><tr><td>480 min Summer</td><td>49.123</td><td>0.173</td><td>0.9</td><td>1.5</td><td>Flood Risk</td></tr><tr><td>600 min Summer</td><td>49.108</td><td>0.158</td><td>0.9</td><td>1.2</td><td>Flood Risk</td></tr><tr><td>720 min Summer</td><td>49.096</td><td>0.146</td><td>0.8</td><td>1.0</td><td>O K</td></tr><tr><td>960 min Summer</td><td>49.077</td><td>0.127</td><td>0.7</td><td>0.8</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>49.051</td><td>0.101</td><td>0.6</td><td>0.5</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>49.029</td><td>0.079</td><td>0.4</td><td>0.3</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>49.015</td><td>0.065</td><td>0.4</td><td>0.2</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>48.999</td><td>0.049</td><td>0.3</td><td>0.1</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>48.995</td><td>0.045</td><td>0.2</td><td>0.1</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>48.991</td><td>0.041</td><td>0.2</td><td>0.1</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>48.989</td><td>0.039</td><td>0.2</td><td>0.1</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>48.986</td><td>0.036</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>15 min Winter</td><td>49.168</td><td>0.218</td><td>1.2</td><td>2.3</td><td>Flood Risk</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>150.691</td><td>0.0</td><td>16</td></tr><tr><td>30 min Summer</td><td>101.035</td><td>0.0</td><td>25</td></tr><tr><td>60 min Summer</td><td>64.437</td><td>0.0</td><td>42</td></tr><tr><td>120 min Summer</td><td>38.373</td><td>0.0</td><td>76</td></tr><tr><td>180 min Summer</td><td>28.380</td><td>0.0</td><td>108</td></tr><tr><td>240 min Summer</td><td>22.913</td><td>0.0</td><td>140</td></tr><tr><td>360 min Summer</td><td>16.929</td><td>0.0</td><td>202</td></tr><tr><td>480 min Summer</td><td>13.654</td><td>0.0</td><td>262</td></tr><tr><td>600 min Summer</td><td>11.557</td><td>0.0</td><td>322</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>384</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>502</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>738</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1100</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1468</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2200</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2872</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3592</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4288</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5136</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>16</td></tr></tbody></table> |               |                     |                                          |                 |            |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 49.168 | 0.218 | 1.2 | 2.3 | Flood Risk | 30 min Summer | 49.192 | 0.242 | 1.3 | 2.8 | Flood Risk | 60 min Summer | 49.203 | 0.253 | 1.4 | 3.1 | Flood Risk | 120 min Summer | 49.191 | 0.241 | 1.3 | 2.8 | Flood Risk | 180 min Summer | 49.177 | 0.227 | 1.2 | 2.5 | Flood Risk | 240 min Summer | 49.164 | 0.214 | 1.2 | 2.2 | Flood Risk | 360 min Summer | 49.142 | 0.192 | 1.0 | 1.8 | Flood Risk | 480 min Summer | 49.123 | 0.173 | 0.9 | 1.5 | Flood Risk | 600 min Summer | 49.108 | 0.158 | 0.9 | 1.2 | Flood Risk | 720 min Summer | 49.096 | 0.146 | 0.8 | 1.0 | O K | 960 min Summer | 49.077 | 0.127 | 0.7 | 0.8 | O K | 1440 min Summer | 49.051 | 0.101 | 0.6 | 0.5 | O K | 2160 min Summer | 49.029 | 0.079 | 0.4 | 0.3 | O K | 2880 min Summer | 49.015 | 0.065 | 0.4 | 0.2 | O K | 4320 min Summer | 48.999 | 0.049 | 0.3 | 0.1 | O K | 5760 min Summer | 48.995 | 0.045 | 0.2 | 0.1 | O K | 7200 min Summer | 48.991 | 0.041 | 0.2 | 0.1 | O K | 8640 min Summer | 48.989 | 0.039 | 0.2 | 0.1 | O K | 10080 min Summer | 48.986 | 0.036 | 0.1 | 0.1 | O K | 15 min Winter | 49.168 | 0.218 | 1.2 | 2.3 | Flood Risk | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 16 | 30 min Summer | 101.035 | 0.0 | 25 | 60 min Summer | 64.437 | 0.0 | 42 | 120 min Summer | 38.373 | 0.0 | 76 | 180 min Summer | 28.380 | 0.0 | 108 | 240 min Summer | 22.913 | 0.0 | 140 | 360 min Summer | 16.929 | 0.0 | 202 | 480 min Summer | 13.654 | 0.0 | 262 | 600 min Summer | 11.557 | 0.0 | 322 | 720 min Summer | 10.086 | 0.0 | 384 | 960 min Summer | 8.138 | 0.0 | 502 | 1440 min Summer | 6.048 | 0.0 | 738 | 2160 min Summer | 4.512 | 0.0 | 1100 | 2880 min Summer | 3.667 | 0.0 | 1468 | 4320 min Summer | 2.736 | 0.0 | 2200 | 5760 min Summer | 2.225 | 0.0 | 2872 | 7200 min Summer | 1.897 | 0.0 | 3592 | 8640 min Summer | 1.668 | 0.0 | 4288 | 10080 min Summer | 1.498 | 0.0 | 5136 | 15 min Winter | 150.691 | 0.0 | 16 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Max Level (m) | Max Depth (m)       | Max Infiltration (l/s)                   | Max Volume (m³) | Status     |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 49.168        | 0.218               | 1.2                                      | 2.3             | Flood Risk |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |     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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 49.203        | 0.253               | 1.4                                      | 3.1             | Flood Risk |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |     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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |     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| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |     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| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |     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| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.123        | 0.173               | 0.9                                      | 1.5             | Flood Risk |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.108        | 0.158               | 0.9                                      | 1.2             | Flood Risk |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.096        | 0.146               | 0.8                                      | 1.0             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.077        | 0.127               | 0.7                                      | 0.8             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 49.051        | 0.101               | 0.6                                      | 0.5             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48.995        | 0.045               | 0.2                                      | 0.1             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48.991        | 0.041               | 0.2                                      | 0.1             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 48.989        | 0.039               | 0.2                                      | 0.1             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 48.986        | 0.036               | 0.1                                      | 0.1             | O K        |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 49.168        | 0.218               | 1.2                                      | 2.3             | Flood Risk |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Rain (mm/hr)  | Flooded Volume (m³) | Time-Peak (mins)                         |                 |            |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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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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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4.512         | 0.0                 | 1100                                     |                 |            |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3.667         | 0.0                 | 1468                                     |                 |            |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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                                                                           |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 150.691       | 0.0                 | 16                                       |                 |            |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |     |            |               |        |       |     |     |            |               |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |            |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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    |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |            |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                              |                     |                                          |                              |                       |                                                                                     |
|--------------------------------------------------------------|---------------------|------------------------------------------|------------------------------|-----------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                     |                                          |                              | Page 2                |                                                                                     |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS |                     | Hurst Wickham Barn<br>Driveway<br>Area 3 |                              |                       |  |
| Date 01/06/2025<br>File Driveway 3.SRCX                      |                     | Designed by CM<br>Checked by MR          |                              |                       |                                                                                     |
| Micro Drainage                                               |                     | Source Control 2020.1.3                  |                              |                       |                                                                                     |
| Summary of Results for 100 year Return Period (+45%)         |                     |                                          |                              |                       |                                                                                     |
| 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                                                | 49.191              | 0.241                                    | 1.3                          | 2.8                   | Flood Risk                                                                          |
| 60 min Winter                                                | 49.198              | 0.248                                    | 1.4                          | 3.0                   | Flood Risk                                                                          |
| 120 min Winter                                               | 49.179              | 0.229                                    | 1.3                          | 2.6                   | Flood Risk                                                                          |
| 180 min Winter                                               | 49.159              | 0.209                                    | 1.1                          | 2.1                   | Flood Risk                                                                          |
| 240 min Winter                                               | 49.141              | 0.191                                    | 1.0                          | 1.8                   | Flood Risk                                                                          |
| 360 min Winter                                               | 49.112              | 0.162                                    | 0.9                          | 1.3                   | Flood Risk                                                                          |
| 480 min Winter                                               | 49.090              | 0.140                                    | 0.8                          | 1.0                   | O K                                                                                 |
| 600 min Winter                                               | 49.073              | 0.123                                    | 0.7                          | 0.7                   | O K                                                                                 |
| 720 min Winter                                               | 49.060              | 0.110                                    | 0.6                          | 0.6                   | O K                                                                                 |
| 960 min Winter                                               | 49.041              | 0.091                                    | 0.5                          | 0.4                   | O K                                                                                 |
| 1440 min Winter                                              | 49.019              | 0.069                                    | 0.4                          | 0.2                   | O K                                                                                 |
| 2160 min Winter                                              | 49.002              | 0.052                                    | 0.3                          | 0.1                   | O K                                                                                 |
| 2880 min Winter                                              | 48.996              | 0.046                                    | 0.2                          | 0.1                   | O K                                                                                 |
| 4320 min Winter                                              | 48.990              | 0.040                                    | 0.2                          | 0.1                   | O K                                                                                 |
| 5760 min Winter                                              | 48.986              | 0.036                                    | 0.1                          | 0.1                   | O K                                                                                 |
| 7200 min Winter                                              | 48.983              | 0.033                                    | 0.1                          | 0.1                   | O K                                                                                 |
| 8640 min Winter                                              | 48.981              | 0.031                                    | 0.1                          | 0.0                   | O K                                                                                 |
| 10080 min Winter                                             | 48.979              | 0.029                                    | 0.1                          | 0.0                   | O K                                                                                 |
| Storm<br>Event                                               | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³)                | Time-Peak<br>(mins)          |                       |                                                                                     |
| 30 min Winter                                                | 101.035             | 0.0                                      | 26                           |                       |                                                                                     |
| 60 min Winter                                                | 64.437              | 0.0                                      | 44                           |                       |                                                                                     |
| 120 min Winter                                               | 38.373              | 0.0                                      | 80                           |                       |                                                                                     |
| 180 min Winter                                               | 28.380              | 0.0                                      | 114                          |                       |                                                                                     |
| 240 min Winter                                               | 22.913              | 0.0                                      | 146                          |                       |                                                                                     |
| 360 min Winter                                               | 16.929              | 0.0                                      | 208                          |                       |                                                                                     |
| 480 min Winter                                               | 13.654              | 0.0                                      | 268                          |                       |                                                                                     |
| 600 min Winter                                               | 11.557              | 0.0                                      | 326                          |                       |                                                                                     |
| 720 min Winter                                               | 10.086              | 0.0                                      | 384                          |                       |                                                                                     |
| 960 min Winter                                               | 8.138               | 0.0                                      | 502                          |                       |                                                                                     |
| 1440 min Winter                                              | 6.048               | 0.0                                      | 738                          |                       |                                                                                     |
| 2160 min Winter                                              | 4.512               | 0.0                                      | 1088                         |                       |                                                                                     |
| 2880 min Winter                                              | 3.667               | 0.0                                      | 1468                         |                       |                                                                                     |
| 4320 min Winter                                              | 2.736               | 0.0                                      | 2168                         |                       |                                                                                     |
| 5760 min Winter                                              | 2.225               | 0.0                                      | 2936                         |                       |                                                                                     |
| 7200 min Winter                                              | 1.897               | 0.0                                      | 3656                         |                       |                                                                                     |
| 8640 min Winter                                              | 1.668               | 0.0                                      | 4280                         |                       |                                                                                     |
| 10080 min Winter                                             | 1.498               | 0.0                                      | 5120                         |                       |                                                                                     |
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|                                                              |                                          |                                                                                     |
|--------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                          | Page 3                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurst Wickham Barn<br>Driveway<br>Area 3 |  |
| Date 01/06/2025<br>File Driveway 3.SRCX                      | Designed by CM<br>Checked by MR          |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                          |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 529199 116340 TQ 29199 16340 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 1.000                           |
| Cv (Winter)           | 1.000                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +45                             |

Time Area Diagram

Total Area (ha) 0.009

|       | Time (mins) | Area    |
|-------|-------------|---------|
| From: | To:         | (ha)    |
|       | 0           | 4 0.009 |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------|-----------|-----|------------------------------|------|------------|------|-----------------------|------|-------------|------|---------------|-----|-------------------------|---|----------|------|----------------------|---|------------------|--------|----------------------|-------|
| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          | Page 4                                                                              |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Hurst Wickham Barn<br>Driveway<br>Area 3 |  |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Date 01/06/2025<br>File Driveway 3.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Designed by CM<br>Checked by MR          |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Micro Drainage Source Control 2020.1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                          |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| <p style="text-align: center;"><u>Model Details</u></p> <p style="text-align: center;">Storage is Online Cover Level (m) 49.400</p> <p style="text-align: center;"><u>Porous Car Park Structure</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Infiltration Coefficient Base (m/hr)</td> <td style="width: 20%;">0.12132</td> <td style="width: 20%;">Width (m)</td> <td style="width: 20%;">4.0</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>23.0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>25.6</td> <td>Slope (1:X)</td> <td>81.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>48.950</td> <td>Cap Volume Depth (m)</td> <td>0.300</td> </tr> </table> |                                          |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.12132 | Width (m) | 4.0 | Membrane Percolation (mm/hr) | 1000 | Length (m) | 23.0 | Max Percolation (l/s) | 25.6 | Slope (1:X) | 81.0 | Safety Factor | 2.0 | Depression Storage (mm) | 5 | Porosity | 0.30 | Evaporation (mm/day) | 3 | Invert Level (m) | 48.950 | Cap Volume Depth (m) | 0.300 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.12132                                  | Width (m)                                                                           | 4.0                                  |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Membrane Percolation (mm/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1000                                     | Length (m)                                                                          | 23.0                                 |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Max Percolation (l/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25.6                                     | Slope (1:X)                                                                         | 81.0                                 |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.0                                      | Depression Storage (mm)                                                             | 5                                    |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.30                                     | Evaporation (mm/day)                                                                | 3                                    |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48.950                                   | Cap Volume Depth (m)                                                                | 0.300                                |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |      |               |     |                         |   |          |      |                      |   |                  |        |                      |       |

| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Date 01/06/2025<br>File 10644 Driveway 4.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           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| <p>Summary of Results for 100 year Return Period (+45%)</p> <p>Half Drain Time : 17 minutes.</p> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>49.035</td><td>0.085</td><td>3.2</td><td>4.6</td><td>0 K</td></tr><tr><td>30 min Summer</td><td>49.053</td><td>0.103</td><td>3.2</td><td>5.6</td><td>0 K</td></tr><tr><td>60 min Summer</td><td>49.059</td><td>0.109</td><td>3.2</td><td>5.9</td><td>0 K</td></tr><tr><td>120 min Summer</td><td>49.042</td><td>0.092</td><td>3.2</td><td>5.0</td><td>0 K</td></tr><tr><td>180 min Summer</td><td>49.024</td><td>0.074</td><td>3.2</td><td>4.0</td><td>0 K</td></tr><tr><td>240 min Summer</td><td>49.011</td><td>0.061</td><td>3.2</td><td>3.2</td><td>0 K</td></tr><tr><td>360 min Summer</td><td>48.996</td><td>0.046</td><td>2.9</td><td>2.4</td><td>0 K</td></tr><tr><td>480 min Summer</td><td>48.989</td><td>0.039</td><td>2.5</td><td>2.0</td><td>0 K</td></tr><tr><td>600 min Summer</td><td>48.984</td><td>0.034</td><td>2.2</td><td>1.7</td><td>0 K</td></tr><tr><td>720 min Summer</td><td>48.981</td><td>0.031</td><td>1.9</td><td>1.5</td><td>0 K</td></tr><tr><td>960 min Summer</td><td>48.975</td><td>0.025</td><td>1.6</td><td>1.2</td><td>0 K</td></tr><tr><td>1440 min Summer</td><td>48.969</td><td>0.019</td><td>1.2</td><td>0.9</td><td>0 K</td></tr><tr><td>2160 min Summer</td><td>48.965</td><td>0.015</td><td>0.9</td><td>0.6</td><td>0 K</td></tr><tr><td>2880 min Summer</td><td>48.962</td><td>0.012</td><td>0.7</td><td>0.5</td><td>0 K</td></tr><tr><td>4320 min Summer</td><td>48.959</td><td>0.009</td><td>0.6</td><td>0.3</td><td>0 K</td></tr><tr><td>5760 min Summer</td><td>48.957</td><td>0.007</td><td>0.5</td><td>0.2</td><td>0 K</td></tr><tr><td>7200 min Summer</td><td>48.957</td><td>0.007</td><td>0.4</td><td>0.2</td><td>0 K</td></tr><tr><td>8640 min Summer</td><td>48.956</td><td>0.006</td><td>0.3</td><td>0.2</td><td>0 K</td></tr><tr><td>10080 min Summer</td><td>48.956</td><td>0.006</td><td>0.3</td><td>0.1</td><td>0 K</td></tr><tr><td>15 min Winter</td><td>49.034</td><td>0.084</td><td>3.2</td><td>4.5</td><td>0 K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>150.691</td><td>0.0</td><td>15</td></tr><tr><td>30 min Summer</td><td>101.035</td><td>0.0</td><td>24</td></tr><tr><td>60 min Summer</td><td>64.437</td><td>0.0</td><td>42</td></tr><tr><td>120 min Summer</td><td>38.373</td><td>0.0</td><td>74</td></tr><tr><td>180 min Summer</td><td>28.380</td><td>0.0</td><td>106</td></tr><tr><td>240 min Summer</td><td>22.913</td><td>0.0</td><td>134</td></tr><tr><td>360 min Summer</td><td>16.929</td><td>0.0</td><td>192</td></tr><tr><td>480 min Summer</td><td>13.654</td><td>0.0</td><td>252</td></tr><tr><td>600 min Summer</td><td>11.557</td><td>0.0</td><td>312</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>372</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>492</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>736</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1092</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1468</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2204</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2840</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3624</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4328</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5056</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>15</td></tr></tbody></table> |               |                                          |                        |                                                                                     |        | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 49.035 | 0.085 | 3.2 | 4.6 | 0 K | 30 min Summer | 49.053 | 0.103 | 3.2 | 5.6 | 0 K | 60 min Summer | 49.059 | 0.109 | 3.2 | 5.9 | 0 K | 120 min Summer | 49.042 | 0.092 | 3.2 | 5.0 | 0 K | 180 min Summer | 49.024 | 0.074 | 3.2 | 4.0 | 0 K | 240 min Summer | 49.011 | 0.061 | 3.2 | 3.2 | 0 K | 360 min Summer | 48.996 | 0.046 | 2.9 | 2.4 | 0 K | 480 min Summer | 48.989 | 0.039 | 2.5 | 2.0 | 0 K | 600 min Summer | 48.984 | 0.034 | 2.2 | 1.7 | 0 K | 720 min Summer | 48.981 | 0.031 | 1.9 | 1.5 | 0 K | 960 min Summer | 48.975 | 0.025 | 1.6 | 1.2 | 0 K | 1440 min Summer | 48.969 | 0.019 | 1.2 | 0.9 | 0 K | 2160 min Summer | 48.965 | 0.015 | 0.9 | 0.6 | 0 K | 2880 min Summer | 48.962 | 0.012 | 0.7 | 0.5 | 0 K | 4320 min Summer | 48.959 | 0.009 | 0.6 | 0.3 | 0 K | 5760 min Summer | 48.957 | 0.007 | 0.5 | 0.2 | 0 K | 7200 min Summer | 48.957 | 0.007 | 0.4 | 0.2 | 0 K | 8640 min Summer | 48.956 | 0.006 | 0.3 | 0.2 | 0 K | 10080 min Summer | 48.956 | 0.006 | 0.3 | 0.1 | 0 K | 15 min Winter | 49.034 | 0.084 | 3.2 | 4.5 | 0 K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 15 | 30 min Summer | 101.035 | 0.0 | 24 | 60 min Summer | 64.437 | 0.0 | 42 | 120 min Summer | 38.373 | 0.0 | 74 | 180 min Summer | 28.380 | 0.0 | 106 | 240 min Summer | 22.913 | 0.0 | 134 | 360 min Summer | 16.929 | 0.0 | 192 | 480 min Summer | 13.654 | 0.0 | 252 | 600 min Summer | 11.557 | 0.0 | 312 | 720 min Summer | 10.086 | 0.0 | 372 | 960 min Summer | 8.138 | 0.0 | 492 | 1440 min Summer | 6.048 | 0.0 | 736 | 2160 min Summer | 4.512 | 0.0 | 1092 | 2880 min Summer | 3.667 | 0.0 | 1468 | 4320 min Summer | 2.736 | 0.0 | 2204 | 5760 min Summer | 2.225 | 0.0 | 2840 | 7200 min Summer | 1.897 | 0.0 | 3624 | 8640 min Summer | 1.668 | 0.0 | 4328 | 10080 min Summer | 1.498 | 0.0 | 5056 | 15 min Winter | 150.691 | 0.0 | 15 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.035        | 0.085                                    | 3.2                    | 4.6                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.053        | 0.103                                    | 3.2                    | 5.6                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 49.059        | 0.109                                    | 3.2                    | 5.9                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 49.042        | 0.092                                    | 3.2                    | 5.0                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 49.024        | 0.074                                    | 3.2                    | 4.0                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 49.011        | 0.061                                    | 3.2                    | 3.2                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.996        | 0.046                                    | 2.9                    | 2.4                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.989        | 0.039                                    | 2.5                    | 2.0                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.984        | 0.034                                    | 2.2                    | 1.7                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.981        | 0.031                                    | 1.9                    | 1.5                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.975        | 0.025                                    | 1.6                    | 1.2                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.969        | 0.019                                    | 1.2                    | 0.9                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.965        | 0.015                                    | 0.9                    | 0.6                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.962        | 0.012                                    | 0.7                    | 0.5                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.959        | 0.009                                    | 0.6                    | 0.3                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 48.957        | 0.007                                    | 0.4                    | 0.2                                                                                 | 0 K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38.373        | 0.0                                      | 74                     |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22.913        | 0.0                                      | 134                    |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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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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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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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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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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        |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |  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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1.498         | 0.0                                      | 5056                   |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 150.691       | 0.0                                      | 15                     |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| ©1982-2020 Innovzye                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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   |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |

|                                                                 |               |                                          |                        |                                                                                     |        |
|-----------------------------------------------------------------|---------------|------------------------------------------|------------------------|-------------------------------------------------------------------------------------|--------|
| GTA Civils Ltd                                                  |               |                                          |                        | Page 2                                                                              |        |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB   |               | Hurst Wickham Barn<br>Driveway<br>Area 4 |                        |  |        |
| Date 01/06/2025<br>File 10644 Driveway 4.SRCX                   |               | Designed by CM<br>Checked by MR          |                        |                                                                                     |        |
| XP Solutions                                                    |               | Source Control 2020.1.3                  |                        |                                                                                     |        |
| <div>Summary of Results for 100 year Return Period (+45%)</div> |               |                                          |                        |                                                                                     |        |
| Storm Event                                                     | Max Level (m) | Max Depth (m)                            | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status |
| 30 min Winter                                                   | 49.051        | 0.101                                    | 3.2                    | 5.5                                                                                 | 0 K    |
| 60 min Winter                                                   | 49.052        | 0.102                                    | 3.2                    | 5.5                                                                                 | 0 K    |
| 120 min Winter                                                  | 49.024        | 0.074                                    | 3.2                    | 3.9                                                                                 | 0 K    |
| 180 min Winter                                                  | 49.002        | 0.052                                    | 3.2                    | 2.7                                                                                 | 0 K    |
| 240 min Winter                                                  | 48.994        | 0.044                                    | 2.8                    | 2.3                                                                                 | 0 K    |
| 360 min Winter                                                  | 48.984        | 0.034                                    | 2.1                    | 1.7                                                                                 | 0 K    |
| 480 min Winter                                                  | 48.978        | 0.028                                    | 1.8                    | 1.4                                                                                 | 0 K    |
| 600 min Winter                                                  | 48.974        | 0.024                                    | 1.5                    | 1.1                                                                                 | 0 K    |
| 720 min Winter                                                  | 48.971        | 0.021                                    | 1.3                    | 1.0                                                                                 | 0 K    |
| 960 min Winter                                                  | 48.967        | 0.017                                    | 1.1                    | 0.8                                                                                 | 0 K    |
| 1440 min Winter                                                 | 48.963        | 0.013                                    | 0.8                    | 0.5                                                                                 | 0 K    |
| 2160 min Winter                                                 | 48.960        | 0.010                                    | 0.6                    | 0.3                                                                                 | 0 K    |
| 2880 min Winter                                                 | 48.958        | 0.008                                    | 0.5                    | 0.2                                                                                 | 0 K    |
| 4320 min Winter                                                 | 48.957        | 0.007                                    | 0.4                    | 0.2                                                                                 | 0 K    |
| 5760 min Winter                                                 | 48.956        | 0.006                                    | 0.3                    | 0.1                                                                                 | 0 K    |
| 7200 min Winter                                                 | 48.955        | 0.005                                    | 0.2                    | 0.1                                                                                 | 0 K    |
| 8640 min Winter                                                 | 48.955        | 0.005                                    | 0.2                    | 0.1                                                                                 | 0 K    |
| 10080 min Winter                                                | 48.955        | 0.005                                    | 0.2                    | 0.1                                                                                 | 0 K    |
| Storm Event                                                     | Rain (mm/hr)  | Flooded Volume (m³)                      | Time-Peak (mins)       |                                                                                     |        |
| 30 min Winter                                                   | 101.035       | 0.0                                      | 25                     |                                                                                     |        |
| 60 min Winter                                                   | 64.437        | 0.0                                      | 44                     |                                                                                     |        |
| 120 min Winter                                                  | 38.373        | 0.0                                      | 78                     |                                                                                     |        |
| 180 min Winter                                                  | 28.380        | 0.0                                      | 104                    |                                                                                     |        |
| 240 min Winter                                                  | 22.913        | 0.0                                      | 134                    |                                                                                     |        |
| 360 min Winter                                                  | 16.929        | 0.0                                      | 194                    |                                                                                     |        |
| 480 min Winter                                                  | 13.654        | 0.0                                      | 254                    |                                                                                     |        |
| 600 min Winter                                                  | 11.557        | 0.0                                      | 314                    |                                                                                     |        |
| 720 min Winter                                                  | 10.086        | 0.0                                      | 376                    |                                                                                     |        |
| 960 min Winter                                                  | 8.138         | 0.0                                      | 498                    |                                                                                     |        |
| 1440 min Winter                                                 | 6.048         | 0.0                                      | 734                    |                                                                                     |        |
| 2160 min Winter                                                 | 4.512         | 0.0                                      | 1108                   |                                                                                     |        |
| 2880 min Winter                                                 | 3.667         | 0.0                                      | 1468                   |                                                                                     |        |
| 4320 min Winter                                                 | 2.736         | 0.0                                      | 2212                   |                                                                                     |        |
| 5760 min Winter                                                 | 2.225         | 0.0                                      | 2896                   |                                                                                     |        |
| 7200 min Winter                                                 | 1.897         | 0.0                                      | 3544                   |                                                                                     |        |
| 8640 min Winter                                                 | 1.668         | 0.0                                      | 4168                   |                                                                                     |        |
| 10080 min Winter                                                | 1.498         | 0.0                                      | 5024                   |                                                                                     |        |
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| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                          | Page 3                                                                              |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|----------------|-----|-----------------------|-----|----------------------|------|---------------|---------------------------------|-----------|-------|---------------|-----|---------------|-----|-------------|-------|-------------|-------|-----------------------|----|----------------------|-------|------------------|-----|-------------|------|-------|----------|---|---------|
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Hurst Wickham Barn<br>Driveway<br>Area 4 |  |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Designed by CM                           |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| File 10644 Driveway 4.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Checked by MR                            |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          | Source Control 2020.1.3                                                             |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>100</td> </tr> <tr> <td>FEH Rainfall Version</td> <td>2013</td> </tr> <tr> <td>Site Location</td> <td>GB 529199 116340 TQ 29199 16340</td> </tr> <tr> <td>Data Type</td> <td>Point</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>1.000</td> </tr> <tr> <td>Cv (Winter)</td> <td>1.000</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+45</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p>Total Area (ha) 0.019</p> <table> <tr> <th>Time (mins)</th> <th>Area</th> </tr> <tr> <th>From:</th> <th>To: (ha)</th> </tr> <tr> <td>0</td> <td>4 0.019</td> </tr> </table> |                                          |                                                                                     | Rainfall Model | FEH | Return Period (years) | 100 | FEH Rainfall Version | 2013 | Site Location | GB 529199 116340 TQ 29199 16340 | Data Type | Point | Summer Storms | Yes | Winter Storms | Yes | Cv (Summer) | 1.000 | Cv (Winter) | 1.000 | Shortest Storm (mins) | 15 | Longest Storm (mins) | 10080 | Climate Change % | +45 | Time (mins) | Area | From: | To: (ha) | 0 | 4 0.019 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FEH                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 100                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| FEH Rainfall Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2013                                     |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Site Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | GB 529199 116340 TQ 29199 16340          |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Data Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Point                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Summer Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Winter Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Summer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Cv (Winter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1.000                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Shortest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 15                                       |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Longest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 10080                                    |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Climate Change %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | +45                                      |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Area                                     |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | To: (ha)                                 |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 0.019                                  |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                          |                                                                                     |                |     |                       |     |                      |      |               |                                 |           |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |       |          |   |         |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                          |                                                                                     |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------|-----------|------|------------------------------|------|------------|-----|-----------------------|------|-------------|-------|---------------|-----|-------------------------|---|----------|------|----------------------|---|------------------|--------|--------------------|---|
| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                          | Page 4                                                                              |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Gloucester House<br>66a Church Walk<br>Burgess Hill, BN43 6LB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Hurst Wickham Barn<br>Driveway<br>Area 4 |  |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Date 01/06/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Designed by CM                           |                                                                                     |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| File 10644 Driveway 4.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Checked by MR                            |                                                                                     |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| XP Solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Source Control 2020.1.3                  |                                                                                     |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| <div>Model Details</div> <div>Storage is Online Cover Level (m) 49.400</div> <div>Porous Car Park Structure</div> <table><tr><td>Infiltration Coefficient Base (m/hr)</td><td>0.12132</td><td>Width (m)</td><td>46.8</td></tr><tr><td>Membrane Percolation (mm/hr)</td><td>1000</td><td>Length (m)</td><td>4.0</td></tr><tr><td>Max Percolation (l/s)</td><td>52.0</td><td>Slope (1:X)</td><td>568.0</td></tr><tr><td>Safety Factor</td><td>2.0</td><td>Depression Storage (mm)</td><td>5</td></tr><tr><td>Porosity</td><td>0.30</td><td>Evaporation (mm/day)</td><td>3</td></tr><tr><td>Invert Level (m)</td><td>48.950</td><td>Membrane Depth (m)</td><td>0</td></tr></table> |                                          |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.12132 | Width (m) | 46.8 | Membrane Percolation (mm/hr) | 1000 | Length (m) | 4.0 | Max Percolation (l/s) | 52.0 | Slope (1:X) | 568.0 | Safety Factor | 2.0 | Depression Storage (mm) | 5 | Porosity | 0.30 | Evaporation (mm/day) | 3 | Invert Level (m) | 48.950 | Membrane Depth (m) | 0 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0.12132                                  | Width (m)                                                                           | 46.8                                 |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Membrane Percolation (mm/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1000                                     | Length (m)                                                                          | 4.0                                  |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Max Percolation (l/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 52.0                                     | Slope (1:X)                                                                         | 568.0                                |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.0                                      | Depression Storage (mm)                                                             | 5                                    |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.30                                     | Evaporation (mm/day)                                                                | 3                                    |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 48.950                                   | Membrane Depth (m)                                                                  | 0                                    |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                          |                                                                                     |                                      |         |           |      |                              |      |            |     |                       |      |             |       |               |     |                         |   |          |      |                      |   |                  |        |                    |   |

| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| Date 01/06/2025<br>File 10644 Driveways A-E.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| <p>Summary of Results for 100 year Return Period (+45%)</p> <p>Half Drain Time : 18 minutes.</p> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>50.335</td><td>0.085</td><td>0.8</td><td>1.2</td><td>O K</td></tr><tr><td>30 min Summer</td><td>50.355</td><td>0.105</td><td>0.8</td><td>1.5</td><td>O K</td></tr><tr><td>60 min Summer</td><td>50.362</td><td>0.112</td><td>0.8</td><td>1.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>50.345</td><td>0.095</td><td>0.8</td><td>1.4</td><td>O K</td></tr><tr><td>180 min Summer</td><td>50.328</td><td>0.078</td><td>0.8</td><td>1.1</td><td>O K</td></tr><tr><td>240 min Summer</td><td>50.313</td><td>0.063</td><td>0.8</td><td>0.9</td><td>O K</td></tr><tr><td>360 min Summer</td><td>50.297</td><td>0.047</td><td>0.8</td><td>0.7</td><td>O K</td></tr><tr><td>480 min Summer</td><td>50.290</td><td>0.040</td><td>0.7</td><td>0.6</td><td>O K</td></tr><tr><td>600 min Summer</td><td>50.285</td><td>0.035</td><td>0.6</td><td>0.5</td><td>O K</td></tr><tr><td>720 min Summer</td><td>50.281</td><td>0.031</td><td>0.5</td><td>0.4</td><td>O K</td></tr><tr><td>960 min Summer</td><td>50.276</td><td>0.026</td><td>0.4</td><td>0.4</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>50.270</td><td>0.020</td><td>0.3</td><td>0.3</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>50.265</td><td>0.015</td><td>0.2</td><td>0.2</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>50.262</td><td>0.012</td><td>0.2</td><td>0.2</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>50.259</td><td>0.009</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>50.258</td><td>0.008</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>50.256</td><td>0.006</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>50.256</td><td>0.006</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>50.255</td><td>0.005</td><td>0.1</td><td>0.1</td><td>O K</td></tr><tr><td>15 min Winter</td><td>50.335</td><td>0.085</td><td>0.8</td><td>1.2</td><td>O K</td></tr></tbody></table> <table><thead><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr></thead><tbody><tr><td>15 min Summer</td><td>150.691</td><td>0.0</td><td>15</td></tr><tr><td>30 min Summer</td><td>101.035</td><td>0.0</td><td>24</td></tr><tr><td>60 min Summer</td><td>64.437</td><td>0.0</td><td>42</td></tr><tr><td>120 min Summer</td><td>38.373</td><td>0.0</td><td>74</td></tr><tr><td>180 min Summer</td><td>28.380</td><td>0.0</td><td>106</td></tr><tr><td>240 min Summer</td><td>22.913</td><td>0.0</td><td>134</td></tr><tr><td>360 min Summer</td><td>16.929</td><td>0.0</td><td>192</td></tr><tr><td>480 min Summer</td><td>13.654</td><td>0.0</td><td>252</td></tr><tr><td>600 min Summer</td><td>11.557</td><td>0.0</td><td>312</td></tr><tr><td>720 min Summer</td><td>10.086</td><td>0.0</td><td>372</td></tr><tr><td>960 min Summer</td><td>8.138</td><td>0.0</td><td>492</td></tr><tr><td>1440 min Summer</td><td>6.048</td><td>0.0</td><td>736</td></tr><tr><td>2160 min Summer</td><td>4.512</td><td>0.0</td><td>1100</td></tr><tr><td>2880 min Summer</td><td>3.667</td><td>0.0</td><td>1440</td></tr><tr><td>4320 min Summer</td><td>2.736</td><td>0.0</td><td>2148</td></tr><tr><td>5760 min Summer</td><td>2.225</td><td>0.0</td><td>2888</td></tr><tr><td>7200 min Summer</td><td>1.897</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>1.668</td><td>0.0</td><td>4280</td></tr><tr><td>10080 min Summer</td><td>1.498</td><td>0.0</td><td>5144</td></tr><tr><td>15 min Winter</td><td>150.691</td><td>0.0</td><td>15</td></tr></tbody></table> |               |                                      |                        |                                                                                     |        | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | 50.335 | 0.085 | 0.8 | 1.2 | O K | 30 min Summer | 50.355 | 0.105 | 0.8 | 1.5 | O K | 60 min Summer | 50.362 | 0.112 | 0.8 | 1.6 | O K | 120 min Summer | 50.345 | 0.095 | 0.8 | 1.4 | O K | 180 min Summer | 50.328 | 0.078 | 0.8 | 1.1 | O K | 240 min Summer | 50.313 | 0.063 | 0.8 | 0.9 | O K | 360 min Summer | 50.297 | 0.047 | 0.8 | 0.7 | O K | 480 min Summer | 50.290 | 0.040 | 0.7 | 0.6 | O K | 600 min Summer | 50.285 | 0.035 | 0.6 | 0.5 | O K | 720 min Summer | 50.281 | 0.031 | 0.5 | 0.4 | O K | 960 min Summer | 50.276 | 0.026 | 0.4 | 0.4 | O K | 1440 min Summer | 50.270 | 0.020 | 0.3 | 0.3 | O K | 2160 min Summer | 50.265 | 0.015 | 0.2 | 0.2 | O K | 2880 min Summer | 50.262 | 0.012 | 0.2 | 0.2 | O K | 4320 min Summer | 50.259 | 0.009 | 0.1 | 0.1 | O K | 5760 min Summer | 50.258 | 0.008 | 0.1 | 0.1 | O K | 7200 min Summer | 50.256 | 0.006 | 0.1 | 0.1 | O K | 8640 min Summer | 50.256 | 0.006 | 0.1 | 0.1 | O K | 10080 min Summer | 50.255 | 0.005 | 0.1 | 0.1 | O K | 15 min Winter | 50.335 | 0.085 | 0.8 | 1.2 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 150.691 | 0.0 | 15 | 30 min Summer | 101.035 | 0.0 | 24 | 60 min Summer | 64.437 | 0.0 | 42 | 120 min Summer | 38.373 | 0.0 | 74 | 180 min Summer | 28.380 | 0.0 | 106 | 240 min Summer | 22.913 | 0.0 | 134 | 360 min Summer | 16.929 | 0.0 | 192 | 480 min Summer | 13.654 | 0.0 | 252 | 600 min Summer | 11.557 | 0.0 | 312 | 720 min Summer | 10.086 | 0.0 | 372 | 960 min Summer | 8.138 | 0.0 | 492 | 1440 min Summer | 6.048 | 0.0 | 736 | 2160 min Summer | 4.512 | 0.0 | 1100 | 2880 min Summer | 3.667 | 0.0 | 1440 | 4320 min Summer | 2.736 | 0.0 | 2148 | 5760 min Summer | 2.225 | 0.0 | 2888 | 7200 min Summer | 1.897 | 0.0 | 3672 | 8640 min Summer | 1.668 | 0.0 | 4280 | 10080 min Summer | 1.498 | 0.0 | 5144 | 15 min Winter | 150.691 | 0.0 | 15 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Max Level (m) | Max Depth (m)                        | Max Infiltration (l/s) | Max Volume (m³)                                                                     | Status |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50.335        | 0.085                                | 0.8                    | 1.2                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50.355        | 0.105                                | 0.8                    | 1.5                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 50.362        | 0.112                                | 0.8                    | 1.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50.345        | 0.095                                | 0.8                    | 1.4                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50.328        | 0.078                                | 0.8                    | 1.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50.297        | 0.047                                | 0.8                    | 0.7                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 50.290        | 0.040                                | 0.7                    | 0.6                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.270        | 0.020                                | 0.3                    | 0.3                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.265        | 0.015                                | 0.2                    | 0.2                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.262        | 0.012                                | 0.2                    | 0.2                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.259        | 0.009                                | 0.1                    | 0.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.258        | 0.008                                | 0.1                    | 0.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.256        | 0.006                                | 0.1                    | 0.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 50.256        | 0.006                                | 0.1                    | 0.1                                                                                 | O K    |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Rain (mm/hr)  | Flooded Volume (m³)                  | Time-Peak (mins)       |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 38.373        | 0.0                                  | 74                     |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 13.654        | 0.0                                  | 252                    |                                                                                     |        |             |               |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 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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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                  |        |       |     |     |     |               |        |       |     |     |     |             |              |                     |                  |               |         |     |    |               |         |     |    |               |        |     |    |                |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                 |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |         |     |    |
| 7200 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 8640 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 10080 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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    |               |                        |                 |        |               |        |       |     |     |     |               |        |       |     |     |     |               |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     |     |     |                 |        |       |     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| ©1982-2020 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|                                                              |                     |                           |                                      |                       |        |                                                                                     |
|--------------------------------------------------------------|---------------------|---------------------------|--------------------------------------|-----------------------|--------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                     |                           |                                      |                       | Page 2 |                                                                                     |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS |                     |                           | Hurstwick Barn<br>Driveway Areas A-E |                       |        |  |
| Date 01/06/2025<br>File 10644 Driveways A-E.SRCX             |                     |                           | Designed by CM<br>Checked by MR      |                       |        |                                                                                     |
| Micro Drainage                                               |                     |                           | Source Control 2020.1.3              |                       |        |                                                                                     |
| Summary of Results for 100 year Return Period (+45%)         |                     |                           |                                      |                       |        |                                                                                     |
| 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                                                | 50.352              | 0.102                     | 0.8                                  | 1.5                   | O K    |                                                                                     |
| 60 min Winter                                                | 50.355              | 0.105                     | 0.8                                  | 1.5                   | O K    |                                                                                     |
| 120 min Winter                                               | 50.327              | 0.077                     | 0.8                                  | 1.1                   | O K    |                                                                                     |
| 180 min Winter                                               | 50.305              | 0.055                     | 0.8                                  | 0.8                   | O K    |                                                                                     |
| 240 min Winter                                               | 50.295              | 0.045                     | 0.7                                  | 0.6                   | O K    |                                                                                     |
| 360 min Winter                                               | 50.285              | 0.035                     | 0.6                                  | 0.5                   | O K    |                                                                                     |
| 480 min Winter                                               | 50.279              | 0.029                     | 0.5                                  | 0.4                   | O K    |                                                                                     |
| 600 min Winter                                               | 50.274              | 0.024                     | 0.4                                  | 0.4                   | O K    |                                                                                     |
| 720 min Winter                                               | 50.271              | 0.021                     | 0.3                                  | 0.3                   | O K    |                                                                                     |
| 960 min Winter                                               | 50.267              | 0.017                     | 0.3                                  | 0.3                   | O K    |                                                                                     |
| 1440 min Winter                                              | 50.263              | 0.013                     | 0.2                                  | 0.2                   | O K    |                                                                                     |
| 2160 min Winter                                              | 50.260              | 0.010                     | 0.2                                  | 0.1                   | O K    |                                                                                     |
| 2880 min Winter                                              | 50.258              | 0.008                     | 0.1                                  | 0.1                   | O K    |                                                                                     |
| 4320 min Winter                                              | 50.256              | 0.006                     | 0.1                                  | 0.1                   | O K    |                                                                                     |
| 5760 min Winter                                              | 50.255              | 0.005                     | 0.1                                  | 0.1                   | O K    |                                                                                     |
| 7200 min Winter                                              | 50.254              | 0.004                     | 0.1                                  | 0.1                   | O K    |                                                                                     |
| 8640 min Winter                                              | 50.254              | 0.004                     | 0.1                                  | 0.1                   | O K    |                                                                                     |
| 10080 min Winter                                             | 50.253              | 0.003                     | 0.1                                  | 0.0                   | O K    |                                                                                     |
| Storm<br>Event                                               | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³) | Time-Peak<br>(mins)                  |                       |        |                                                                                     |
| 30 min Winter                                                | 101.035             | 0.0                       | 25                                   |                       |        |                                                                                     |
| 60 min Winter                                                | 64.437              | 0.0                       | 44                                   |                       |        |                                                                                     |
| 120 min Winter                                               | 38.373              | 0.0                       | 78                                   |                       |        |                                                                                     |
| 180 min Winter                                               | 28.380              | 0.0                       | 106                                  |                       |        |                                                                                     |
| 240 min Winter                                               | 22.913              | 0.0                       | 134                                  |                       |        |                                                                                     |
| 360 min Winter                                               | 16.929              | 0.0                       | 194                                  |                       |        |                                                                                     |
| 480 min Winter                                               | 13.654              | 0.0                       | 252                                  |                       |        |                                                                                     |
| 600 min Winter                                               | 11.557              | 0.0                       | 316                                  |                       |        |                                                                                     |
| 720 min Winter                                               | 10.086              | 0.0                       | 376                                  |                       |        |                                                                                     |
| 960 min Winter                                               | 8.138               | 0.0                       | 500                                  |                       |        |                                                                                     |
| 1440 min Winter                                              | 6.048               | 0.0                       | 734                                  |                       |        |                                                                                     |
| 2160 min Winter                                              | 4.512               | 0.0                       | 1068                                 |                       |        |                                                                                     |
| 2880 min Winter                                              | 3.667               | 0.0                       | 1496                                 |                       |        |                                                                                     |
| 4320 min Winter                                              | 2.736               | 0.0                       | 2244                                 |                       |        |                                                                                     |
| 5760 min Winter                                              | 2.225               | 0.0                       | 2960                                 |                       |        |                                                                                     |
| 7200 min Winter                                              | 1.897               | 0.0                       | 3552                                 |                       |        |                                                                                     |
| 8640 min Winter                                              | 1.668               | 0.0                       | 4184                                 |                       |        |                                                                                     |
| 10080 min Winter                                             | 1.498               | 0.0                       | 4952                                 |                       |        |                                                                                     |
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|                                                              |                                      |                                                                                     |
|--------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|
| GTA Civils Ltd                                               |                                      | Page 3                                                                              |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS | Hurstwick Barn<br>Driveway Areas A-E |  |
| Date 01/06/2025<br>File 10644 Driveways A-E.SRCX             | Designed by CM<br>Checked by MR      |                                                                                     |
| Micro Drainage Source Control 2020.1.3                       |                                      |                                                                                     |

Rainfall Details

|                       |                                 |
|-----------------------|---------------------------------|
| Rainfall Model        | FEH                             |
| Return Period (years) | 100                             |
| FEH Rainfall Version  | 2013                            |
| Site Location         | GB 529199 116340 TQ 29199 16340 |
| Data Type             | Point                           |
| Summer Storms         | Yes                             |
| Winter Storms         | Yes                             |
| Cv (Summer)           | 1.000                           |
| Cv (Winter)           | 1.000                           |
| Shortest Storm (mins) | 15                              |
| Longest Storm (mins)  | 10080                           |
| Climate Change %      | +45                             |

Time Area Diagram

Total Area (ha) 0.005

| Time (mins) | Area     |
|-------------|----------|
| From:       | To: (ha) |
| 0           | 4 0.005  |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                      |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------|-----------|-----|------------------------------|------|------------|------|-----------------------|------|-------------|-----|---------------|-----|-------------------------|---|----------|------|----------------------|---|------------------|--------|--------------------|---|
| GTA Civils Ltd                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                      | Page 4                                                                              |                                      |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Gloucester House<br>66a Church Walk<br>Burgess Hill RH15 9AS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Hurstwick Barn<br>Driveway Areas A-E |  |                                      |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Date 01/06/2025<br>File 10644 Driveways A-E.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Designed by CM<br>Checked by MR      |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Micro Drainage Source Control 2020.1.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                      |                                                                                     |                                      |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| <p style="text-align: center;"><u>Model Details</u></p> <p style="text-align: center;">Storage is Online Cover Level (m) 50.700</p> <p style="text-align: center;"><u>Porous Car Park Structure</u></p> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.12132</td> <td>Width (m)</td> <td>4.0</td> </tr> <tr> <td>Membrane Percolation (mm/hr)</td> <td>1000</td> <td>Length (m)</td> <td>12.0</td> </tr> <tr> <td>Max Percolation (l/s)</td> <td>13.3</td> <td>Slope (1:X)</td> <td>0.0</td> </tr> <tr> <td>Safety Factor</td> <td>2.0</td> <td>Depression Storage (mm)</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Evaporation (mm/day)</td> <td>3</td> </tr> <tr> <td>Invert Level (m)</td> <td>50.250</td> <td>Membrane Depth (m)</td> <td>0</td> </tr> </table> |                                      |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.12132 | Width (m) | 4.0 | Membrane Percolation (mm/hr) | 1000 | Length (m) | 12.0 | Max Percolation (l/s) | 13.3 | Slope (1:X) | 0.0 | Safety Factor | 2.0 | Depression Storage (mm) | 5 | Porosity | 0.30 | Evaporation (mm/day) | 3 | Invert Level (m) | 50.250 | Membrane Depth (m) | 0 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.12132                              | Width (m)                                                                           | 4.0                                  |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Membrane Percolation (mm/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1000                                 | Length (m)                                                                          | 12.0                                 |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Max Percolation (l/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 13.3                                 | Slope (1:X)                                                                         | 0.0                                  |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 2.0                                  | Depression Storage (mm)                                                             | 5                                    |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30                                 | Evaporation (mm/day)                                                                | 3                                    |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 50.250                               | Membrane Depth (m)                                                                  | 0                                    |         |           |     |                              |      |            |      |                       |      |             |     |               |     |                         |   |          |      |                      |   |                  |        |                    |   |
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