

| Paul Basham Associates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| Date 29/04/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        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| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| <p>Summary of Results for 30 year Return Period (+30%)</p> <p>Half Drain Time : 889 minutes.</p> <table><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Infiltration (l/s)</th><th>Max Volume (m³)</th><th>Status</th></tr><tr><td>15 min Summer</td><td>-3.783</td><td>1.317</td><td>1.1</td><td>67.4</td><td>O K</td></tr><tr><td>30 min Summer</td><td>-3.358</td><td>1.742</td><td>1.3</td><td>89.2</td><td>O K</td></tr><tr><td>60 min Summer</td><td>-2.908</td><td>2.192</td><td>1.5</td><td>112.2</td><td>O K</td></tr><tr><td>120 min Summer</td><td>-2.453</td><td>2.647</td><td>1.7</td><td>135.5</td><td>O K</td></tr><tr><td>180 min Summer</td><td>-2.205</td><td>2.895</td><td>1.9</td><td>148.2</td><td>O K</td></tr><tr><td>240 min Summer</td><td>-2.051</td><td>3.049</td><td>1.9</td><td>156.1</td><td>O K</td></tr><tr><td>360 min Summer</td><td>-1.871</td><td>3.229</td><td>2.0</td><td>165.3</td><td>O K</td></tr><tr><td>480 min Summer</td><td>-1.781</td><td>3.319</td><td>2.1</td><td>169.9</td><td>O K</td></tr><tr><td>600 min Summer</td><td>-1.743</td><td>3.357</td><td>2.1</td><td>171.9</td><td>O K</td></tr><tr><td>720 min Summer</td><td>-1.721</td><td>3.379</td><td>2.1</td><td>173.0</td><td>O K</td></tr><tr><td>960 min Summer</td><td>-1.696</td><td>3.404</td><td>2.1</td><td>174.3</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>-1.705</td><td>3.395</td><td>2.1</td><td>173.8</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>-1.794</td><td>3.306</td><td>2.0</td><td>169.3</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>-1.918</td><td>3.182</td><td>2.0</td><td>162.9</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>-2.182</td><td>2.918</td><td>1.9</td><td>149.4</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>-2.412</td><td>2.688</td><td>1.8</td><td>137.6</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>-2.614</td><td>2.486</td><td>1.7</td><td>127.3</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>-2.789</td><td>2.311</td><td>1.6</td><td>118.3</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>-2.945</td><td>2.155</td><td>1.5</td><td>110.3</td><td>O K</td></tr><tr><td>15 min Winter</td><td>-3.624</td><td>1.476</td><td>1.2</td><td>75.6</td><td>O K</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>89.487</td><td>0.0</td><td>19</td></tr><tr><td>30 min Summer</td><td>59.577</td><td>0.0</td><td>34</td></tr><tr><td>60 min Summer</td><td>38.009</td><td>0.0</td><td>64</td></tr><tr><td>120 min Summer</td><td>23.546</td><td>0.0</td><td>122</td></tr><tr><td>180 min Summer</td><td>17.594</td><td>0.0</td><td>182</td></tr><tr><td>240 min Summer</td><td>14.237</td><td>0.0</td><td>242</td></tr><tr><td>360 min Summer</td><td>10.537</td><td>0.0</td><td>362</td></tr><tr><td>480 min Summer</td><td>8.507</td><td>0.0</td><td>480</td></tr><tr><td>600 min Summer</td><td>7.201</td><td>0.0</td><td>582</td></tr><tr><td>720 min Summer</td><td>6.281</td><td>0.0</td><td>624</td></tr><tr><td>960 min Summer</td><td>5.060</td><td>0.0</td><td>750</td></tr><tr><td>1440 min Summer</td><td>3.726</td><td>0.0</td><td>1010</td></tr><tr><td>2160 min Summer</td><td>2.740</td><td>0.0</td><td>1428</td></tr><tr><td>2880 min Summer</td><td>2.201</td><td>0.0</td><td>1844</td></tr><tr><td>4320 min Summer</td><td>1.614</td><td>0.0</td><td>2640</td></tr><tr><td>5760 min Summer</td><td>1.295</td><td>0.0</td><td>3464</td></tr><tr><td>7200 min Summer</td><td>1.091</td><td>0.0</td><td>4248</td></tr><tr><td>8640 min Summer</td><td>0.948</td><td>0.0</td><td>5016</td></tr><tr><td>10080 min Summer</td><td>0.843</td><td>0.0</td><td>5752</td></tr><tr><td>15 min Winter</td><td>89.487</td><td>0.0</td><td>19</td></tr></table> |               |                         |                        |                 |                                                                                     | Storm Event | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status | 15 min Summer | -3.783 | 1.317 | 1.1 | 67.4 | O K | 30 min Summer | -3.358 | 1.742 | 1.3 | 89.2 | O K | 60 min Summer | -2.908 | 2.192 | 1.5 | 112.2 | O K | 120 min Summer | -2.453 | 2.647 | 1.7 | 135.5 | O K | 180 min Summer | -2.205 | 2.895 | 1.9 | 148.2 | O K | 240 min Summer | -2.051 | 3.049 | 1.9 | 156.1 | O K | 360 min Summer | -1.871 | 3.229 | 2.0 | 165.3 | O K | 480 min Summer | -1.781 | 3.319 | 2.1 | 169.9 | O K | 600 min Summer | -1.743 | 3.357 | 2.1 | 171.9 | O K | 720 min Summer | -1.721 | 3.379 | 2.1 | 173.0 | O K | 960 min Summer | -1.696 | 3.404 | 2.1 | 174.3 | O K | 1440 min Summer | -1.705 | 3.395 | 2.1 | 173.8 | O K | 2160 min Summer | -1.794 | 3.306 | 2.0 | 169.3 | O K | 2880 min Summer | -1.918 | 3.182 | 2.0 | 162.9 | O K | 4320 min Summer | -2.182 | 2.918 | 1.9 | 149.4 | O K | 5760 min Summer | -2.412 | 2.688 | 1.8 | 137.6 | O K | 7200 min Summer | -2.614 | 2.486 | 1.7 | 127.3 | O K | 8640 min Summer | -2.789 | 2.311 | 1.6 | 118.3 | O K | 10080 min Summer | -2.945 | 2.155 | 1.5 | 110.3 | O K | 15 min Winter | -3.624 | 1.476 | 1.2 | 75.6 | O K | Storm Event | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) | 15 min Summer | 89.487 | 0.0 | 19 | 30 min Summer | 59.577 | 0.0 | 34 | 60 min Summer | 38.009 | 0.0 | 64 | 120 min Summer | 23.546 | 0.0 | 122 | 180 min Summer | 17.594 | 0.0 | 182 | 240 min Summer | 14.237 | 0.0 | 242 | 360 min Summer | 10.537 | 0.0 | 362 | 480 min Summer | 8.507 | 0.0 | 480 | 600 min Summer | 7.201 | 0.0 | 582 | 720 min Summer | 6.281 | 0.0 | 624 | 960 min Summer | 5.060 | 0.0 | 750 | 1440 min Summer | 3.726 | 0.0 | 1010 | 2160 min Summer | 2.740 | 0.0 | 1428 | 2880 min Summer | 2.201 | 0.0 | 1844 | 4320 min Summer | 1.614 | 0.0 | 2640 | 5760 min Summer | 1.295 | 0.0 | 3464 | 7200 min Summer | 1.091 | 0.0 | 4248 | 8640 min Summer | 0.948 | 0.0 | 5016 | 10080 min Summer | 0.843 | 0.0 | 5752 | 15 min Winter | 89.487 | 0.0 | 19 |
| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Max Level (m) | Max Depth (m)           | Max Infiltration (l/s) | Max Volume (m³) | Status                                                                              |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -3.783        | 1.317                   | 1.1                    | 67.4            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 30 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -3.358        | 1.742                   | 1.3                    | 89.2            | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 60 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | -2.908        | 2.192                   | 1.5                    | 112.2           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 120 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 180 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 240 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 360 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -1.871        | 3.229                   | 2.0                    | 165.3           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 480 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 600 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 720 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 960 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -1.696        | 3.404                   | 2.1                    | 174.3           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 1440 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -1.705        | 3.395                   | 2.1                    | 173.8           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 2160 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -1.794        | 3.306                   | 2.0                    | 169.3           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 2880 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -1.918        | 3.182                   | 2.0                    | 162.9           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 4320 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -2.182        | 2.918                   | 1.9                    | 149.4           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 5760 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | -2.412        | 2.688                   | 1.8                    | 137.6           | O K                                                                                 |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 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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| Storm Event                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     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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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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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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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     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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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              |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| 15 min Winter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 89.487        | 0.0                     | 19                     |                 |                                                                                     |             |               |               |                        |                 |        |               |        |       |     |      |     |               |        |       |     |      |     |               |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                 |        |       |     |       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |
| ©1982-2018 Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    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|       |     |                  |        |       |     |       |     |               |        |       |     |      |     |             |              |                     |                  |               |        |     |    |               |        |     |    |               |        |     |    |                |        |     |     |                |        |     |     |                |        |     |     |                |        |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                |       |     |     |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                 |       |     |      |                  |       |     |      |               |        |     |    |

|                                                     |                     |                           |                              |                                                                                     |        |
|-----------------------------------------------------|---------------------|---------------------------|------------------------------|-------------------------------------------------------------------------------------|--------|
| Paul Basham Associates                              |                     |                           |                              | Page 2                                                                              |        |
| Lancaster Court<br>Fareham<br>Hampshire, PO15 5TU   |                     | 5NO                       |                              |  |        |
| Date 29/04/2019                                     |                     | Designed by JB            |                              |                                                                                     |        |
| File 5no Ring Soakaway. lin3...                     |                     | Checked by AS             |                              |                                                                                     |        |
| Innovyze                                            |                     | Source Control 2018.1.1   |                              |                                                                                     |        |
| Summary of Results for 30 year Return Period (+30%) |                     |                           |                              |                                                                                     |        |
| 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                                       | -3.147              | 1.953                     | 1.4                          | 100.0                                                                               | O K    |
| 60 min Winter                                       | -2.639              | 2.461                     | 1.7                          | 126.0                                                                               | O K    |
| 120 min Winter                                      | -2.123              | 2.977                     | 1.9                          | 152.4                                                                               | O K    |
| 180 min Winter                                      | -1.839              | 3.261                     | 2.0                          | 167.0                                                                               | O K    |
| 240 min Winter                                      | -1.660              | 3.440                     | 2.1                          | 176.1                                                                               | O K    |
| 360 min Winter                                      | -1.445              | 3.655                     | 2.2                          | 187.1                                                                               | O K    |
| 480 min Winter                                      | -1.328              | 3.772                     | 2.3                          | 193.1                                                                               | O K    |
| 600 min Winter                                      | -1.269              | 3.831                     | 2.3                          | 196.2                                                                               | O K    |
| 720 min Winter                                      | -1.245              | 3.855                     | 2.3                          | 197.4                                                                               | O K    |
| 960 min Winter                                      | -1.237              | 3.863                     | 2.3                          | 197.8                                                                               | O K    |
| 1440 min Winter                                     | -1.264              | 3.836                     | 2.3                          | 196.4                                                                               | O K    |
| 2160 min Winter                                     | -1.411              | 3.689                     | 2.2                          | 188.9                                                                               | O K    |
| 2880 min Winter                                     | -1.599              | 3.501                     | 2.1                          | 179.2                                                                               | O K    |
| 4320 min Winter                                     | -1.980              | 3.120                     | 2.0                          | 159.7                                                                               | O K    |
| 5760 min Winter                                     | -2.318              | 2.782                     | 1.8                          | 142.4                                                                               | O K    |
| 7200 min Winter                                     | -2.600              | 2.500                     | 1.7                          | 128.0                                                                               | O K    |
| 8640 min Winter                                     | -2.837              | 2.263                     | 1.6                          | 115.9                                                                               | O K    |
| 10080 min Winter                                    | -3.043              | 2.057                     | 1.5                          | 105.3                                                                               | O K    |
| Storm<br>Event                                      | Rain<br>(mm/hr)     | Flooded<br>Volume<br>(m³) | Time-Peak<br>(mins)          |                                                                                     |        |
| 30 min Winter                                       | 59.577              | 0.0                       | 33                           |                                                                                     |        |
| 60 min Winter                                       | 38.009              | 0.0                       | 62                           |                                                                                     |        |
| 120 min Winter                                      | 23.546              | 0.0                       | 122                          |                                                                                     |        |
| 180 min Winter                                      | 17.594              | 0.0                       | 180                          |                                                                                     |        |
| 240 min Winter                                      | 14.237              | 0.0                       | 238                          |                                                                                     |        |
| 360 min Winter                                      | 10.537              | 0.0                       | 352                          |                                                                                     |        |
| 480 min Winter                                      | 8.507               | 0.0                       | 464                          |                                                                                     |        |
| 600 min Winter                                      | 7.201               | 0.0                       | 572                          |                                                                                     |        |
| 720 min Winter                                      | 6.281               | 0.0                       | 678                          |                                                                                     |        |
| 960 min Winter                                      | 5.060               | 0.0                       | 770                          |                                                                                     |        |
| 1440 min Winter                                     | 3.726               | 0.0                       | 1070                         |                                                                                     |        |
| 2160 min Winter                                     | 2.740               | 0.0                       | 1536                         |                                                                                     |        |
| 2880 min Winter                                     | 2.201               | 0.0                       | 1984                         |                                                                                     |        |
| 4320 min Winter                                     | 1.614               | 0.0                       | 2852                         |                                                                                     |        |
| 5760 min Winter                                     | 1.295               | 0.0                       | 3688                         |                                                                                     |        |
| 7200 min Winter                                     | 1.091               | 0.0                       | 4472                         |                                                                                     |        |
| 8640 min Winter                                     | 0.948               | 0.0                       | 5272                         |                                                                                     |        |
| 10080 min Winter                                    | 0.843               | 0.0                       | 6056                         |                                                                                     |        |
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| Paul Basham Associates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   | Page 3                                                                              |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|----------------|-----|---------------|-----|-----------------------|----|-------------|-------|--------|-------------------|-------------|-------|------------|--------|-----------------------|----|---------|-------|----------------------|-------|---------------|-----|------------------|-----|-------------|--|------|-------|-----|------|---|---|-------|
| Lancaster Court<br>Fareham<br>Hampshire, PO15 5TU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5NO               |  |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Date 29/04/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Designed by JB    |                                                                                     |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| File 5no Ring Soakaway. 1in3...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Checked by AS     |                                                                                     |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | Source Control 2018.1.1                                                             |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FSR</td> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Return Period (years)</td> <td>30</td> <td>Cv (Summer)</td> <td>0.750</td> </tr> <tr> <td>Region</td> <td>England and Wales</td> <td>Cv (Winter)</td> <td>0.840</td> </tr> <tr> <td>M5-60 (mm)</td> <td>19.000</td> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Ratio R</td> <td>0.350</td> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> <td>Climate Change %</td> <td>+30</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p>Total Area (ha) 0.407</p> <table> <thead> <tr> <th colspan="2">Time (mins)</th> <th>Area</th> </tr> <tr> <th>From:</th> <th>To:</th> <th>(ha)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4</td> <td>0.407</td> </tr> </tbody> </table> |                   |                                                                                     | Rainfall Model | FSR | Winter Storms | Yes | Return Period (years) | 30 | Cv (Summer) | 0.750 | Region | England and Wales | Cv (Winter) | 0.840 | M5-60 (mm) | 19.000 | Shortest Storm (mins) | 15 | Ratio R | 0.350 | Longest Storm (mins) | 10080 | Summer Storms | Yes | Climate Change % | +30 | Time (mins) |  | Area | From: | To: | (ha) | 0 | 4 | 0.407 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | FSR               | Winter Storms                                                                       | Yes            |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30                | Cv (Summer)                                                                         | 0.750          |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Region                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | England and Wales | Cv (Winter)                                                                         | 0.840          |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| M5-60 (mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19.000            | Shortest Storm (mins)                                                               | 15             |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Ratio R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 0.350             | Longest Storm (mins)                                                                | 10080          |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Summer Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes               | Climate Change %                                                                    | +30            |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | Area                                                                                |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| From:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To:               | (ha)                                                                                |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4                 | 0.407                                                                               |                |     |               |     |                       |    |             |       |        |                   |             |       |            |        |                       |    |         |       |                      |       |               |     |                  |     |             |  |      |       |     |      |   |   |       |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                                     |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------|--------------------------------------|---------|-------------------|------|--------------------------------------|---------|----------------|-----|---------------|-----|-----------------|---|----------|------|----------------------|-------|------------------|--------|----------------------------|-------|
| Paul Basham Associates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | Page 4                                                                              |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Lancaster Court<br>Fareham<br>Hampshire, PO15 5TU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5NO            |  |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Date 29/04/2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Designed by JB |                                                                                     |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| File 5no Ring Soakaway. lin3...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Checked by AS  |                                                                                     |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Innovyze                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | Source Control 2018.1.1                                                             |                                      |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| <p style="text-align: center;"><u>Model Details</u></p> <p style="text-align: center;">Storage is Online Cover Level (m) 0.000</p> <p style="text-align: center;"><u>Lined Soakaway Structure</u></p> <table> <tr> <td>Infiltration Coefficient Base (m/hr)</td> <td>0.13104</td> <td>Ring Diameter (m)</td> <td>3.00</td> </tr> <tr> <td>Infiltration Coefficient Side (m/hr)</td> <td>0.13104</td> <td>Pit Multiplier</td> <td>1.4</td> </tr> <tr> <td>Safety Factor</td> <td>6.5</td> <td>Number Required</td> <td>5</td> </tr> <tr> <td>Porosity</td> <td>0.30</td> <td>Cap Volume Depth (m)</td> <td>5.100</td> </tr> <tr> <td>Invert Level (m)</td> <td>-5.100</td> <td>Cap Infiltration Depth (m)</td> <td>5.100</td> </tr> </table> |                |                                                                                     | Infiltration Coefficient Base (m/hr) | 0.13104 | Ring Diameter (m) | 3.00 | Infiltration Coefficient Side (m/hr) | 0.13104 | Pit Multiplier | 1.4 | Safety Factor | 6.5 | Number Required | 5 | Porosity | 0.30 | Cap Volume Depth (m) | 5.100 | Invert Level (m) | -5.100 | Cap Infiltration Depth (m) | 5.100 |
| Infiltration Coefficient Base (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.13104        | Ring Diameter (m)                                                                   | 3.00                                 |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Infiltration Coefficient Side (m/hr)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0.13104        | Pit Multiplier                                                                      | 1.4                                  |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Safety Factor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6.5            | Number Required                                                                     | 5                                    |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Porosity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0.30           | Cap Volume Depth (m)                                                                | 5.100                                |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
| Invert Level (m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | -5.100         | Cap Infiltration Depth (m)                                                          | 5.100                                |         |                   |      |                                      |         |                |     |               |     |                 |   |          |      |                      |       |                  |        |                            |       |
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