





| Robert Clark Associates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                | Page 3                                                                              |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|----------------|-----|-----------------------|-----|---------------|------------------------------|---------|--------|----------|-------|----------|-------|----------|-------|---------|-------|---------|-------|---------------|-----|---------------|-----|-------------|-------|-------------|-------|-----------------------|----|----------------------|-------|------------------|-----|-------------|------|-----------|------|---|---------|
| Willow Cottage<br>Herne Lane<br>Rustington BN16 3EE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 6 The Loop<br>Felpham          |  |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Date 19 April 2026<br>File Geocell1.SRCX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Designed by RTFC<br>Checked by |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Micro Drainage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                | Source Control 2016.1                                                               |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| <p style="text-align: center;"><u>Rainfall Details</u></p> <table> <tr> <td>Rainfall Model</td> <td>FEH</td> </tr> <tr> <td>Return Period (years)</td> <td>100</td> </tr> <tr> <td>Site Location</td> <td>496318 099646 SZ 96318 99646</td> </tr> <tr> <td>C (1km)</td> <td>-0.026</td> </tr> <tr> <td>D1 (1km)</td> <td>0.413</td> </tr> <tr> <td>D2 (1km)</td> <td>0.243</td> </tr> <tr> <td>D3 (1km)</td> <td>0.402</td> </tr> <tr> <td>E (1km)</td> <td>0.310</td> </tr> <tr> <td>F (1km)</td> <td>2.325</td> </tr> <tr> <td>Summer Storms</td> <td>Yes</td> </tr> <tr> <td>Winter Storms</td> <td>Yes</td> </tr> <tr> <td>Cv (Summer)</td> <td>1.000</td> </tr> <tr> <td>Cv (Winter)</td> <td>1.000</td> </tr> <tr> <td>Shortest Storm (mins)</td> <td>15</td> </tr> <tr> <td>Longest Storm (mins)</td> <td>10080</td> </tr> <tr> <td>Climate Change %</td> <td>+45</td> </tr> </table> <p style="text-align: center;"><u>Time Area Diagram</u></p> <p>Total Area (ha) 0.004</p> <table> <thead> <tr> <th>Time (mins)</th> <th>Area</th> </tr> <tr> <th>From: To:</th> <th>(ha)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>4 0.004</td> </tr> </tbody> </table> |                                |                                                                                     | Rainfall Model | FEH | Return Period (years) | 100 | Site Location | 496318 099646 SZ 96318 99646 | C (1km) | -0.026 | D1 (1km) | 0.413 | D2 (1km) | 0.243 | D3 (1km) | 0.402 | E (1km) | 0.310 | F (1km) | 2.325 | Summer Storms | Yes | Winter Storms | Yes | Cv (Summer) | 1.000 | Cv (Winter) | 1.000 | Shortest Storm (mins) | 15 | Longest Storm (mins) | 10080 | Climate Change % | +45 | Time (mins) | Area | From: To: | (ha) | 0 | 4 0.004 |
| Rainfall Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | FEH                            |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Return Period (years)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 100                            |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Site Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 496318 099646 SZ 96318 99646   |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| C (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | -0.026                         |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| D1 (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.413                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| D2 (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.243                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| D3 (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0.402                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| E (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 0.310                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| F (1km)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.325                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Summer Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                            |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Winter Storms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                            |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Cv (Summer)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.000                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Cv (Winter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1.000                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Shortest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 15                             |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Longest Storm (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10080                          |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Climate Change %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | +45                            |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| Time (mins)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Area                           |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| From: To:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | (ha)                           |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
| 0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4 0.004                        |                                                                                     |                |     |                       |     |               |                              |         |        |          |       |          |       |          |       |         |       |         |       |               |     |               |     |             |       |             |       |                       |    |                      |       |                  |     |             |      |           |      |   |         |
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|                                                     |                                |                                                                                     |
|-----------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Robert Clark Associates                             |                                | Page 4                                                                              |
| Willow Cottage<br>Herne Lane<br>Rustington BN16 3EE | 6 The Loop<br>Felpham          |  |
| Date 19 April 2026<br>File Geocell1.SRCX            | Designed by RTFC<br>Checked by |                                                                                     |
| Micro Drainage Source Control 2016.1                |                                |                                                                                     |

Model Details

Storage is Online Cover Level (m) 4.255

Cellular Storage Structure

Invert Level (m) 3.450 Safety Factor 1.0  
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 0.95  
Infiltration Coefficient Side (m/hr) 0.00000

| Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 0.000     | 4.0                    | 4.0                         | 0.500     | 0.0                    | 7.2                         |
| 0.400     | 4.0                    | 7.2                         |           |                        |                             |

Orifice Outflow Control

Diameter (m) 0.020 Discharge Coefficient 0.600 Invert Level (m) 3.450

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