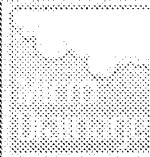


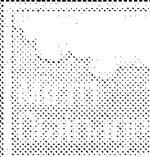
|                         |                       |                                                                                     |
|-------------------------|-----------------------|-------------------------------------------------------------------------------------|
| Robert Clark Associates |                       | Page 1                                                                              |
| Willow Cottage          | Mill View Road        |  |
| Herne Lane              | Yapton                |                                                                                     |
| Rustington BN16 3EE     |                       |                                                                                     |
| Date 14 June 2018       | Designed by RTFC      |                                                                                     |
| File Rear geocell SRCX  | Checked by            |                                                                                     |
| Micro Drainage          | Source Control 2016.1 |                                                                                     |

Summary of Results for 100 year Return Period (+40%)

Half Drain Time : 1078 minutes.

| Storm Event      | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status |
|------------------|---------------|---------------|------------------------|-----------------|--------|
| 15 min Summer    | 5.243         | 0.133         | 0.1                    | 2.5             | OK     |
| 30 min Summer    | 5.288         | 0.178         | 0.1                    | 3.4             | OK     |
| 60 min Summer    | 5.336         | 0.226         | 0.1                    | 4.3             | OK     |
| 120 min Summer   | 5.383         | 0.273         | 0.1                    | 5.2             | OK     |
| 180 min Summer   | 5.408         | 0.298         | 0.1                    | 5.7             | OK     |
| 240 min Summer   | 5.424         | 0.314         | 0.1                    | 6.0             | OK     |
| 360 min Summer   | 5.442         | 0.332         | 0.1                    | 6.3             | OK     |
| 480 min Summer   | 5.451         | 0.341         | 0.1                    | 6.5             | OK     |
| 600 min Summer   | 5.455         | 0.345         | 0.1                    | 6.6             | OK     |
| 720 min Summer   | 5.456         | 0.346         | 0.1                    | 6.6             | OK     |
| 960 min Summer   | 5.454         | 0.344         | 0.1                    | 6.5             | OK     |
| 1440 min Summer  | 5.446         | 0.336         | 0.1                    | 6.4             | OK     |
| 2160 min Summer  | 5.430         | 0.320         | 0.1                    | 6.1             | OK     |
| 2880 min Summer  | 5.412         | 0.302         | 0.1                    | 5.7             | OK     |
| 4320 min Summer  | 5.378         | 0.268         | 0.1                    | 5.1             | OK     |
| 5760 min Summer  | 5.345         | 0.235         | 0.1                    | 4.5             | OK     |
| 7200 min Summer  | 5.316         | 0.206         | 0.1                    | 3.9             | OK     |
| 8640 min Summer  | 5.290         | 0.180         | 0.1                    | 3.4             | OK     |
| 10080 min Summer | 5.267         | 0.157         | 0.1                    | 3.0             | OK     |
| 15 min Winter    | 5.259         | 0.149         | 0.1                    | 2.8             | OK     |

| Storm Event      | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) |
|------------------|--------------|---------------------|------------------|
| 15 min Summer    | 124.633      | 0.0                 | 19               |
| 30 min Summer    | 83.789       | 0.0                 | 34               |
| 60 min Summer    | 53.779       | 0.0                 | 64               |
| 120 min Summer   | 33.337       | 0.0                 | 124              |
| 180 min Summer   | 24.832       | 0.0                 | 182              |
| 240 min Summer   | 20.006       | 0.0                 | 242              |
| 360 min Summer   | 14.706       | 0.0                 | 362              |
| 480 min Summer   | 11.818       | 0.0                 | 482              |
| 600 min Summer   | 9.966        | 0.0                 | 600              |
| 720 min Summer   | 8.665        | 0.0                 | 720              |
| 960 min Summer   | 6.943        | 0.0                 | 838              |
| 1440 min Summer  | 5.071        | 0.0                 | 1084             |
| 2160 min Summer  | 3.696        | 0.0                 | 1492             |
| 2880 min Summer  | 2.949        | 0.0                 | 1904             |
| 4320 min Summer  | 2.142        | 0.0                 | 2724             |
| 5760 min Summer  | 1.705        | 0.0                 | 3520             |
| 7200 min Summer  | 1.427        | 0.0                 | 4320             |
| 8640 min Summer  | 1.235        | 0.0                 | 5024             |
| 10080 min Summer | 1.093        | 0.0                 | 5752             |
| 15 min Winter    | 124.633      | 0.0                 | 19               |

|                                                    |                                |                                                                                     |
|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|
| Robert Clark Associates                            |                                | Page 2                                                                              |
| Willow Cottage<br>Heme Lane<br>Rustington BN16 3EE | Mill View Road<br>Yapton       |  |
| Date 14 June 2018<br>File Ref: geocell SRCX        | Designed by RIFC<br>Checked by |                                                                                     |
| Micro Drainage                                     | Source Control 2016.1          |                                                                                     |

Summary of Results for 100 year Return Period (+40%)

| Storm Event      | Max Level (m) | Max Depth (m) | Max Infiltration (l/s) | Max Volume (m³) | Status |
|------------------|---------------|---------------|------------------------|-----------------|--------|
| 30 min Winter    | 5.310         | 0.200         | 0.1                    | 3.8             | OK     |
| 60 min Winter    | 5.363         | 0.253         | 0.1                    | 4.8             | OK     |
| 120 min Winter   | 5.417         | 0.307         | 0.1                    | 5.8             | OK     |
| 180 min Winter   | 5.447         | 0.337         | 0.1                    | 6.4             | OK     |
| 240 min Winter   | 5.465         | 0.355         | 0.1                    | 6.7             | OK     |
| 360 min Winter   | 5.487         | 0.377         | 0.1                    | 7.2             | OK     |
| 480 min Winter   | 5.499         | 0.389         | 0.1                    | 7.4             | OK     |
| 600 min Winter   | 5.506         | 0.396         | 0.1                    | 7.5             | OK     |
| 720 min Winter   | 5.509         | 0.399         | 0.1                    | 7.6             | OK     |
| 960 min Winter   | 5.509         | 0.399         | 0.1                    | 7.6             | OK     |
| 1440 min Winter  | 5.497         | 0.387         | 0.1                    | 7.3             | OK     |
| 2160 min Winter  | 5.475         | 0.365         | 0.1                    | 6.9             | OK     |
| 2880 min Winter  | 5.450         | 0.340         | 0.1                    | 6.5             | OK     |
| 4320 min Winter  | 5.398         | 0.288         | 0.1                    | 5.5             | OK     |
| 5760 min Winter  | 5.350         | 0.240         | 0.1                    | 4.6             | OK     |
| 7200 min Winter  | 5.307         | 0.197         | 0.1                    | 3.7             | OK     |
| 8640 min Winter  | 5.270         | 0.160         | 0.1                    | 3.0             | OK     |
| 10080 min Winter | 5.237         | 0.127         | 0.1                    | 2.4             | OK     |

| Storm Event      | Rain (mm/hr) | Flooded Volume (m³) | Time-Peak (mins) |
|------------------|--------------|---------------------|------------------|
| 30 min Winter    | 83.789       | 0.0                 | 33               |
| 60 min Winter    | 53.729       | 0.0                 | 62               |
| 120 min Winter   | 33.337       | 0.0                 | 122              |
| 180 min Winter   | 24.832       | 0.0                 | 180              |
| 240 min Winter   | 20.006       | 0.0                 | 238              |
| 360 min Winter   | 14.706       | 0.0                 | 354              |
| 480 min Winter   | 11.818       | 0.0                 | 470              |
| 600 min Winter   | 9.966        | 0.0                 | 584              |
| 720 min Winter   | 8.685        | 0.0                 | 694              |
| 960 min Winter   | 6.943        | 0.0                 | 912              |
| 1440 min Winter  | 5.071        | 0.0                 | 1154             |
| 2160 min Winter  | 3.696        | 0.0                 | 1604             |
| 2880 min Winter  | 2.949        | 0.0                 | 2072             |
| 4320 min Winter  | 2.142        | 0.0                 | 2940             |
| 5760 min Winter  | 1.705        | 0.0                 | 3752             |
| 7200 min Winter  | 1.427        | 0.0                 | 4544             |
| 8640 min Winter  | 1.235        | 0.0                 | 5280             |
| 10080 min Winter | 1.093        | 0.0                 | 6048             |

### East View Road

Yapton

## Part 1: Changes

Designed by RTFC

Checked by

Source Control 2016.1

|                       |                   |                       |       |
|-----------------------|-------------------|-----------------------|-------|
| Rainfall Model        | FSR               | Winter Storms         | Yes   |
| Return Period (years) | 100               | 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 %      | +40   |

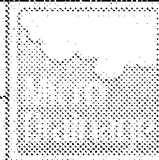
Total Area (ha) 0.011

0 4 0.011

Mill View Road  
Yapton

|             |      |
|-------------|------|
| Designed by | ATFC |
| Checked by  |      |

Source Control 2016.1



Storage is Online Cover Level (m) 6.040

|                                      |         |
|--------------------------------------|---------|
| Invert Level (m)                     | 5.110   |
| Infiltration Coefficient Base (m/hr) | 0.02098 |
| Infiltration Coefficient Side (m/hr) | 0.02098 |
| Safety Factor                        | 2.5     |
| Porosity                             | 0.95    |

| Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) | Depth (m) | Area (m <sup>2</sup> ) | Inf. Area (m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 0.000     | 20.0                   | 20.0                        | 0.500     | 0.0                    | 27.2                        |
| 0.400     | 20.0                   | 27.2                        |           |                        |                             |