

|                                                                       |                                                          |                                                                                    |                    |
|-----------------------------------------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                            | Date:<br>05/03/2024                                      |                                                                                    |                    |
|                                                                       | Designed by:<br>LP                                       | Checked by:<br>LP                                                                  | Approved By:<br>TG |
|                                                                       | Report Details:<br>Type: Junctions<br>Storm Phase: Storm |                                                                                    |                    |
| ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                                                          |  |                    |

| Name      | Junction Type | Easting (m) | Northing (m) | Cover Level (m) | Depth (m) | Invert Level (m) | Chamber Shape | Diameter (m) |
|-----------|---------------|-------------|--------------|-----------------|-----------|------------------|---------------|--------------|
| 1 (SP)    | Manhole       | 505392.071  | 103485.442   | 6.117           | 1.425     | 4.692            | Circular      | 1.200        |
| 2 (SP)    | Manhole       | 505438.833  | 103463.834   | 6.762           | 2.660     | 4.102            | Circular      | 1.200        |
| PP1 FC    | Manhole       | 505444.758  | 103478.048   | 6.810           | 1.627     | 5.183            | Circular      | 1.200        |
| 3 (SP)    | Manhole       | 505479.863  | 103445.051   | 6.589           | 2.677     | 3.912            | Circular      | 1.200        |
| 4 (SP)    | Manhole       | 505498.087  | 103442.921   | 6.651           | 2.816     | 3.835            | Circular      | 1.200        |
| AC7 FC    | Manhole       | 505497.831  | 103457.555   | 6.711           | 2.521     | 4.190            | Circular      | 1.200        |
| 10        | Manhole       | 505498.954  | 103419.313   | 7.015           | 4.362     | 2.653            | Circular      | 1.350        |
| 5 (SP)    | Manhole       | 505382.615  | 103418.589   | 5.500           | 1.736     | 3.764            | Circular      | 1.200        |
| 6 (SP)    | Manhole       | 505416.523  | 103400.924   | 5.636           | 2.101     | 3.535            | Circular      | 1.200        |
| AC3 FC    | Manhole       | 505419.488  | 103408.350   | 5.663           | 1.823     | 3.840            | Circular      | 1.200        |
| 7 (SP)    | Manhole       | 505453.356  | 103384.125   | 6.102           | 2.809     | 3.293            | Circular      | 1.200        |
| 8 (SP)    | Manhole       | 505477.382  | 103373.626   | 6.323           | 3.187     | 3.136            | Circular      | 1.200        |
| 9 (SP)    | Manhole       | 505488.168  | 103396.470   | 6.667           | 3.757     | 2.910            | Circular      | 1.200        |
| AC6 FC    | Manhole       | 505484.949  | 103397.755   | 6.590           | 1.264     | 5.326            | Circular      | 1.200        |
| 18        | Manhole       | 505517.498  | 103417.385   | 6.858           | 4.328     | 2.530            | Circular      | 1.500        |
| PP4 FC    | Manhole       | 505670.708  | 103360.221   | 6.751           | 1.571     | 5.181            | Circular      | 1.200        |
| DUMMY 1   | Manhole       | 505670.286  | 103403.269   | 7.000           | 2.315     | 4.685            | Circular      | 1.200        |
| 12        | Manhole       | 505666.123  | 103423.829   | 6.855           | 2.338     | 4.517            | Circular      | 1.200        |
| 11        | Manhole       | 505689.844  | 103421.607   | 6.547           | 1.887     | 4.660            | Circular      | 1.200        |
| 13        | Manhole       | 505656.733  | 103430.992   | 6.916           | 3.366     | 3.550            | Circular      | 1.350        |
| 14        | Manhole       | 505638.805  | 103437.856   | 6.699           | 3.211     | 3.488            | Circular      | 1.350        |
| 15        | Manhole       | 505606.285  | 103441.775   | 6.237           | 2.854     | 3.383            | Circular      | 1.350        |
| 16        | Manhole       | 505588.779  | 103431.126   | 6.428           | 3.260     | 3.168            | Circular      | 1.500        |
| DUMMY 2   | Manhole       | 505589.464  | 103462.164   | 6.900           | 1.530     | 5.370            | Circular      | 1.200        |
| DUMMY 3   | Manhole       | 505594.497  | 103440.352   | 6.271           | 1.125     | 5.146            | Circular      | 1.200        |
| PP6 FC    | Manhole       | 505592.887  | 103425.727   | 6.383           | 1.215     | 5.168            | Circular      | 1.200        |
| 17        | Manhole       | 505535.557  | 103432.843   | 6.960           | 3.930     | 3.030            | Circular      | 1.500        |
| PP7 FC    | Manhole       | 505532.139  | 103448.755   | 7.024           | 2.091     | 4.933            | Circular      | 1.200        |
| 19        | Manhole       | 505522.295  | 103411.211   | 6.717           | 4.204     | 2.513            | Circular      | 1.500        |
| AC 1 HB   | Manhole       | 505533.653  | 103386.931   | 6.384           | 4.034     | 2.350            | Circular      | 1.500        |
| SWALE FC  | Manhole       | 505577.976  | 103330.434   | 6.500           | 1.926     | 4.574            | Circular      | 1.200        |
| 27 (PRIV) | Manhole       | 505540.982  | 103341.932   | 6.400           | 2.213     | 4.187            | Circular      | 1.200        |
| PP10 FC   | Manhole       | 505548.846  | 103342.456   | 6.481           | 1.324     | 5.157            | Circular      | 1.200        |
| PP9 OG    | Manhole       | 505624.087  | 103330.947   | 6.331           | 1.311     | 5.020            | Circular      | 1.200        |
| PP10A OG  | Manhole       | 505592.432  | 103340.966   | 6.394           | 1.159     | 5.235            | Circular      | 1.200        |
| DUMMY 6   | Manhole       | 505694.928  | 103447.977   | 7.000           | 1.200     | 5.800            | Circular      | 1.200        |

|                                                                       |                                                          |                   |                    |
|-----------------------------------------------------------------------|----------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                            | Date:<br>05/03/2024                                      |                   |                    |
|                                                                       | Designed by:<br>LP                                       | Checked by:<br>LP | Approved By:<br>TG |
|                                                                       | Report Details:<br>Type: Junctions<br>Storm Phase: Storm |                   |                    |
| ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                                                          |                   |                    |



| Name      | Access<br>Required                  | Intersection<br>Easting (m) | Intersection<br>Northing (m) | Lock |
|-----------|-------------------------------------|-----------------------------|------------------------------|------|
| 1 (SP)    | <input checked="" type="checkbox"/> | 505392.071                  | 103485.442                   | None |
| 2 (SP)    | <input checked="" type="checkbox"/> | 505438.833                  | 103463.834                   | None |
| PP1 FC    | <input type="checkbox"/>            |                             |                              | None |
| 3 (SP)    | <input checked="" type="checkbox"/> | 505479.863                  | 103445.051                   | None |
| 4 (SP)    | <input checked="" type="checkbox"/> | 505498.087                  | 103442.921                   | None |
| AC7 FC    | <input checked="" type="checkbox"/> | 505497.831                  | 103457.555                   | None |
| 10        | <input checked="" type="checkbox"/> | 505498.954                  | 103419.313                   | None |
| 5 (SP)    | <input checked="" type="checkbox"/> | 505382.615                  | 103418.589                   | None |
| 6 (SP)    | <input checked="" type="checkbox"/> | 505416.523                  | 103400.924                   | None |
| AC3 FC    | <input checked="" type="checkbox"/> | 505419.488                  | 103408.350                   | None |
| 7 (SP)    | <input checked="" type="checkbox"/> | 505453.356                  | 103384.125                   | None |
| 8 (SP)    | <input checked="" type="checkbox"/> | 505477.382                  | 103373.626                   | None |
| 9 (SP)    | <input checked="" type="checkbox"/> | 505488.168                  | 103396.470                   | None |
| AC6 FC    | <input checked="" type="checkbox"/> | 505484.949                  | 103397.755                   | None |
| 18        | <input checked="" type="checkbox"/> | 505517.498                  | 103417.385                   | None |
| PP4 FC    | <input type="checkbox"/>            |                             |                              | None |
| DUMMY 1   | <input checked="" type="checkbox"/> | 505670.286                  | 103403.269                   | None |
| 12        | <input checked="" type="checkbox"/> | 505666.123                  | 103423.829                   | None |
| 11        | <input checked="" type="checkbox"/> | 505689.844                  | 103421.607                   | None |
| 13        | <input checked="" type="checkbox"/> | 505656.733                  | 103430.992                   | None |
| 14        | <input checked="" type="checkbox"/> | 505638.805                  | 103437.856                   | None |
| 15        | <input checked="" type="checkbox"/> | 505606.285                  | 103441.775                   | None |
| 16        | <input checked="" type="checkbox"/> | 505588.779                  | 103431.126                   | None |
| DUMMY 2   | <input checked="" type="checkbox"/> | 505589.464                  | 103462.164                   | None |
| DUMMY 3   | <input checked="" type="checkbox"/> | 505594.497                  | 103440.352                   | None |
| PP6 FC    | <input type="checkbox"/>            |                             |                              | None |
| 17        | <input checked="" type="checkbox"/> | 505535.557                  | 103432.843                   | None |
| PP7 FC    | <input type="checkbox"/>            |                             |                              | None |
| 19        | <input checked="" type="checkbox"/> | 505522.295                  | 103411.211                   | None |
| AC 1 HB   | <input type="checkbox"/>            |                             |                              | None |
| SWALE FC  | <input checked="" type="checkbox"/> | 505577.976                  | 103330.434                   | None |
| 27 (PRIV) | <input checked="" type="checkbox"/> | 505540.982                  | 103341.932                   | None |
| PP10 FC   | <input type="checkbox"/>            |                             |                              | None |
| PP9 OG    | <input type="checkbox"/>            |                             |                              | None |
| PP10A OG  | <input type="checkbox"/>            |                             |                              | None |
| DUMMY 6   | <input type="checkbox"/>            |                             |                              | None |

|                                                          |                                                                       |                   |                    |
|----------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                               | Date:<br>05/03/2024                                                   |                   |                    |
|                                                          | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Junctions<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |

Inlets

| Junction  | Inlet Name | Incoming Item(s)                      | Bypass Destination | Capacity Type  |
|-----------|------------|---------------------------------------|--------------------|----------------|
| 1 (SP)    | Inlet      | 1 - TOC                               | (None)             | No Restriction |
| 2 (SP)    | Inlet      | 1.000<br>2.001<br>2 - TOC             | (None)             | No Restriction |
| PP1 FC    | Inlet      | 2.000                                 | (None)             | No Restriction |
| 3 (SP)    | Inlet      | 1.001<br>3 - TOC<br>3.000             | (None)             | No Restriction |
| 4 (SP)    | Inlet      | 1.002<br>4.001<br>4 - TOC             | (None)             | No Restriction |
| AC7 FC    | Inlet (1)  | 4.000                                 | (None)             | No Restriction |
| 10        | Inlet      | 1.003<br>5.004                        | (None)             | No Restriction |
| 5 (SP)    | Inlet      | 5 - TOC                               | (None)             | No Restriction |
| 6 (SP)    | Inlet      | 5.000<br>6.001<br>6 - TOC             | (None)             | No Restriction |
| AC3 FC    | Inlet      | 6.000                                 | (None)             | No Restriction |
| 7 (SP)    | Inlet      | 5.001                                 | (None)             | No Restriction |
| 8 (SP)    | Inlet      | 5.002<br>8 - TOC                      | (None)             | No Restriction |
| 9 (SP)    | Inlet      | 5.003<br>7.001<br>8.000               | (None)             | No Restriction |
| AC6 FC    | Inlet      | 7.000                                 | (None)             | No Restriction |
| 18        | Inlet      | 1.004<br>9.008                        | (None)             | No Restriction |
| PP4 FC    | Inlet      | 9.000                                 | (None)             | No Restriction |
| DUMMY 1   | Inlet      | 9.001                                 | (None)             | No Restriction |
| 12        | Inlet      | 9.002<br>10.001<br>12 - TOC           | (None)             | No Restriction |
|           | Inlet (1)  | Pipe                                  | (None)             | No Restriction |
| 11        | Inlet      | 11 - TOC<br>10.000                    | (None)             | No Restriction |
|           | Inlet (1)  | 20.000                                | (None)             | No Restriction |
| 13        | Inlet      | 9.003<br>13 - TOC                     | (None)             | No Restriction |
| 14        | Inlet      | 9.004<br>14 - TOC                     | (None)             | No Restriction |
| 15        | Inlet      | 9.005<br>15 - TOC                     | (None)             | No Restriction |
| 16        | Inlet      | 9.006<br>11.001<br>12.001<br>16 - TOC | (None)             | No Restriction |
| DUMMY 2   | Inlet      | DUMMY 2 - TOC                         | (None)             | No Restriction |
| DUMMY 3   | Inlet      | 11.000                                | (None)             | No Restriction |
| PP6 FC    | Inlet      | 12.000                                | (None)             | No Restriction |
| 17        | Inlet      | 9.007<br>13.001                       | (None)             | No Restriction |
|           | Inlet (1)  | 17 - TOC                              | (None)             | No Restriction |
| PP7 FC    | Inlet      | 13.000                                | (None)             | No Restriction |
| 19        | Inlet      | 1.005                                 | (None)             | No Restriction |
| AC 1 HB   | Inlet      | 1.007                                 | (None)             | No Restriction |
| SWALE FC  | Inlet      | 15.001                                | (None)             | No Restriction |
| 27 (PRIV) | Inlet      | 15.002<br>16.001                      | (None)             | No Restriction |
| PP10 FC   | Inlet      | 16.000                                | (None)             | No Restriction |
| PP9 OG    | Inlet      | 18.001                                | (None)             | No Restriction |
| PP10A OG  | Inlet      | 17.000                                | (None)             | No Restriction |
| DUMMY 6   | Inlet      | 11 - TOC (1)                          | (None)             | No Restriction |

RUSTINGTON:  
GOLF COURSE

Report Details:  
Type: Junctions  
Storm Phase: Storm

Date:  
05/03/2024

Designed by:  
LP

Checked by:  
LP

Approved By:  
TG

ODYSSEY:  
TUSCANY HOUSE, WHITE HART LANE  
BASINGSTOKE  
RG21 4AF

Outlets

| Junction  | Outlet Name              | Outlet Connection                      | Outlet Type    |
|-----------|--------------------------|----------------------------------------|----------------|
| 1 (SP)    | Outlet                   | 1.000                                  | Free Discharge |
| 2 (SP)    | Outlet                   | 1.001                                  | Free Discharge |
| PP1 FC    | Outlet                   | 2.001                                  | Orifice        |
|           | Diameter (m)             | 0.100                                  |                |
|           | Coefficient of Discharge | 0.600                                  |                |
|           | Invert Level (m)         | 5.183                                  |                |
| 3 (SP)    | Outlet                   | 1.002                                  | Free Discharge |
| 4 (SP)    | Outlet                   | 1.003                                  | Free Discharge |
| AC7 FC    | Outlet                   | 4.001                                  | Orifice        |
|           | Diameter (m)             | 0.020                                  |                |
|           | Coefficient of Discharge | 0.600                                  |                |
|           | Invert Level (m)         | 4.190                                  |                |
| 10        | Outlet                   | 1.004                                  | Free Discharge |
| 5 (SP)    | Outlet                   | 5.000                                  | Free Discharge |
| 6 (SP)    | Outlet                   | 5.001                                  | Free Discharge |
| AC3 FC    | Outlet                   | 6.001                                  | Free Discharge |
| 7 (SP)    | Outlet                   | 5.002                                  | Free Discharge |
| 8 (SP)    | Outlet                   | 5.003                                  | Free Discharge |
| 9 (SP)    | Outlet                   | 5.004                                  | Free Discharge |
| AC6 FC    | Outlet                   | 7.001                                  | Free Discharge |
| 18        | Outlet                   | 1.005                                  | Free Discharge |
| PP4 FC    | Outlet                   | 9.001                                  | Orifice        |
|           | Diameter (m)             | 0.050                                  |                |
|           | Coefficient of Discharge | 0.600                                  |                |
|           | Invert Level (m)         | 5.181                                  |                |
| DUMMY 1   | Outlet                   | 9.002                                  | Free Discharge |
| 12        | Outlet                   | 9.003                                  | Free Discharge |
| 11        | Outlet                   | 10.001                                 | Free Discharge |
| 13        | Outlet                   | 9.004                                  | Free Discharge |
| 14        | Outlet                   | 9.005                                  | Free Discharge |
| 15        | Outlet                   | 9.006                                  | Free Discharge |
| 16        | Outlet                   | 9.007                                  | Free Discharge |
| DUMMY 2   | Outlet                   | 11.000                                 | Free Discharge |
| DUMMY 3   | Outlet                   | 11.001                                 | Free Discharge |
| PP6 FC    | Outlet                   | 12.001                                 | Free Discharge |
| 17        | Outlet                   | 9.008                                  | Free Discharge |
|           | Outlet                   | 13.001                                 | Orifice        |
|           | Diameter (m)             | 0.055                                  |                |
|           | Coefficient of Discharge | 0.600                                  |                |
| PP7 FC    | Invert Level (m)         | 4.933                                  |                |
|           | Outlet                   | 1.006                                  | Free Discharge |
|           | Outlet                   | 1.008                                  | Hydro-Brake®   |
|           | Invert Level (m)         | 2.350                                  |                |
| AC 1 HB   | Design Depth (m)         | 2.016                                  |                |
|           | Design Flow (L/s)        | 2.0                                    |                |
|           | Objective                | Minimise Upstream Storage Requirements |                |
|           | Application              | Surface Water Only                     |                |
|           | Sump Available           | <input checked="" type="checkbox"/>    |                |
|           | Unit Reference           | SHE-0057-2000-2016-2000                |                |
|           |                          |                                        |                |
|           |                          |                                        |                |
|           |                          |                                        |                |
|           |                          |                                        |                |
| SWALE FC  | Outlet                   | 15.002                                 | Free Discharge |
| 27 (PRIV) | Outlet                   | 15.003                                 | Free Discharge |
| PP10 FC   | Outlet                   | 16.001                                 | Free Discharge |
| PP9 OG    | Outlet                   | 18.002                                 | Free Discharge |

Created in InfoDrainage 2024.4

4/38

|                                                          |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                               | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                          | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Junctions<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

| Junction | Outlet Name | Outgoing Connection | Outlet Type    |
|----------|-------------|---------------------|----------------|
| PP10A OG | Outlet      | 17.001              | Free Discharge |
| DUMMY 6  | Outlet      | 20.000              | Free Discharge |

|                                                                    |                                                                       |                   |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                                                                                    |



PP1 (SP)

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.198  |
| Depth (m)                   | 1.000  |
| Base Level (m)              | 5.198  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 77.500 |
| Long. Slope (1:X)           | 200.00 |
| Width (m)                   | 4.000  |
| Total Volume (m³)           | 66.996 |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 2.000          |
| Outlet Type         | Free Discharge |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|



PP4

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.371  |
| Depth (m)                   | 0.766  |
| Base Level (m)              | 5.605  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 35.700 |
| Long. Slope (1:X)           | 500.00 |
| Width (m)                   | 5.070  |
| Total Volume (m³)           | 26.407 |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 9.000          |
| Outlet Type         | Free Discharge |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|

|                                                                    |                     |                                                                       |                                                                                    |                    |
|--------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024 |                                                                       |  |                    |
|                                                                    | Designed by:<br>LP  | Checked by:<br>LP                                                     |                                                                                    | Approved By:<br>TG |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm |                     | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                                                                                    |                    |



PP6

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.387  |
| Depth (m)                   | 1.007  |
| Base Level (m)              | 5.380  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 42.770 |
| Long. Slope (1:X)           | 78.00  |
| Width (m)                   | 5.979  |
| Total Volume (m³)           | 55.756 |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 12.000         |
| Outlet Type         | Free Discharge |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|



PP7

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.426  |
| Depth (m)                   | 0.851  |
| Base Level (m)              | 5.575  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 61.500 |
| Long. Slope (1:X)           | 200.00 |
| Width (m)                   | 6.000  |
| Total Volume (m³)           | 63.532 |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 13.000         |
| Outlet Type         | Free Discharge |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|

|                                                                    |                                                                       |                   |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                                                                                    |



PP10A

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.260  |
| Depth (m)                   | 1.000  |
| Base Level (m)              | 5.260  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 88.300 |
| Long. Slope (1:X)           | 200.00 |
| Width (m)                   | 2.287  |
| Total Volume (m³)           | 43.613 |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 17.000         |
| Outlet Type         | Free Discharge |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|



PP10

Type : Porous Paving

Dimensions

|                             |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.235  |
| Depth (m)                   | 1.000  |
| Base Level (m)              | 5.235  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 86.400 |
| Long. Slope (1:X)           | 500.00 |
| Width (m)                   | 4.098  |
| Total Volume (m³)           | 76.482 |

Outlets

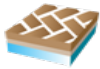
Outlet

|                          |         |
|--------------------------|---------|
| Outgoing Connection      | 16.000  |
| Outlet Type              | Orifice |
| Diameter (m)             | 0.050   |
| Coefficient of Discharge | 0.600   |
| Invert Level (m)         | 5.235   |

Advanced

|                     |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |
|---------------------|-------|

|                                                                    |                                                                       |                   |                    |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |



PP9

Type : Porous Paving

| Dimensions                  |        |
|-----------------------------|--------|
| Exceedance Level (m)        | 6.030  |
| Depth (m)                   | 1.000  |
| Base Level (m)              | 5.030  |
| Paving Layer Depth (mm)     | 280    |
| Membrane Percolation (m/hr) | 1000.0 |
| Porosity (%)                | 30     |
| Length (m)                  | 34.000 |
| Long. Slope (1:X)           | 200.00 |
| Width (m)                   | 8.469  |
| Total Volume (m³)           | 62.386 |

| Under Drain           |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

| Outlets |
|---------|
|---------|

| Outlet (3)          |                |
|---------------------|----------------|
| Outgoing Connection | 18.001         |
| Outlet Type         | Free Discharge |

| Outlet              |                |
|---------------------|----------------|
| Outgoing Connection | 18.000         |
| Outlet Type         | Free Discharge |

| Advanced            |       |
|---------------------|-------|
| Conductivity (m/hr) | 500.0 |

|                                                                    |                                                                       |                   |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                                                                                    |



Swale

Type : Swale

Swale

|                        |             |
|------------------------|-------------|
| Exceedance Level (m)   | 6.500       |
| Depth (m)              | 0.750       |
| Base Level (m)         | 5.750       |
| Top Width (m)          | 8.114       |
| Side Slope (1:X)       | 4.88        |
| Base Width (m)         | 0.800       |
| Freeboard (mm)         | 0           |
| Length (m)             | 57.978      |
| Long. Slope (1:X)      | 200.00      |
| Filtration Rate (m/hr) | 1000.0      |
| Friction Scheme        | Manning's n |
| n                      | 0.03        |
| Total Volume (m³)      | 208.047     |

Trench

|                     |       |
|---------------------|-------|
| Trench Depth (m)    | 1.000 |
| Trench Porosity (%) | 30    |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 100         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                          |         |
|--------------------------|---------|
| Outgoing Connection      | 15.001  |
| Outlet Type              | Orifice |
| Diameter (m)             | 0.075   |
| Coefficient of Discharge | 0.600   |
| Invert Level (m)         | 5.000   |

Advanced

Swale

|              |     |
|--------------|-----|
| Porosity (%) | 100 |
|--------------|-----|

Trench

|                            |       |
|----------------------------|-------|
| Trench Conductivity (m/hr) | 500.0 |
|----------------------------|-------|

|                                                                    |                                                                       |                   |                    |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |



AC4 (SP)

Type : Cellular Storage

|                       |         |
|-----------------------|---------|
| Dimensions            |         |
| Exceedance Level (m)  | 5.360   |
| Depth (m)             | 0.800   |
| Base Level (m)        | 3.850   |
| Number of Crates Long | 58      |
| Number of Crates Wide | 26      |
| Number of Crates High | 2       |
| Porosity (%)          | 95      |
| Crate Length (m)      | 0.5     |
| Crate Width (m)       | 0.5     |
| Crate Height (m)      | 0.4     |
| Total Volume (m³)     | 287.230 |

|                     |                |
|---------------------|----------------|
| Outlets             |                |
| Outlet              |                |
| Outgoing Connection | 6.000          |
| Outlet Type         | Free Discharge |



AC6 (SP)

Type : Cellular Storage

|                       |         |
|-----------------------|---------|
| Dimensions            |         |
| Exceedance Level (m)  | 6.579   |
| Depth (m)             | 1.200   |
| Base Level (m)        | 4.425   |
| Number of Crates Long | 162     |
| Number of Crates Wide | 8       |
| Number of Crates High | 3       |
| Porosity (%)          | 95      |
| Crate Length (m)      | 0.5     |
| Crate Width (m)       | 0.5     |
| Crate Height (m)      | 0.4     |
| Total Volume (m³)     | 370.314 |

|                     |                |
|---------------------|----------------|
| Outlets             |                |
| Outlet              |                |
| Outgoing Connection | 3.000          |
| Outlet Type         | Free Discharge |

|                                                                    |                                                                       |                   |                    |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |



AC7 (SP)

Type : Cellular Storage

|                       |         |
|-----------------------|---------|
| Dimensions            |         |
| Exceedance Level (m)  | 6.166   |
| Depth (m)             | 2.400   |
| Base Level (m)        | 3.500   |
| Number of Crates Long | 44      |
| Number of Crates Wide | 20      |
| Number of Crates High | 6       |
| Porosity (%)          | 95      |
| Crate Length (m)      | 0.5     |
| Crate Width (m)       | 0.5     |
| Crate Height (m)      | 0.4     |
| Total Volume (m³)     | 501.866 |

|                     |                |
|---------------------|----------------|
| Outlets             |                |
| Outlet              |                |
| Outgoing Connection | 7.000          |
| Outlet Type         | Free Discharge |



AC5 (SP)

Type : Cellular Storage

|                       |         |
|-----------------------|---------|
| Dimensions            |         |
| Exceedance Level (m)  | 6.369   |
| Depth (m)             | 2.000   |
| Base Level (m)        | 3.600   |
| Number of Crates Long | 26      |
| Number of Crates Wide | 10      |
| Number of Crates High | 5       |
| Porosity (%)          | 95      |
| Crate Length (m)      | 0.5     |
| Crate Width (m)       | 0.5     |
| Crate Height (m)      | 0.4     |
| Total Volume (m³)     | 124.269 |

|                     |                |
|---------------------|----------------|
| Outlets             |                |
| Outlet              |                |
| Outgoing Connection | 8.000          |
| Outlet Type         | Free Discharge |

|                                                                    |                                                                       |                   |                    |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

**AC2**

Type : Cellular Storage

|                       |                |
|-----------------------|----------------|
| Dimensions            |                |
| Exceedance Level (m)  | 6.500          |
| Depth (m)             | 1.500          |
| Base Level (m)        | 4.710          |
| Number of Crates Long | 19             |
| Number of Crates Wide | 10             |
| Number of Crates High | 3              |
| Porosity (%)          | 95             |
| Crate Length (m)      | 0.5            |
| Crate Width (m)       | 0.5            |
| Crate Height (m)      | 0.5            |
| Total Volume (m³)     | 67.978         |
| Outlets               |                |
| Outlet                |                |
| Outgoing Connection   | 10.000         |
| Outlet Type           | Free Discharge |

**AC1**

Type : Cellular Storage

|                       |                |
|-----------------------|----------------|
| Dimensions            |                |
| Exceedance Level (m)  | 6.413          |
| Depth (m)             | 2.400          |
| Base Level (m)        | 2.400          |
| Number of Crates Long | 100            |
| Number of Crates Wide | 12             |
| Number of Crates High | 6              |
| Porosity (%)          | 95             |
| Crate Length (m)      | 0.5            |
| Crate Width (m)       | 0.5            |
| Crate Height (m)      | 0.4            |
| Total Volume (m³)     | 685.613        |
| Outlets               |                |
| Outlet                |                |
| Outgoing Connection   | 1.007          |
| Outlet Type           | Free Discharge |

|                          |          |
|--------------------------|----------|
| OVERFLOW                 |          |
| Outgoing Connection      | OVERFLOW |
| Outlet Type              | Orifice  |
| Diameter (m)             | 0.225    |
| Coefficient of Discharge | 0.600    |
| Invert Level (m)         | 4.475    |

|                                                                    |                                                                       |                   |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                                                                                    |



**INFILTRATION CRATE**

Type : Cellular Storage

|                               |          |
|-------------------------------|----------|
| Dimensions                    |          |
| Exceedance Level (m)          | 6.477    |
| Depth (m)                     | 3.000    |
| Base Level (m)                | 2.300    |
| Number of Crates Long         | 202      |
| Number of Crates Wide         | 10       |
| Number of Crates High         | 6        |
| Porosity (%)                  | 95       |
| Crate Length (m)              | 0.5      |
| Crate Width (m)               | 0.5      |
| Crate Height (m)              | 0.5      |
| Total Volume (m³)             | 1440.427 |
| Outlets                       |          |
| Advanced                      |          |
| Side Infiltration Rate (m/hr) | 0.0425   |
| Safety Factor                 | 2.0      |



**AC8 (SP)**

Type : Cellular Storage

|                       |                |
|-----------------------|----------------|
| Dimensions            |                |
| Exceedance Level (m)  | 6.448          |
| Depth (m)             | 1.500          |
| Base Level (m)        | 4.200          |
| Number of Crates Long | 68             |
| Number of Crates Wide | 16             |
| Number of Crates High | 3              |
| Porosity (%)          | 100            |
| Crate Length (m)      | 0.5            |
| Crate Width (m)       | 0.4            |
| Crate Height (m)      | 0.5            |
| Total Volume (m³)     | 327.148        |
| Outlets               |                |
| Outlet                |                |
| Outgoing Connection   | 4.000          |
| Outlet Type           | Free Discharge |

|                                                                    |                                                                       |                   |                    |                                                                                    |
|--------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                         | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                    | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |



AC3

Type : Cellular Storage

|                       |                |
|-----------------------|----------------|
| Dimensions            |                |
| Exceedance Level (m)  | 6.701          |
| Depth (m)             | 0.800          |
| Base Level (m)        | 5.600          |
| Number of Crates Long | 17             |
| Number of Crates Wide | 3              |
| Number of Crates High | 2              |
| Porosity (%)          | 95             |
| Crate Length (m)      | 0.5            |
| Crate Width (m)       | 0.5            |
| Crate Height (m)      | 0.4            |
| Total Volume (m³)     | 9.991          |
| Outlets               |                |
| Outlet                |                |
| Outgoing Connection   | Pipe           |
| Outlet Type           | Free Discharge |

|                                                               |                                                                       |                   |                    |                                                                                    |
|---------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                    | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                               | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Inflow Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

| Inflow Label   | Connected To | Flow (L/s) | Runoff Method         | Area (ha) | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|----------------|--------------|------------|-----------------------|-----------|---------------------------|-----------------|------------------------------------|--------------------|
| 1 - TOC        | 1 (SP)       |            | Time of Concentration | 0.058     | 100                       | 0               | 100                                | 0.058              |
| 2 - TOC        | 2 (SP)       |            | Time of Concentration | 0.105     | 100                       | 0               | 100                                | 0.105              |
| 3 - TOC        | 3 (SP)       |            | Time of Concentration | 0.109     | 100                       | 0               | 100                                | 0.109              |
| 4 - TOC        | 4 (SP)       |            | Time of Concentration | 0.024     | 100                       | 0               | 100                                | 0.024              |
| 5 - TOC        | 5 (SP)       |            | Time of Concentration | 0.102     | 100                       | 0               | 100                                | 0.102              |
| 6 - TOC        | 6 (SP)       |            | Time of Concentration | 0.031     | 100                       | 0               | 100                                | 0.031              |
| 8 - TOC        | 8 (SP)       |            | Time of Concentration | 0.078     | 100                       | 0               | 100                                | 0.078              |
| 11 - TOC       | 11           |            | Time of Concentration | 0.115     | 100                       | 0               | 100                                | 0.115              |
| 11 - TOC (1)   | DUMMY 6      |            | Time of Concentration | 0.020     | 100                       | 0               | 100                                | 0.020              |
| 12 - TOC       | 12           |            | Time of Concentration | 0.187     | 100                       | 0               | 100                                | 0.187              |
| 13 - TOC       | 13           |            | Time of Concentration | 0.003     | 100                       | 0               | 100                                | 0.003              |
| 14 - TOC       | 14           |            | Time of Concentration | 0.215     | 100                       | 0               | 100                                | 0.215              |
| 15 - TOC       | 15           |            | Time of Concentration | 0.218     | 100                       | 0               | 100                                | 0.218              |
| 16 - TOC       | 16           |            | Time of Concentration | 0.099     | 100                       | 0               | 100                                | 0.099              |
| 17 - TOC       | 17           |            | Time of Concentration | 0.087     | 100                       | 0               | 100                                | 0.087              |
| DUMMY 2 - TOC  | DUMMY 2      |            | Time of Concentration | 0.115     | 100                       | 0               | 100                                | 0.115              |
| AC1 - TOC      | AC1          |            | Time of Concentration | 0.105     | 100                       | 0               | 100                                | 0.105              |
| AC3 - TOC      | AC4 (SP)     |            | Time of Concentration | 0.079     | 100                       | 0               | 100                                | 0.079              |
| AC6 - TOC      | AC7 (SP)     |            | Time of Concentration | 0.045     | 100                       | 0               | 100                                | 0.045              |
| AC7 - TOC      | AC8 (SP)     |            | Time of Concentration | 0.110     | 100                       | 0               | 100                                | 0.110              |
| Catchment Area | Swale        |            | Time of Concentration | 0.042     | 100                       | 0               | 100                                | 0.042              |
| PP1 - TOC      | PP1 (SP)     |            | Time of Concentration | 0.058     | 100                       | 0               | 100                                | 0.058              |
| PP4 - TOC      | PP4          |            | Time of Concentration | 0.048     | 100                       | 0               | 100                                | 0.048              |
| PP6 - TOC      | PP6          |            | Time of Concentration | 0.099     | 100                       | 0               | 100                                | 0.099              |
| PP7 - TOC      | PP7          |            | Time of Concentration | 0.113     | 100                       | 0               | 100                                | 0.113              |
| PP9 - TOC      | PP9          |            | Time of Concentration | 0.079     | 100                       | 0               | 100                                | 0.079              |
| PP10 - TOC     | PP10         |            | Time of Concentration | 0.086     | 100                       | 0               | 100                                | 0.086              |
| PP10A - TOC    | PP10A        |            | Time of Concentration | 0.052     | 100                       | 0               | 100                                | 0.052              |
| TOTAL          |              | 0.0        |                       | 2.482     |                           |                 |                                    | 2.482              |

|                                                 |                                                                       |                   |                    |
|-------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                      | Date:<br>05/03/2024                                                   |                   |                    |
|                                                 | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Title:<br><br>Rainfall Analysis Criteria | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |



|                                 |                          |
|---------------------------------|--------------------------|
| Runoff Type                     | Dynamic                  |
| Output Interval (mins)          | 5                        |
| Time Step                       | Shortest                 |
| Urban Creep                     | Apply Global Value       |
| Urban Creep Global Value (%)    | 0                        |
| Junction Flood Risk Margin (mm) | 300                      |
| Perform No Discharge Analysis   | <input type="checkbox"/> |

|                                                                  |                                                                       |                   |                    |
|------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                       | Date:<br>05/03/2024                                                   |                   |                    |
|                                                                  | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |



Design Criteria FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Depth

| Junction | Storm Event                                           | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------|-------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| 1 (SP)   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.117           | 4.692            | 4.766          | 0.074          | 12.9              | 0.083                     | 0.000                    | 11.5               | 5.596                       | OK         |
| 2 (SP)   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.762           | 4.102            | 4.244          | 0.142          | 34.9              | 0.160                     | 0.000                    | 32.2               | 15.734                      | OK         |
| PP1 FC   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer | 6.810           | 5.183            | 5.199          | 0.016          | 0.3               | 0.018                     | 0.000                    | 0.3                | 20.072                      | OK         |
| 3 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.589           | 3.912            | 4.162          | 0.250          | 3.3               | 0.282                     | 0.000                    | 3.3                | 131.204                     | OK         |
| 4 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.651           | 3.835            | 4.161          | 0.327          | 3.8               | 0.369                     | 0.000                    | 3.8                | 176.575                     | Surcharged |
| AC7 FC   | Design Criteria FEH: 2 years: +0 %: 960 mins: Summer  | 6.711           | 4.190            | 4.338          | 0.148          | 0.3               | 0.167                     | 0.000                    | 0.3                | 26.369                      | OK         |
| 10       | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 7.015           | 2.653            | 4.161          | 1.508          | 6.4               | 2.159                     | 0.000                    | 6.3                | 312.242                     | Surcharged |
| 5 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 5.500           | 3.764            | 4.162          | 0.398          | 1.2               | 0.450                     | 0.000                    | 1.2                | 41.261                      | Surcharged |
| 6 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 5.636           | 3.535            | 4.162          | 0.627          | 6.6               | 0.709                     | 0.000                    | 2.1                | 182.926                     | Surcharged |
| AC3 FC   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 5.663           | 3.840            | 4.162          | 0.322          | 6.6               | 0.364                     | 0.000                    | 0.7                | 145.471                     | Surcharged |
| 7 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.102           | 3.293            | 4.162          | 0.869          | 5.8               | 0.982                     | 0.000                    | 1.8                | 166.105                     | Surcharged |
| 8 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.323           | 3.136            | 4.162          | 1.026          | 5.9               | 1.160                     | 0.000                    | 2.7                | 187.896                     | Surcharged |
| 9 (SP)   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.667           | 2.910            | 4.162          | 1.252          | 6.1               | 1.415                     | 0.000                    | 2.6                | 205.324                     | Surcharged |
| AC6 FC   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.590           | 5.326            | 5.326          | 0.000          | 0.0               | 0.000                     | 0.000                    | 0.0                | 0.000                       | OK         |
| 18       | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.858           | 2.530            | 4.161          | 1.631          | 18.8              | 2.883                     | 0.000                    | 18.7               | 728.354                     | Surcharged |
| PP4 FC   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.751           | 5.181            | 5.278          | 0.097          | 1.4               | 0.110                     | 0.000                    | 1.4                | 0.927                       | OK         |
| DUMMY 1  | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 7.000           | 4.685            | 4.711          | 0.026          | 1.4               | 0.030                     | 0.000                    | 1.4                | 0.882                       | OK         |
| 12       | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.855           | 4.517            | 4.637          | 0.120          | 67.4              | 0.135                     | 0.000                    | 66.4               | 31.244                      | OK         |
| 11       | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.547           | 4.660            | 4.799          | 0.139          | 29.9              | 0.157                     | 0.000                    | 25.6               | 13.403                      | OK         |
| 13       | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.916           | 3.550            | 4.161          | 0.611          | 4.2               | 0.875                     | 0.000                    | 4.2                | 150.768                     | Surcharged |
| 14       | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.699           | 3.488            | 4.161          | 0.673          | 6.8               | 0.964                     | 0.000                    | 6.8                | 235.776                     | Surcharged |
| 15       | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.237           | 3.383            | 4.161          | 0.778          | 9.5               | 1.114                     | 0.000                    | 9.5                | 321.456                     | Surcharged |

|                                                                  |  |                                                                       |                   |                    |                                                                                    |
|------------------------------------------------------------------|--|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                       |  | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                  |  | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm |  | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

|           |                                                       |       |       |       |       |      |       |       |      |         |            |
|-----------|-------------------------------------------------------|-------|-------|-------|-------|------|-------|-------|------|---------|------------|
| 16        | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.428 | 3.168 | 4.161 | 0.993 | 12.9 | 1.755 | 0.000 | 11.7 | 441.859 | Surcharged |
| DUMMY 2   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.900 | 5.370 | 5.490 | 0.120 | 25.6 | 0.136 | 0.000 | 24.9 | 11.113  | OK         |
| DUMMY 3   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 6.271 | 5.146 | 5.201 | 0.055 | 24.9 | 0.062 | 0.000 | 24.5 | 11.109  | OK         |
| PP6 FC    | Design Criteria FEH: 2 years: +0 %: 30 mins: Summer   | 6.383 | 5.168 | 5.190 | 0.022 | 3.0  | 0.025 | 0.000 | 3.0  | 3.613   | OK         |
| 17        | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.960 | 3.030 | 4.161 | 1.131 | 14.1 | 1.999 | 0.000 | 12.9 | 513.792 | Surcharged |
| PP7 FC    | Design Criteria FEH: 2 years: +0 %: 120 mins: Summer  | 7.024 | 4.933 | 5.583 | 0.650 | 5.0  | 0.735 | 0.000 | 5.0  | 22.892  | Surcharged |
| 19        | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.717 | 2.513 | 4.161 | 1.648 | 18.7 | 2.913 | 0.000 | 18.6 | 683.531 | Surcharged |
| AC 1 HB   | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 6.384 | 2.350 | 4.160 | 1.810 | 1.8  | 3.198 | 0.000 | 1.7  | 260.471 | Surcharged |
| SWALE FC  | Design Criteria FEH: 2 years: +0 %: 120 mins: Summer  | 6.500 | 4.574 | 4.619 | 0.045 | 3.4  | 0.051 | 0.000 | 3.4  | 24.782  | OK         |
| 27 (PRIV) | Design Criteria FEH: 2 years: +0 %: 60 mins: Summer   | 6.400 | 4.187 | 4.230 | 0.043 | 4.3  | 0.049 | 0.000 | 4.3  | 15.560  | OK         |
| PP10 FC   | Design Criteria FEH: 2 years: +0 %: 60 mins: Summer   | 6.481 | 5.157 | 5.170 | 0.013 | 1.0  | 0.015 | 0.000 | 1.0  | 2.744   | OK         |
| PP9 OG    | Design Criteria FEH: 2 years: +0 %: 180 mins: Summer  | 6.331 | 5.020 | 5.261 | 0.241 | 0.6  | 0.273 | 0.000 | 0.6  | 6.613   | Surcharged |
| PP10A OG  | Design Criteria FEH: 2 years: +0 %: 30 mins: Summer   | 6.394 | 5.235 | 5.270 | 0.035 | 1.4  | 0.039 | 0.000 | 1.4  | 1.319   | OK         |
| DUMMY 6   | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 7.000 | 5.800 | 5.833 | 0.033 | 4.4  | 0.037 | 0.000 | 4.3  | 1.931   | OK         |

RUSTINGTON:  
GOLF COURSE

Report Details:  
Type: Junctions Summary  
Storm Phase: Storm

Date:  
05/03/2024

Designed by:  
LP

Checked by:  
LP

Approved By:  
TG

ODYSSEY:  
TUSCANY HOUSE, WHITE HART LANE  
BASINGSTOKE  
RG21 4AF



Design Criteria FEH: 10 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Depth

| Junction | Storm Event                                             | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------|---------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| 1 (SP)   | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.117           | 4.692            | 4.812          | 0.120          | 30.5              | 0.136                     | 0.000                    | 29.3               | 13.063                      | OK         |
| 2 (SP)   | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 6.762           | 4.102            | 4.638          | 0.536          | 11.8              | 0.606                     | 0.000                    | 11.8               | 126.680                     | Surcharged |
| PP1 FC   | Design Criteria FEH: 10 years: +40 %: 960 mins: Summer  | 6.810           | 5.183            | 5.212          | 0.029          | 0.7               | 0.032                     | 0.000                    | 0.7                | 31.957                      | OK         |
| 3 (SP)   | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 6.589           | 3.912            | 4.637          | 0.725          | 19.8              | 0.820                     | 0.000                    | 18.1               | 241.381                     | Surcharged |
| 4 (SP)   | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 6.651           | 3.835            | 4.637          | 0.802          | 20.1              | 0.907                     | 0.000                    | 18.6               | 225.949                     | Surcharged |
| AC7 FC   | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 6.711           | 4.190            | 4.587          | 0.397          | 0.4               | 0.449                     | 0.000                    | 0.3                | 32.724                      | Surcharged |
| 10       | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 7.015           | 2.653            | 4.638          | 1.985          | 24.1              | 2.840                     | 0.000                    | 22.6               | 415.361                     | Surcharged |
| 5 (SP)   | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 5.500           | 3.764            | 4.624          | 0.860          | 53.6              | 0.973                     | 0.000                    | 45.2               | 23.148                      | Surcharged |
| 6 (SP)   | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 5.636           | 3.535            | 4.608          | 1.073          | 16.8              | 1.214                     | 0.000                    | 3.1                | 354.941                     | Surcharged |
| AC3 FC   | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 5.663           | 3.840            | 4.608          | 0.768          | 16.7              | 0.869                     | 0.000                    | 1.9                | 300.970                     | Surcharged |
| 7 (SP)   | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 6.102           | 3.293            | 4.607          | 1.314          | 14.1              | 1.487                     | 0.000                    | 3.0                | 304.179                     | Surcharged |
| 8 (SP)   | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 6.323           | 3.136            | 4.607          | 1.471          | 14.1              | 1.664                     | 0.000                    | 4.5                | 336.647                     | Surcharged |
| 9 (SP)   | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 6.667           | 2.910            | 4.632          | 1.722          | 23.8              | 1.947                     | 0.000                    | 9.2                | 289.770                     | Surcharged |
| AC6 FC   | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.590           | 5.326            | 5.326          | 0.000          | 0.0               | 0.000                     | 0.000                    | 0.0                | 0.000                       | OK         |
| 18       | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 6.858           | 2.530            | 4.639          | 2.109          | 83.6              | 3.726                     | 0.000                    | 83.0               | 1047.865                    | Surcharged |
| PP4 FC   | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.751           | 5.181            | 5.615          | 0.435          | 4.2               | 0.492                     | 0.000                    | 3.3                | 2.497                       | Surcharged |
| DUMMY 1  | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 7.000           | 4.685            | 5.297          | 0.612          | 7.0               | 0.692                     | 0.000                    | 15.3               | 4.563                       | Surcharged |
| 12       | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.855           | 4.517            | 5.321          | 0.804          | 99.0              | 0.909                     | 0.000                    | 97.0               | 77.779                      | Surcharged |
| 11       | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.547           | 4.660            | 5.308          | 0.648          | 70.8              | 0.733                     | 0.000                    | 48.2               | 47.870                      | Surcharged |
| 13       | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.916           | 3.550            | 4.943          | 1.393          | 97.4              | 1.994                     | 0.000                    | 103.0              | 74.276                      | Surcharged |
| 14       | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.699           | 3.488            | 4.921          | 1.433          | 183.1             | 2.051                     | 0.000                    | 166.0              | 122.529                     | Surcharged |
| 15       | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 6.237           | 3.383            | 4.667          | 1.284          | 280.6             | 1.838                     | 0.000                    | 261.3              | 168.847                     | Surcharged |

|                                                                       |                                                                  |                   |                    |
|-----------------------------------------------------------------------|------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                            | Date:<br>05/03/2024                                              |                   |                    |
|                                                                       | Designed by:<br>LP                                               | Checked by:<br>LP | Approved By:<br>TG |
|                                                                       | Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm |                   |                    |
| ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                                                                  |                   |                    |

|           |                                                           |       |       |       |       |      |       |       |      |         |            |
|-----------|-----------------------------------------------------------|-------|-------|-------|-------|------|-------|-------|------|---------|------------|
| 16        | Design Criteria FEH:<br>10 years: +40 %: 600 mins: Summer | 6.428 | 3.168 | 4.644 | 1.476 | 73.3 | 2.608 | 0.000 | 72.7 | 719.290 | Surcharged |
| DUMMY 2   | Design Criteria FEH:<br>10 years: +40 %: 15 mins: Summer  | 6.900 | 5.370 | 5.620 | 0.250 | 60.4 | 0.282 | 0.000 | 56.3 | 26.236  | Surcharged |
| DUMMY 3   | Design Criteria FEH:<br>10 years: +40 %: 15 mins: Summer  | 6.271 | 5.146 | 5.224 | 0.078 | 56.3 | 0.088 | 0.000 | 55.5 | 26.171  | OK         |
| PP6 FC    | Design Criteria FEH:<br>10 years: +40 %: 15 mins: Summer  | 6.383 | 5.168 | 5.200 | 0.032 | 7.0  | 0.036 | 0.000 | 7.0  | 5.585   | OK         |
| 17        | Design Criteria FEH:<br>10 years: +40 %: 600 mins: Summer | 6.960 | 3.030 | 4.641 | 1.611 | 84.0 | 2.847 | 0.000 | 83.4 | 840.900 | Surcharged |
| PP7 FC    | Design Criteria FEH:<br>10 years: +40 %: 120 mins: Summer | 7.024 | 4.933 | 5.738 | 0.805 | 5.6  | 0.911 | 0.000 | 5.5  | 50.874  | Surcharged |
| 19        | Design Criteria FEH:<br>10 years: +40 %: 600 mins: Summer | 6.717 | 2.513 | 4.638 | 2.125 | 83.0 | 3.756 | 0.000 | 82.4 | 911.731 | Surcharged |
| AC 1 HB   | Design Criteria FEH:<br>10 years: +40 %: 600 mins: Summer | 6.384 | 2.350 | 4.636 | 2.286 | 2.4  | 4.039 | 0.000 | 2.1  | 114.486 | Surcharged |
| SWALE FC  | Design Criteria FEH:<br>10 years: +40 %: 60 mins: Summer  | 6.500 | 4.574 | 4.632 | 0.058 | 5.4  | 0.066 | 0.000 | 5.5  | 22.187  | OK         |
| 27 (PRIV) | Design Criteria FEH:<br>10 years: +40 %: 15 mins: Summer  | 6.400 | 4.187 | 4.243 | 0.056 | 6.7  | 0.063 | 0.000 | 6.8  | 6.709   | OK         |
| PP10 FC   | Design Criteria FEH:<br>10 years: +40 %: 60 mins: Summer  | 6.481 | 5.157 | 5.175 | 0.018 | 1.9  | 0.020 | 0.000 | 1.9  | 7.272   | OK         |
| PP9 OG    | Design Criteria FEH:<br>10 years: +40 %: 180 mins: Summer | 6.331 | 5.020 | 5.465 | 0.445 | 0.7  | 0.503 | 0.000 | 0.8  | 10.960  | Surcharged |
| PP10A OG  | Design Criteria FEH:<br>10 years: +40 %: 180 mins: Summer | 6.394 | 5.235 | 5.467 | 0.232 | 1.3  | 0.262 | 0.000 | 1.0  | 10.695  | Surcharged |
| DUMMY 6   | Design Criteria FEH:<br>10 years: +40 %: 15 mins: Summer  | 7.000 | 5.800 | 5.854 | 0.054 | 10.5 | 0.061 | 0.000 | 10.3 | 4.544   | OK         |

RUSTINGTON:  
GOLF COURSE

Report Details:

Type: Junctions Summary

Storm Phase: Storm

Date:  
05/03/2024

Designed by:  
LP

Checked by:  
LP

Approved By:  
TG

ODYSSEY:  
TUSCANY HOUSE, WHITE HART LANE  
BASINGSTOKE  
RG21 4AF

Design Criteria FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

| Junction | Storm Event                                              | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------|----------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| 1 (SP)   | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.117           | 4.692            | 6.117          | 1.425          | 52.1              | 1.679                     | 0.067                    | 35.5               | 22.256                      | Flood      |
| 2 (SP)   | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.762           | 4.102            | 5.906          | 1.804          | 129.9             | 2.041                     | 0.000                    | 89.5               | 66.772                      | Surcharged |
| PP1 FC   | Design Criteria FEH: 100 years: +45 %: 240 mins: Summer  | 6.810           | 5.183            | 5.468          | 0.285          | 6.9               | 0.323                     | 0.000                    | 5.2                | 28.100                      | OK         |
| 3 (SP)   | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.589           | 3.912            | 5.593          | 1.681          | 187.4             | 1.901                     | 0.000                    | 171.1              | 102.699                     | Surcharged |
| 4 (SP)   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.651           | 3.835            | 5.491          | 1.656          | 74.0              | 1.873                     | 0.000                    | 71.3               | 251.123                     | Surcharged |
| AC7 FC   | Design Criteria FEH: 100 years: +45 %: 1440 mins: Winter | 6.711           | 4.190            | 4.885          | 0.695          | 0.4               | 0.786                     | 0.000                    | 0.3                | 34.178                      | Surcharged |
| 10       | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 7.015           | 2.653            | 5.492          | 2.839          | 83.3              | 4.063                     | 0.000                    | 57.4               | 363.636                     | Surcharged |
| 5 (SP)   | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 5.500           | 3.764            | 5.504          | 1.740          | 91.6              | 6.339                     | 4.375                    | 62.1               | 38.681                      | Flood      |
| 6 (SP)   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 5.636           | 3.535            | 5.278          | 1.743          | 41.6              | 1.971                     | 0.000                    | 17.3               | 258.010                     | Surcharged |
| AC3 FC   | Design Criteria FEH: 100 years: +45 %: 1440 mins: Summer | 5.663           | 3.840            | 4.990          | 1.150          | 22.5              | 1.300                     | 0.000                    | 3.9                | 268.818                     | Surcharged |
| 7 (SP)   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.102           | 3.293            | 5.377          | 2.084          | 27.9              | 2.356                     | 0.000                    | 16.3               | 187.460                     | Surcharged |
| 8 (SP)   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.323           | 3.136            | 5.447          | 2.311          | 30.3              | 2.613                     | 0.000                    | 28.6               | 225.654                     | Surcharged |
| 9 (SP)   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.667           | 2.910            | 5.482          | 2.572          | 82.9              | 2.909                     | 0.000                    | 22.0               | 289.496                     | Surcharged |
| AC6 FC   | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.590           | 5.326            | 5.369          | 0.043          | 6.6               | 0.049                     | 0.000                    | 0.0                | 5.541                       | OK         |
| 18       | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 6.858           | 2.530            | 5.498          | 2.968          | 282.0             | 5.244                     | 0.000                    | 280.1              | 1228.128                    | Surcharged |
| PP4 FC   | Design Criteria FEH: 100 years: +45 %: 30 mins: Summer   | 6.751           | 5.181            | 6.003          | 0.822          | 5.6               | 0.930                     | 0.000                    | 4.2                | 9.255                       | Surcharged |
| DUMMY 1  | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 7.000           | 4.685            | 6.432          | 1.747          | 23.2              | 1.976                     | 0.000                    | 13.2               | 10.477                      | Surcharged |
| 12       | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.855           | 4.517            | 6.483          | 1.966          | 168.1             | 2.224                     | 0.000                    | 105.6              | 149.211                     | Surcharged |
| 11       | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.547           | 4.660            | 6.291          | 1.631          | 156.9             | 1.845                     | 0.000                    | 73.5               | 113.343                     | Flood Risk |
| 13       | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.916           | 3.550            | 6.488          | 2.938          | 106.2             | 4.204                     | 0.000                    | 120.1              | 115.235                     | Surcharged |
| 14       | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.699           | 3.488            | 6.494          | 3.006          | 193.2             | 4.301                     | 0.000                    | 178.7              | 194.940                     | Flood Risk |
| 15       | Design Criteria FEH: 100 years: +45 %: 15 mins: Summer   | 6.237           | 3.383            | 6.237          | 2.854          | 363.1             | 4.094                     | 0.010                    | 347.9              | 273.758                     | Flood      |

Created in InfoDrainage 2024.4

22/38

|                                                                  |                                                                       |                   |                    |                                                                                    |
|------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                       | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                  | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

|           |                                                             |       |       |       |       |       |       |       |       |          |            |
|-----------|-------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|----------|------------|
| 16        | Design Criteria FEH:<br>100 years: +45 %: 180 mins: Summer  | 6.428 | 3.168 | 5.563 | 2.395 | 230.5 | 4.232 | 0.000 | 228.5 | 891.371  | Surcharged |
| DUMMY 2   | Design Criteria FEH:<br>100 years: +45 %: 15 mins: Summer   | 6.900 | 5.370 | 6.563 | 1.193 | 103.3 | 1.349 | 0.000 | 90.3  | 44.756   | Surcharged |
| DUMMY 3   | Design Criteria FEH:<br>100 years: +45 %: 15 mins: Summer   | 6.271 | 5.146 | 5.808 | 0.662 | 90.3  | 0.749 | 0.000 | 80.5  | 44.797   | Surcharged |
| PP6 FC    | Design Criteria FEH:<br>100 years: +45 %: 180 mins: Summer  | 6.383 | 5.168 | 5.601 | 0.434 | 8.9   | 0.490 | 0.000 | 9.2   | 68.990   | Surcharged |
| 17        | Design Criteria FEH:<br>100 years: +45 %: 180 mins: Summer  | 6.960 | 3.030 | 5.524 | 2.494 | 258.6 | 4.408 | 0.000 | 256.5 | 1046.383 | Surcharged |
| PP7 FC    | Design Criteria FEH:<br>100 years: +45 %: 120 mins: Winter  | 7.024 | 4.933 | 6.066 | 1.133 | 6.3   | 1.281 | 0.000 | 6.3   | 70.816   | Surcharged |
| 19        | Design Criteria FEH:<br>100 years: +45 %: 180 mins: Summer  | 6.717 | 2.513 | 5.491 | 2.978 | 280.1 | 5.263 | 0.000 | 278.2 | 1124.995 | Surcharged |
| AC 1 HB   | Design Criteria FEH:<br>100 years: +45 %: 180 mins: Summer  | 6.384 | 2.350 | 5.476 | 3.126 | 3.9   | 5.524 | 0.000 | 2.2   | 33.522   | Surcharged |
| SWALE FC  | Design Criteria FEH:<br>100 years: +45 %: 1440 mins: Summer | 6.500 | 4.574 | 4.995 | 0.421 | 4.2   | 0.477 | 0.000 | 4.2   | 206.236  | Surcharged |
| 27 (PRIV) | Design Criteria FEH:<br>100 years: +45 %: 1440 mins: Summer | 6.400 | 4.187 | 4.993 | 0.806 | 5.8   | 0.912 | 0.000 | 5.8   | 294.886  | Surcharged |
| PP10 FC   | Design Criteria FEH:<br>100 years: +45 %: 60 mins: Summer   | 6.481 | 5.157 | 5.179 | 0.022 | 2.8   | 0.024 | 0.000 | 2.8   | 12.891   | OK         |
| PP9 OG    | Design Criteria FEH:<br>100 years: +45 %: 120 mins: Winter  | 6.331 | 5.020 | 5.744 | 0.724 | 1.0   | 0.819 | 0.000 | 1.0   | 9.232    | Surcharged |
| PP10A OG  | Design Criteria FEH:<br>100 years: +45 %: 120 mins: Winter  | 6.394 | 5.235 | 5.748 | 0.513 | 1.4   | 0.580 | 0.000 | 1.3   | 11.056   | Surcharged |
| DUMMY 6   | Design Criteria FEH:<br>100 years: +45 %: 15 mins: Summer   | 7.000 | 5.800 | 6.346 | 0.546 | 18.0  | 0.617 | 0.000 | 9.5   | 7.768    | Surcharged |

|                                                                  |                                                                       |                   |                    |
|------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                       | Date:<br>05/03/2024                                                   |                   |                    |
|                                                                  | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |



Design Criteria FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Depth

| Junction | Storm Event                                             | Cover Level (m) | Invert Level (m) | Max. Level (m) | Max. Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Status     |
|----------|---------------------------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| 1 (SP)   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.117           | 4.692            | 5.387          | 0.695          | 41.2              | 0.786                     | 0.000                    | 24.4               | 17.690                      | Surcharged |
| 2 (SP)   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.762           | 4.102            | 5.253          | 1.151          | 99.0              | 1.302                     | 0.000                    | 82.1               | 51.278                      | Surcharged |
| PP1 FC   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.810           | 5.183            | 5.224          | 0.041          | 1.0               | 0.046                     | 0.000                    | 1.1                | 1.373                       | OK         |
| 3 (SP)   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.589           | 3.912            | 4.975          | 1.063          | 159.6             | 1.202                     | 0.000                    | 140.4              | 83.536                      | Surcharged |
| 4 (SP)   | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 6.651           | 3.835            | 4.916          | 1.081          | 47.9              | 1.222                     | 0.000                    | 46.3               | 222.120                     | Surcharged |
| AC7 FC   | Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter | 6.711           | 4.190            | 4.680          | 0.490          | 0.4               | 0.554                     | 0.000                    | 0.3                | 39.148                      | Surcharged |
| 10       | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 7.015           | 2.653            | 4.916          | 2.263          | 48.9              | 3.239                     | 0.000                    | 47.9               | 343.618                     | Surcharged |
| 5 (SP)   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 5.500           | 3.764            | 5.456          | 1.692          | 72.5              | 1.913                     | 0.000                    | 59.3               | 30.819                      | Flood Risk |
| 6 (SP)   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 5.636           | 3.535            | 4.956          | 1.421          | 81.4              | 1.607                     | 0.000                    | 36.7               | 41.871                      | Surcharged |
| AC3 FC   | Design Criteria FEH: 30 years: +45 %: 960 mins: Winter  | 5.663           | 3.840            | 4.724          | 0.884          | 21.9              | 0.999                     | 0.000                    | 3.7                | 313.033                     | Surcharged |
| 7 (SP)   | Design Criteria FEH: 30 years: +45 %: 360 mins: Summer  | 6.102           | 3.293            | 4.834          | 1.541          | 21.5              | 1.743                     | 0.000                    | 10.9               | 223.802                     | Surcharged |
| 8 (SP)   | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 6.323           | 3.136            | 4.881          | 1.745          | 24.4              | 1.974                     | 0.000                    | 23.7               | 225.991                     | Surcharged |
| 9 (SP)   | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 6.667           | 2.910            | 4.912          | 2.002          | 51.8              | 2.264                     | 0.000                    | 18.7               | 260.952                     | Surcharged |
| AC6 FC   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.590           | 5.326            | 5.326          | 0.000          | 0.0               | 0.000                     | 0.000                    | 0.0                | 0.000                       | OK         |
| 18       | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 6.858           | 2.530            | 4.917          | 2.387          | 202.4             | 4.218                     | 0.000                    | 200.9              | 1043.906                    | Surcharged |
| PP4 FC   | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.751           | 5.181            | 5.780          | 0.600          | 3.5               | 0.678                     | 0.000                    | 3.6                | 3.919                       | Surcharged |
| DUMMY 1  | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 7.000           | 4.685            | 5.933          | 1.248          | 13.4              | 1.411                     | 0.000                    | 14.9               | 7.619                       | Surcharged |
| 12       | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.855           | 4.517            | 5.944          | 1.427          | 132.9             | 1.614                     | 0.000                    | 97.4               | 115.746                     | Surcharged |
| 11       | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.547           | 4.660            | 5.810          | 1.150          | 126.7             | 1.300                     | 0.000                    | 55.8               | 83.910                      | Surcharged |
| 13       | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.916           | 3.550            | 5.886          | 2.336          | 97.9              | 3.343                     | 0.000                    | 107.8              | 97.171                      | Surcharged |
| 14       | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.699           | 3.488            | 5.893          | 2.405          | 183.0             | 3.442                     | 0.000                    | 170.9              | 159.970                     | Surcharged |
| 15       | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 6.237           | 3.383            | 5.636          | 2.253          | 325.8             | 3.223                     | 0.000                    | 312.5              | 221.875                     | Surcharged |

|                                                                  |                                                                       |                   |                    |                                                                                    |
|------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                       | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                  | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

|           |                                                            |       |       |       |       |       |       |       |       |         |            |
|-----------|------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|---------|------------|
| 16        | Design Criteria FEH:<br>30 years: +45 %: 15 mins: Summer   | 6.428 | 3.168 | 4.998 | 1.830 | 464.4 | 3.234 | 0.000 | 449.1 | 287.357 | Surcharged |
| DUMMY 2   | Design Criteria FEH:<br>30 years: +45 %: 15 mins: Summer   | 6.900 | 5.370 | 6.007 | 0.637 | 81.7  | 0.720 | 0.000 | 74.7  | 35.489  | Surcharged |
| DUMMY 3   | Design Criteria FEH:<br>30 years: +45 %: 15 mins: Summer   | 6.271 | 5.146 | 5.238 | 0.092 | 74.7  | 0.104 | 0.000 | 74.1  | 35.410  | OK         |
| PP6 FC    | Design Criteria FEH:<br>30 years: +45 %: 60 mins: Summer   | 6.383 | 5.168 | 5.203 | 0.036 | 8.5   | 0.040 | 0.000 | 8.5   | 26.808  | OK         |
| 17        | Design Criteria FEH:<br>30 years: +45 %: 240 mins: Summer  | 6.960 | 3.030 | 4.925 | 1.895 | 196.9 | 3.349 | 0.000 | 195.2 | 889.602 | Surcharged |
| PP7 FC    | Design Criteria FEH:<br>30 years: +45 %: 60 mins: Winter   | 7.024 | 4.933 | 5.852 | 0.919 | 5.9   | 1.040 | 0.000 | 5.9   | 34.829  | Surcharged |
| 19        | Design Criteria FEH:<br>30 years: +45 %: 240 mins: Summer  | 6.717 | 2.513 | 4.915 | 2.402 | 200.9 | 4.244 | 0.000 | 199.6 | 940.601 | Surcharged |
| AC 1 HB   | Design Criteria FEH:<br>30 years: +45 %: 240 mins: Summer  | 6.384 | 2.350 | 4.907 | 2.557 | 3.3   | 4.518 | 0.000 | 2.2   | 46.341  | Surcharged |
| SWALE FC  | Design Criteria FEH:<br>30 years: +45 %: 60 mins: Summer   | 6.500 | 4.574 | 4.638 | 0.065 | 6.5   | 0.073 | 0.000 | 6.5   | 26.953  | OK         |
| 27 (PRIV) | Design Criteria FEH:<br>30 years: +45 %: 1440 mins: Winter | 6.400 | 4.187 | 4.565 | 0.379 | 4.3   | 0.428 | 0.000 | 4.3   | 237.176 | Surcharged |
| PP10 FC   | Design Criteria FEH:<br>30 years: +45 %: 60 mins: Summer   | 6.481 | 5.157 | 5.177 | 0.020 | 2.3   | 0.022 | 0.000 | 2.3   | 10.179  | OK         |
| PP9 OG    | Design Criteria FEH:<br>30 years: +45 %: 120 mins: Winter  | 6.331 | 5.020 | 5.600 | 0.580 | 0.9   | 0.656 | 0.000 | 0.9   | 8.195   | Surcharged |
| PP10A OG  | Design Criteria FEH:<br>30 years: +45 %: 120 mins: Winter  | 6.394 | 5.235 | 5.604 | 0.369 | 1.5   | 0.417 | 0.000 | 1.2   | 9.514   | Surcharged |
| DUMMY 6   | Design Criteria FEH:<br>30 years: +45 %: 15 mins: Summer   | 7.000 | 5.800 | 5.891 | 0.091 | 14.2  | 0.102 | 0.000 | 10.4  | 6.135   | OK         |

|                                                                            |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |



**Design Criteria FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By:**  
**Max. Avg. Depth**

|                                                                            |                                                                       |                   |                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |

| Stormwater Control | Storm Event                                           | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|--------------------|-------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| PP1 (SP)           | Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer | 5.993             | 5.217             | 0.407             | 0.019             | 1.1               | 19.794                    | 0.000                    | 0.000                  | 0.3                | 20.081                      | 1234                        | 70.455                   |
| PP4                | Design Criteria FEH: 2 years: +0 %: 600 mins: Summer  | 5.882             | 5.622             | 0.206             | 0.017             | 1.8               | 8.537                     | 0.000                    | 0.000                  | 0.6                | 13.092                      | 160                         | 67.673                   |
| PP6                | Design Criteria FEH: 2 years: +0 %: 360 mins: Summer  | 6.101             | 5.418             | 0.172             | 0.038             | 5.2               | 14.702                    | 0.000                    | 0.000                  | 1.8                | 27.505                      | 88                          | 73.632                   |
| PP7                | Design Criteria FEH: 2 years: +0 %: 120 mins: Summer  | 5.936             | 5.650             | 0.054             | 0.075             | 11.2              | 10.217                    | 0.000                    | 0.000                  | 5.0                | 22.906                      | 21                          | 83.918                   |
| PP10A              | Design Criteria FEH: 2 years: +0 %: 960 mins: Summer  | 5.890             | 5.278             | 0.189             | 0.018             | 1.3               | 11.334                    | 0.000                    | 0.000                  | 0.4                | 15.179                      | 320                         | 74.011                   |
| Swale              | Design Criteria FEH: 2 years: +0 %: 120 mins: Summer  | 5.258             | 5.119             | 0.219             | 0.369             | 5.2               | 4.188                     | 0.000                    | 0.000                  | 3.4                | 25.270                      | 22                          | 97.987                   |
| PP10               | Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer | 5.643             | 5.272             | 0.236             | 0.037             | 1.6               | 20.924                    | 0.000                    | 0.000                  | 0.4                | 25.756                      | 510                         | 72.641                   |
| PP9                | Design Criteria FEH: 2 years: +0 %: 180 mins: Summer  | 5.271             | 5.262             | 0.071             | 0.232             | 6.3               | 13.155                    | 0.000                    | 0.000                  | 1.9                | 18.329                      | 113                         | 78.913                   |
| AC4 (SP)           | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 4.162             | 4.162             | 0.312             | 0.312             | 7.1               | 111.607                   | 0.000                    | 0.000                  | 0.7                | 55.221                      |                             | 61.144                   |
| AC6 (SP)           | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 4.425             | 4.425             | 0.000             | 0.000             | 0.0               | 0.000                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 100.000                  |
| AC7 (SP)           | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 3.576             | 3.576             | 0.076             | 0.076             | 0.5               | 15.929                    | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 96.826                   |
| AC5 (SP)           | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 4.162             | 4.162             | 0.562             | 0.562             | 5.2               | 34.673                    | 0.000                    | 0.000                  | 0.1                | 8.424                       |                             | 72.098                   |
| AC2                | Design Criteria FEH: 2 years: +0 %: 30 mins: Winter   | 4.737             | 4.737             | 0.027             | 0.027             | 2.4               | 1.198                     | 0.000                    | 0.000                  | 0.9                | 0.767                       |                             | 98.238                   |
| AC1                | Design Criteria FEH: 2 years: +0 %: 1440 mins: Winter | 4.161             | 4.161             | 1.761             | 1.761             | 19.8              | 502.025                   | 0.000                    | 0.000                  | 1.8                | 263.601                     | 2611                        | 26.777                   |
| INFILTRATION CRATE | Design Criteria FEH: 2 years: +0 %: 1440 mins: Summer | 2.889             | 2.889             | 0.589             | 0.589             | 4.0               | 282.850                   | 0.000                    | 70.526                 | 0.0                | 0.000                       | 4274                        | 80.363                   |
| AC8 (SP)           | Design Criteria FEH: 2 years: +0 %: 960 mins: Summer  | 4.338             | 4.338             | 0.138             | 0.138             | 2.8               | 30.022                    | 0.000                    | 0.000                  | 0.3                | 26.527                      | 947                         | 90.823                   |
| AC3                | Design Criteria FEH: 2 years: +0 %: 15 mins: Summer   | 5.600             | 5.600             | 0.000             | 0.000             | 0.0               | 0.000                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 100.000                  |

|                                                                            |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

| Status |
|--------|
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |

|                                   |                     |                    |  |                                                                                    |
|-----------------------------------|---------------------|--------------------|--|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE        | Date:<br>05/03/2024 |                    |  |  |
|                                   | Designed by:<br>LP  |                    |  |                                                                                    |
| Checked by:<br>LP                 |                     | Approved By:<br>TG |  |                                                                                    |
| Report Details:                   |                     |                    |  |                                                                                    |
| Type: Stormwater Controls Summary |                     |                    |  |                                                                                    |
| Storm Phase: Storm                |                     |                    |  |                                                                                    |
| ODYSSEY:                          |                     |                    |  |                                                                                    |
| TUSCANY HOUSE, WHITE HART LANE    |                     |                    |  |                                                                                    |
| BASINGSTOKE                       |                     |                    |  |                                                                                    |
| RG21 4AF                          |                     |                    |  |                                                                                    |



**Design Criteria FEH: 10 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By:**  
**Max. Avg. Depth**

RUSTINGTON:  
GOLF COURSE

Report Details:  
Type: Stormwater Controls Summary  
Storm Phase: Storm

Date:  
05/03/2024

Designed by:  
LP

Checked by:  
LP

Approved By:  
TG

ODYSSEY:  
TUSCANY HOUSE, WHITE HART LANE  
BASINGSTOKE  
RG21 4AF

| Stormwater Control | Storm Event                                             | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|--------------------|---------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| PP1 (SP)           | Design Criteria FEH: 10 years: +40 %: 120 mins: Summer  | 6.623             | 5.214             | 1.037             | 0.016             | 12.7              | 26.686                    | 2.284                    | 0.000                  | 0.2                | 0.269                       | 3122                        | 60.168                   |
| PP4                | Design Criteria FEH: 10 years: +40 %: 360 mins: Summer  | 6.063             | 5.634             | 0.386             | 0.029             | 5.1               | 15.438                    | 0.000                    | 0.000                  | 1.7                | 22.866                      | 102                         | 41.536                   |
| PP6                | Design Criteria FEH: 10 years: +40 %: 180 mins: Summer  | 6.335             | 5.450             | 0.406             | 0.070             | 17.0              | 28.558                    | 0.000                    | 0.000                  | 5.1                | 40.240                      | 57                          | 48.781                   |
| PP7                | Design Criteria FEH: 10 years: +40 %: 60 mins: Summer   | 6.086             | 5.822             | 0.203             | 0.247             | 34.2              | 28.949                    | 0.000                    | 0.000                  | 5.5                | 32.561                      | 51                          | 54.434                   |
| PP10A              | Design Criteria FEH: 10 years: +40 %: 360 mins: Summer  | 6.093             | 5.443             | 0.391             | 0.183             | 5.5               | 22.142                    | 0.000                    | 0.000                  | 1.0                | 17.353                      | 223                         | 49.231                   |
| Swale              | Design Criteria FEH: 10 years: +40 %: 120 mins: Summer  | 5.460             | 5.243             | 0.420             | 0.493             | 10.2              | 6.465                     | 0.000                    | 0.000                  | 5.2                | 45.140                      | 14                          | 96.893                   |
| PP10               | Design Criteria FEH: 10 years: +40 %: 1440 mins: Summer | 5.858             | 5.298             | 0.450             | 0.063             | 3.1               | 37.324                    | 0.000                    | 0.000                  | 0.9                | 54.688                      | 414                         | 51.199                   |
| PP9                | Design Criteria FEH: 10 years: +40 %: 180 mins: Summer  | 5.482             | 5.466             | 0.282             | 0.436             | 14.3              | 31.178                    | 0.000                    | 0.000                  | 2.4                | 33.241                      | 360                         | 50.024                   |
| AC4 (SP)           | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 4.608             | 4.608             | 0.758             | 0.758             | 18.4              | 271.573                   | 0.000                    | 0.000                  | 1.9                | 74.046                      |                             | 5.451                    |
| AC6 (SP)           | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 4.607             | 4.607             | 0.182             | 0.182             | 8.0               | 55.958                    | 0.000                    | 0.000                  | 1.6                | 51.730                      |                             | 84.889                   |
| AC7 (SP)           | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 3.658             | 3.658             | 0.158             | 0.158             | 1.1               | 32.951                    | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 93.434                   |
| AC5 (SP)           | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 4.632             | 4.632             | 1.032             | 1.032             | 21.1              | 63.710                    | 0.000                    | 0.000                  | 1.3                | 10.050                      |                             | 48.732                   |
| AC2                | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 5.053             | 5.053             | 0.343             | 0.343             | 63.3              | 15.507                    | 0.000                    | 0.000                  | 29.7               | 14.998                      |                             | 77.189                   |
| AC1                | Design Criteria FEH: 10 years: +40 %: 600 mins: Summer  | 4.638             | 4.638             | 2.238             | 2.238             | 90.0              | 637.795                   | 0.000                    | 0.000                  | 23.9               | 389.294                     | 427                         | 6.975                    |
| INFILTRATION CRATE | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 3.799             | 3.799             | 1.499             | 1.499             | 20.4              | 719.181                   | 0.000                    | 207.713                | 0.0                | 0.000                       | 4345                        | 50.072                   |
| AC8 (SP)           | Design Criteria FEH: 10 years: +40 %: 1440 mins: Winter | 4.587             | 4.587             | 0.387             | 0.387             | 2.6               | 84.301                    | 0.000                    | 0.000                  | 0.4                | 27.408                      | 5663                        | 74.232                   |
| AC3                | Design Criteria FEH: 10 years: +40 %: 15 mins: Summer   | 5.600             | 5.600             | 0.000             | 0.000             | 0.0               | 0.000                     | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 100.000                  |

|                                                                            |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

|        |
|--------|
| Status |
| Flood  |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |

RUSTINGTON:  
GOLF COURSE

Report Details:  
Type: Stormwater Controls Summary  
Storm Phase: Storm

Date:  
05/03/2024

Designed by:  
LP

Checked by:  
LP

Approved By:  
TG

ODYSSEY:  
TUSCANY HOUSE, WHITE HART LANE  
BASINGSTOKE  
RG21 4AF



Design Criteria FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By:  
Max. Avg. Depth

| Stormwater Control | Storm Event                                              | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|--------------------|----------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| PP1 (SP)           | Design Criteria FEH: 100 years: +45 %: 60 mins: Summer   | 6.676             | 5.305             | 1.091             | 0.107             | 40.9              | 39.424                    | 6.189                    | 0.000                  | 4.5                | 3.211                       | 185                         | 41.154                   |
| PP4                | Design Criteria FEH: 100 years: +45 %: 60 mins: Summer   | 6.450             | 6.022             | 0.773             | 0.417             | 27.4              | 27.068                    | 1.825                    | 0.000                  | 3.9                | 15.544                      | 72                          | -2.503                   |
| PP6                | Design Criteria FEH: 100 years: +45 %: 120 mins: Summer  | 6.610             | 5.727             | 0.682             | 0.347             | 36.3              | 49.151                    | 0.795                    | 0.000                  | 8.8                | 56.096                      | 71                          | 11.846                   |
| PP7                | Design Criteria FEH: 100 years: +45 %: 60 mins: Winter   | 6.340             | 6.126             | 0.458             | 0.551             | 48.6              | 59.008                    | 0.000                    | 0.000                  | 6.3                | 37.101                      | 95                          | 7.120                    |
| PP10A              | Design Criteria FEH: 100 years: +45 %: 240 mins: Winter  | 6.340             | 5.731             | 0.639             | 0.471             | 8.1               | 37.807                    | 0.000                    | 0.000                  | 1.1                | 22.447                      | 499                         | 13.313                   |
| Swale              | Design Criteria FEH: 100 years: +45 %: 60 mins: Summer   | 5.705             | 5.459             | 0.665             | 0.709             | 22.5              | 9.546                     | 0.000                    | 0.000                  | 7.5                | 36.877                      | 14                          | 95.412                   |
| PP10               | Design Criteria FEH: 100 years: +45 %: 480 mins: Winter  | 6.097             | 5.417             | 0.689             | 0.182             | 7.6               | 57.236                    | 0.000                    | 0.000                  | 1.9                | 52.483                      | 304                         | 25.163                   |
| PP9                | Design Criteria FEH: 100 years: +45 %: 120 mins: Winter  | 5.768             | 5.746             | 0.568             | 0.716             | 22.1              | 55.746                    | 0.000                    | 0.000                  | 3.1                | 26.659                      | 464                         | 10.643                   |
| AC4 (SP)           | Design Criteria FEH: 100 years: +45 %: 1440 mins: Summer | 4.990             | 4.990             | 1.140             | 1.140             | 26.8              | 286.968                   | 0.000                    | 0.000                  | 3.3                | 39.920                      |                             | 0.091                    |
| AC6 (SP)           | Design Criteria FEH: 100 years: +45 %: 1440 mins: Winter | 4.988             | 4.988             | 0.563             | 0.563             | 12.0              | 173.368                   | 0.000                    | 0.000                  | 4.4                | 91.637                      |                             | 53.184                   |
| AC7 (SP)           | Design Criteria FEH: 100 years: +45 %: 1440 mins: Summer | 3.767             | 3.767             | 0.267             | 0.267             | 2.5               | 55.733                    | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 88.895                   |
| AC5 (SP)           | Design Criteria FEH: 100 years: +45 %: 180 mins: Summer  | 5.484             | 5.484             | 1.884             | 1.884             | 74.5              | 116.359                   | 0.000                    | 0.000                  | 18.7               | 56.534                      |                             | 6.365                    |
| AC2                | Design Criteria FEH: 100 years: +45 %: 30 mins: Summer   | 6.060             | 6.060             | 1.350             | 1.350             | 107.0             | 60.915                    | 0.000                    | 0.000                  | 56.2               | 59.542                      |                             | 10.390                   |

|                                                                            |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

| Status |
|--------|
| Flood  |
| Flood  |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |

|                                                                            |                     |                                                                       |                    |                                                                                    |
|----------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024 |                                                                       |                    |  |
|                                                                            | Designed by:<br>LP  | Checked by:<br>LP                                                     | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm |                     | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                    |                                                                                    |

|                    |                                                                      |       |       |       |       |       |          |       |         |       |         |       |        |
|--------------------|----------------------------------------------------------------------|-------|-------|-------|-------|-------|----------|-------|---------|-------|---------|-------|--------|
| AC1                | Design Criteria<br>FEH: 100<br>years: +45 %:<br>180 mins:<br>Summer  | 5.478 | 5.478 | 3.078 | 3.078 | 307.7 | 684.744  | 0.000 | 0.000   | 102.0 | 594.929 | 125   | 0.127  |
| INFILTRATION CRATE | Design Criteria<br>FEH: 100<br>years: +45 %:<br>1440 mins:<br>Summer | 4.988 | 4.988 | 2.688 | 2.688 | 61.1  | 1289.869 | 0.000 | 397.520 | 0.0   | 0.008   | 4306  | 10.452 |
| AC8 (SP)           | Design Criteria<br>FEH: 100<br>years: +45 %:<br>1440 mins:<br>Winter | 4.885 | 4.885 | 0.685 | 0.685 | 4.3   | 148.965  | 0.000 | 0.000   | 0.4   | 14.032  | 82671 | 54.466 |
| AC3                | Design Criteria<br>FEH: 100<br>years: +45 %:<br>30 mins:<br>Summer   | 6.282 | 6.282 | 0.682 | 0.682 | 24.9  | 8.265    | 0.000 | 0.000   | 28.4  | 9.349   | 10    | 17.272 |

|                                                                            |                                                                       |                   |                    |                                                                                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |  |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |                                                                                    |

OK

OK

OK

OK

|                                   |                     |                    |  |                                                                                    |
|-----------------------------------|---------------------|--------------------|--|------------------------------------------------------------------------------------|
| RUSTINGTON:<br>GOLF COURSE        | Date:<br>05/03/2024 |                    |  |  |
|                                   | Designed by:<br>LP  |                    |  |                                                                                    |
| Checked by:<br>LP                 |                     | Approved By:<br>TG |  |                                                                                    |
| Report Details:                   |                     |                    |  |                                                                                    |
| Type: Stormwater Controls Summary |                     |                    |  |                                                                                    |
| Storm Phase: Storm                |                     |                    |  |                                                                                    |
| ODYSSEY:                          |                     |                    |  |                                                                                    |
| TUSCANY HOUSE, WHITE HART LANE    |                     |                    |  |                                                                                    |
| BASINGSTOKE                       |                     |                    |  |                                                                                    |
| RG21 4AF                          |                     |                    |  |                                                                                    |



**Design Criteria FEH: 30 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By:**  
**Max. Avg. Depth**

|                                                                            |                                                                       |                   |                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |



| Stormwater Control | Storm Event                                             | Max. US Level (m) | Max. DS Level (m) | Max. US Depth (m) | Max. DS Depth (m) | Max. Inflow (L/s) | Max. Resident Volume (m³) | Max. Flooded Volume (m³) | Total Lost Volume (m³) | Max. Outflow (L/s) | Total Discharge Volume (m³) | Half Drain Down Time (mins) | Percentage Available (%) |
|--------------------|---------------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| PP1 (SP)           | Design Criteria FEH: 30 years: +45 %: 60 mins: Summer   | 6.652             | 5.202             | 1.067             | 0.004             | 24.1              | 30.156                    | 4.112                    | 0.000                  | 0.0                | 0.001                       | 231067                      | 54.988                   |
| PP4                | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 6.160             | 5.641             | 0.484             | 0.036             | 8.9               | 19.218                    | 0.000                    | 0.000                  | 2.7                | 25.572                      | 81                          | 27.223                   |
| PP6                | Design Criteria FEH: 30 years: +45 %: 180 mins: Summer  | 6.473             | 5.473             | 0.545             | 0.093             | 22.3              | 36.548                    | 0.000                    | 0.000                  | 7.0                | 54.134                      | 69                          | 34.449                   |
| PP7                | Design Criteria FEH: 30 years: +45 %: 60 mins: Winter   | 6.205             | 5.950             | 0.323             | 0.375             | 37.8              | 42.658                    | 0.000                    | 0.000                  | 5.9                | 35.781                      | 70                          | 32.856                   |
| PP10A              | Design Criteria FEH: 30 years: +45 %: 240 mins: Winter  | 6.210             | 5.587             | 0.508             | 0.327             | 6.5               | 29.671                    | 0.000                    | 0.000                  | 1.1                | 17.764                      | 424                         | 31.968                   |
| Swale              | Design Criteria FEH: 30 years: +45 %: 60 mins: Summer   | 5.569             | 5.354             | 0.529             | 0.604             | 18.8              | 7.928                     | 0.000                    | 0.000                  | 6.5                | 30.951                      | 13                          | 96.189                   |
| PP10               | Design Criteria FEH: 30 years: +45 %: 600 mins: Winter  | 5.972             | 5.348             | 0.564             | 0.113             | 5.2               | 46.621                    | 0.000                    | 0.000                  | 1.4                | 45.872                      | 322                         | 39.042                   |
| PP9                | Design Criteria FEH: 30 years: +45 %: 120 mins: Winter  | 5.623             | 5.602             | 0.423             | 0.572             | 17.1              | 43.232                    | 0.000                    | 0.000                  | 2.8                | 24.260                      | 321                         | 30.702                   |
| AC4 (SP)           | Design Criteria FEH: 30 years: +45 %: 960 mins: Winter  | 4.725             | 4.725             | 0.875             | 0.875             | 25.0              | 286.716                   | 0.000                    | 0.000                  | 3.3                | 81.631                      |                             | 0.179                    |
| AC6 (SP)           | Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter | 4.690             | 4.690             | 0.265             | 0.265             | 10.5              | 81.582                    | 0.000                    | 0.000                  | 2.4                | 62.343                      |                             | 77.969                   |
| AC7 (SP)           | Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter | 3.713             | 3.713             | 0.213             | 0.213             | 1.3               | 44.561                    | 0.000                    | 0.000                  | 0.0                | 0.000                       |                             | 91.121                   |
| AC5 (SP)           | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 4.913             | 4.913             | 1.313             | 1.313             | 50.8              | 81.072                    | 0.000                    | 0.000                  | 9.6                | 24.322                      |                             | 34.761                   |
| AC2                | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 5.519             | 5.519             | 0.809             | 0.809             | 123.1             | 36.509                    | 0.000                    | 0.000                  | 53.9               | 33.238                      |                             | 46.293                   |
| AC1                | Design Criteria FEH: 30 years: +45 %: 240 mins: Summer  | 4.909             | 4.909             | 2.509             | 2.509             | 219.0             | 684.204                   | 0.000                    | 0.000                  | 62.1               | 411.100                     | 199                         | 0.206                    |
| INFILTRATION CRATE | Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter | 4.565             | 4.565             | 2.265             | 2.265             | 38.0              | 1086.634                  | 0.000                    | 322.704                | 0.0                | 0.000                       | 4307                        | 24.562                   |
| AC8 (SP)           | Design Criteria FEH: 30 years: +45 %: 1440 mins: Winter | 4.680             | 4.680             | 0.480             | 0.480             | 3.6               | 104.345                   | 0.000                    | 0.000                  | 0.4                | 34.064                      | 41872                       | 68.105                   |
| AC3                | Design Criteria FEH: 30 years: +45 %: 15 mins: Summer   | 5.667             | 5.667             | 0.067             | 0.067             | 40.0              | 0.806                     | 0.000                    | 0.000                  | 4.8                | 5.023                       | 5                           | 91.931                   |

|                                                                            |                                                                       |                   |                    |
|----------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|--------------------|
| RUSTINGTON:<br>GOLF COURSE                                                 | Date:<br>05/03/2024                                                   |                   |                    |
|                                                                            | Designed by:<br>LP                                                    | Checked by:<br>LP | Approved By:<br>TG |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: Storm | ODYSSEY:<br>TUSCANY HOUSE, WHITE HART LANE<br>BASINGSTOKE<br>RG21 4AF |                   |                    |

|        |
|--------|
| Status |
| Flood  |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |
| OK     |