

1.0 Introduction

1.1 This Technical Note has been prepared by Motion on behalf of our client, Broadbridge Heath Trust. It is intended to resolve the Lead Local Flood Authority (LLFA) Objection to Horsham District Council (HDC) Planning Application ref. DC/25/1155, which is for 59 residential units on the land to the east of Tilletts Lane, Warnham. The full LLFA Consultation Letter Referenced DC/25/1155 and dated 27 October 2025 is included in **Appendix A**.

2.0 Resolving LLFA Objection to Horsham District Council Planning Application Number DC/25/1155

1) The Applicant has provided data to assert any exceedance of concern will be retained within the kerb, which is acceptable in principle.

2.1 Noted with thanks.

2) We thank the Applicants for their work on this point to date, however our understanding is still incomplete. See point 4 below.

2.2 Noted with thanks. Please see Point 4 for response.

3) This has been reviewed, however the coordinates given do not appear to be within the site boundary, please could this be clarified or amended accordingly. We would generally receive the data in an XML file format, if possible.

2.3 Motion drawing number 2404044-9001-P01 [FEH 2022 AM Rainfall Catchment 516400,133950] in **Appendix B** shows the red line planning application site boundary interacting with FEH Catchment 516400,133950; and the 516400,133950 coordinates located at the offsite downstream end of the catchment. This is why the FEH Catchment Rainfall FEH22 AM 516400 133950 data file was used in the hydraulic model, and why the coordinates given do not appear within the site boundary.

2.4 Also, by way of illustration, using the FEH_Point_Descriptors_515628_133872_v5_0_1 data file in an XML file format, rather than the FEH_Catchment_Rainfall_FEH22_AM_516400_133950 data file in a CSV file format, results in a 0.002m difference in the critical water level in Basin 1; 0.001m difference in the critical water level in Basin 2; and no difference in the critical water level in Basin 3. The difference in the basin and manhole water depths appear to be negligible whichever FEH 2022 data file is used.

4) We have read the Applicant's submissions and additional evidence on the watercourse and drainage systems at this site, which are complex and some of which is assumed in terms of location, connectivity and ability to function. The evidence is helpful however we have further queries in this regard. The current design is discharging all surface water to a private surface water sewer on the southeastern boundary. Please can justification be given as to why the Western portion of the catchment cannot discharge to the watercourse that runs approximately centrally North to South? We are concerned flood risk will increase in the Easterly section and offsite if one discharge location is used. Discharge to watercourse is higher in the SuDS hierarchy and as such should be discounted before surface water sewers are used. It is noted that the previous strategy proposed a discharge to watercourse, we will require further clarification for the reason this has now been discounted as an outfall.

2.5 With reference to the topographical survey in TN02, a feature of the watercourse that runs approximately centrally North to South is 'Trees and Dense Vegetation Limited Access'. By way of illustration, please see a photograph of the dense vegetation further downstream from the Basin 2 location in **Figure 2.1** below.

Figure 2.1 – Dense vegetation further downstream from the Basin 2 location



2.6 Also, with reference to the Arboricultural Impact Assessment and Preliminary Method Statement submitted for the planning application, it is noted that only small sections of this area of trees and dense vegetation (G7) will be removed as part of the proposed development, and two Root Protection Areas (RPAs) are shown to the north and south of where the Basin 2 outfall location would most likely be.

- 2.7 On the above basis, it is considered most appropriate for Broadbridge Heath Trust to continue to maintain the watercourse that runs approximately centrally North to South as existing, and for the proposed development to have a single outlet at the accessible low point of the site as currently proposed. The benefit of the currently proposed Sustainable Drainage System (SuDS) management train with one outfall is that it will optimise treatment, attenuation storage and maintenance, therefore, in these regards, the proposed SuDS system will be in line with National standards for sustainable drainage systems (SuDS) Guidance Updated 30 July 2025.
- 2.8 Lastly, as discussed in Section 2.14 of TN02, the existing surface water gravity pipe on the southeastern boundary does discharge to the watercourse that runs approximately centrally North to South, just further downstream.
- 2.9 In summary, due to the arboricultural considerations / constraints and the preference to optimise treatment, storage and maintenance within the proposed SuDS system, it is considered most appropriate for Broadbridge Heath Trust to continue to maintain the watercourse that runs approximately centrally North to South as existing, and for the proposed development to have a single outlet at the low point of the site as currently proposed.

5) We note that Appendix D as directed in the response is the Maintenance and Management Plan, and therefore we have reviewed appendix E which is the Infodrainage report. Please could the Applicant direct us to the page number of the amendment they have made that evidences this? We understand this would normally be denoted in the 'outfall details' section of the Infodrainage report. (Example below from another report): Please revise calculations utilising a surcharged outfall to the top of bank level.

- 2.10 Please see pages 38/53 and 39/53 of the InfoDrainage Report previously provided in TN02 for details of the surcharged outfall to the top of receiving Manhole S35 for all the rainfall events in the model.
- 2.11 Also, please see pages 36/51 and 37/51 of the updated InfoDrainage Report provided in **Appendix C** for details of the surcharged outfall to the top of receiving Manhole S35 for all the rainfall events in the model.
- 2.12 The InfoDrainage model does not continue after Manhole S35, however, by way of illustration, please see a photograph of the existing 100mm diameter outfall to the watercourse further downstream in **Figure 2.2** below. The topographic information shown on updated Motion drawing number 2404044-0500-P08 [Drainage Strategy] in **Appendix D** shows the watercourse is around 67m downstream of Manhole S35, and 2.7m lower than Manhole S35. The topographic information shown on updated Motion drawing number 2404044-0500-P08 [Drainage Strategy] in **Appendix D** also shows the watercourse is around 0.33m deep in the outfall location. On the basis surcharging Manhole S35 to the cover level for all the rainfall events has had little if any effect on the InfoDrainage model output, it is considered further modelling of the shallow watercourse 67m downstream and 2.7m lower than Manhole S35 is not required.

Figure 2.1 – Existing 100mm diameter outfall to the watercourse further downstream



5) We note the change in basin design, this does not appear to follow requirements in the SuDS manual for freeboard, further explanation as to the reasoning for this would be helpful.

- 2.13 No changes have been made to the basin design.
- 2.14 The excerpts from the original InfoDrainage calculations pdf output in **Figure 2.2**; and the updated InfoDrainage calculations pdf output in **Figure 2.3**, illustrates that it was the depths of Basins 2 and 3 in the InfoDrainage model that were changed from 1.21m with 10mm freeboard to 1.20m.

Figure 2.1 – Basin 3 Dimensions in Original InfoDrainage Calculations

| Dimensions | |
|--------------------------------|---------|
| Exceedance Level (m) | 65.710 |
| Depth (m) | 1.210 |
| Base Level (m) | 64.500 |
| Freeboard (mm) | 10 |
| Initial Depth (m) | 0.000 |
| Porosity (%) | 100 |
| Average Slope (1:X) | 3.70 |
| Total Volume (m ³) | 801.756 |

Figure 2.2 – Basin 3 Dimensions in Original InfoDrainage Calculations

| Dimensions | |
|--------------------------------|---------|
| Exceedance Level (m) | 65.700 |
| Depth (m) | 1.200 |
| Base Level (m) | 64.500 |
| Freeboard (mm) | 0 |
| Initial Depth (m) | 0.000 |
| Porosity (%) | 100 |
| Average Slope (1:X) | 3.70 |
| Total Volume (m ³) | 801.756 |

Freeboard

2.15 We have designed the drainage strategy in accordance with the advice and paragraphs within the CIRIA C753 SuDS Manual. There are multiple paragraphs discussing freeboard within the SuDS Manual, that approach the issue from several perspectives. These are:

Paragraph 7.7.1 - Test hydraulic performance of scheme:

"Exceedance routes should be evaluated and designed where required, ensuring appropriate levels of freeboard between extreme flood levels and building floor levels."

Paragraph 23.4.5 - Exceedance Flow Design:

"An exceedance flow route will be required for rainfall events that exceed the design capacity of the pond or wetland and to convey flows should outlet blockages occur. This can be achieved by installing an overflow pipe or weir/overflow/spillway structure above the design water storage level to convey excess flows downstream. They should be designed to prevent overtopping of any embankment which might cause structural damage, and spillways should be located so that downstream people and property are not put at risk. For small ponds, a simple grass channel integrated into the landscape is usually suitable as an exceedance route. A freeboard of 300mm for the design event is usually sufficient for larger ponds, but where risks are particularly high a further allowance should be agreed with the environmental regulator or other authority. Conversely, for smaller ponds, there may be no need for a freeboard, provided the risk to people and property has been evaluated."

Paragraph 24.12 - Exceedance Design

"Surface flood conveyance paths or storage zones for extreme events should [3] include a freeboard allowance to allow for uncertainties."

These separate discussions of freeboard are brought together in Table C.4 of the worked design example in Appendix C (Rosetree Estate) of CIRIA C753 SuDS Manual, that prompts the user to assess freeboard in the following manner:

"Ensure that all surface water is retained within the SuDS components for events up to the critical 1:30 year event and contained within appropriate exceedance routes and storage areas up to the critical 1:100 year event, with 300 mm freeboard to points of potential entry to buildings (to meet water quantity standards 3a and 3b), and to include relevant climate change and urban creep allowances."

2.16 With reference to above, a freeboard of 300mm has been achieved between the top water level for the Basins during the critical flood event (including relevant climate change and urban creep allowances) and points of entry/FFL's of buildings, therefore the drainage strategy complies with requirements of the SuDS Manual for freeboard.

2.17 As discussed in Sections 2.15 to 2.19 in TN02, it was recognised at an early stage that a lot of care needed to be taken with regards to managing surface water runoff from the site post development.

2.18 With reference to Section 2.18 in TN02, Motion has quantified that approximately 6780m² pervious pavement area is proposed as part of the development. Motion has updated the InfoDrainage model in **Appendix C** to more accurately model around 3050m² of the pervious pavement area. As a result, the updated InfoDrainage Report provided in **Appendix C** now shows 0.367m freeboard in Basin 1; 0.164m freeboard in Basin 2; and 0.085m freeboard in Basin 3. The changes to the Basin freeboard in the InfoDrainage model resulting from the addition of just 45% of the total proposed pervious pavement area illustrates the effect the Source Control SuDS will have on the provision of freeboard within the Basins. At the detailed design stage, 100% of the pervious pavement areas will be modelled, and the freeboard provided within the basins will increase further.

6) It is noted that there are some restrictions to access due to necessary BNG hedging requirements, specifically at basin 1 where the southerly inlet location is not accessible from the adjacent bank. Please can we be provided with a note as to how maintenance will be achieved on the southerly portion of basin 1.

2.19 Where there is a location adjacent to Basin 1 where less than 3m easement can be provided due to the proposed hedge required for Biodiversity Net Gain, a 1m gap in the hedge will be provided along the centre line of the Basin 1 inlet pipe for access. Updated Landscaping drawings soon to submitted for the planning application to take into account Landscape Officer comments will show this gap.

2.20 Motion drawing number 2404044-0500-P08 [Drainage Strategy] in **Appendix D** has also been updated to state 'A 1m gap in the hedge will be provided along the centre line of the Basin 1 inlet pipe for access'.

2.21 Moreover, vehicular access is not required for 360-degrees around the SuDS feature. The majority of the SuDS feature will be maintained with hand tools (mowers, strimmers, etc.) and therefore one metre's easement is sufficient for maintenance.

7) This is an advisory only and has been addressed.

2.22 Noted.

8) Addressed.

2.23 Noted.

3.0 Conclusions

3.1 In conclusion, Motion has worked through LLFA Specific Comments and provided the information required to overturn the LLFA objection. As such, flood risk and surface water management should not form an impediment to the progress of the planning application for this development.

Appendix A

LLFA Consultation Letter Referenced DC/25/1155 and Dated 27 October 2025 for
Horsham District Council Planning Application Number DC/25/1155

Ground Floor
Northleigh
County Hall
Chichester
West Sussex
PO19 1RH



Lead Local Flood Authority

Nicola Pettifer
Development Control
Albery House
Springfield Road
Horsham
RH12 2GB

Date 27th October 2025

Dear Nicola,

RE: DC/25/1155 Land East of Tilletts Lane Warnham

Thank you for your reconsultation on the above site, received on 13th October 2025. We have reviewed the application as submitted and wish to make the following comments.

Please see below updated comments to our previous enquiries in **blue**:

- 1) The exceedance routes appear to affect both existing properties and areas outside the red line boundary (in particular Robinsgreen and surrounding land south of the access road) and potentially plots 47 and 50. Please can the exceedance routes be checked and clarification provided for these areas in particular. It may be of benefit to overlay the exceedance plan over topographic data to demonstrate the exceedance flows will not impact these area.

The Applicant has provided data to assert any exceedance of concern will be retained within the kerb, which is acceptable in principle.

- 2) We will require further information regarding the ordinary watercourses on site, as their onward connectivity is not clear. Please can the Applicant provide updated drawings showing the precise locations of each watercourse with hard bed and bank levels. It is important for us to understand how they connect to the wider network, and any existing structures (culverts, outfalls etc) should also be marked with their invert levels and pipe diameters where applicable. We will need to see how the surface water discharge could affect flood risk offsite as we are aware of known flood concerns in the area. A CCTV survey of the wider system may be required to demonstrate this.

We thank the Applicants for their work on this point to date, however our understanding is still incomplete. See point 4 below.

- 3) To allow us to check the calculation parameters, send the FEH 2022 point data file for the site to the Flood Risk Management Team. This data will be dealt with in accordance with 5.1.7 of the FEH Web Service terms of use. Please send it to FRM@westsussex.gov.uk, **not** the case officer, as this information must remain confidential to follow the terms of use. Please title this email: "**DC/25/1155 FEH Point File**"

This has been reviewed, however the coordinates given do not appear to be within the site boundary, please could this be clarified or amended accordingly. We would generally receive the data in an XML file format, if possible.

- 4) It is noted that there is only one discharge point within the site, however the evidence provided shows there is more than one catchment within the site. The surface water drainage system will need to mimic the natural drainage of the site, for example it is unclear why there is not a direct outfall from basin 1 to the adjacent watercourse. This could increase flood risk elsewhere as the distribution of surface water runoff will not be as existing, rather concentrated in one location. Please can this be reviewed and clarified.

We have read the Applicant's submissions and additional evidence on the watercourse and drainage systems at this site, which are complex and some of which is assumed in terms of location, connectivity and ability to function. The evidence is helpful however we have further queries in this regard. The current design is discharging all surface water to a private surface water sewer on the southeastern boundary. Please can justification be given as to why the Western portion of the catchment cannot discharge to the watercourse that runs approximately centrally North to South? We are concerned flood risk will increase in the Easterly section and offsite if one discharge location is used. Discharge to watercourse is higher in the SuDS hierarchy and as such should be discounted before surface water sewers are used. It is noted that the previous strategy proposed a discharge to watercourse, we will require further clarification for the reason this has now been discounted as an outfall.

- 5) Please revise calculations utilising a surcharged outfall to the top of bank level.

We note that Appendix D as directed in the response is the Maintenance and Management Plan, and therefore we have reviewed appendix E which is the Infodrainage report. Please could the Applicant direct us to the page number of the amendment they have made that evidences this? We understand this would normally be denoted in the 'outfall details' section of the Infodrainage report. (Example below from another report):

| | | | | |
|--|------------------|-------------|--------------|--|
| Project: | Date: | | | |
| | Designed by: | Checked by: | Approved By: | |
| Report Details: Type: Outfall Details Storm Phase: Phase | Company Address: | | | |



Outfalls

| Outfall | Outfall Type | Fixed Surcharged Level (m) | Level Curve |
|---------|----------------|----------------------------|-------------|
| — | Free Discharge | | |
| — | Free Discharge | | |

surcharged outfall details infodrainage

We note the change in basin design, this does not appear to follow requirements in the SuDS manual for freeboard, further explanation as to the reasoning for this would be helpful.

6) The drainage plan needs to evidence a 3m easement buffer (from top of bank) for all SuDS basins and watercourses to allow for maintenance access.

It is noted that there are some restrictions to access due to necessary BNG hedging requirements, specifically at basin 1 where the southerly inlet location is not accessible from the adjacent bank. Please can we be provided with a note as to how maintenance will be achieved on the southerly portion of basin 1.

7) We would recommend Southern Water are consulted regarding the foul pumping station to ensure the appropriate standoff distances/easement buffers have been included in the layout, if not already established.

This is an advisory only and has been addressed.

8) As an advisory, as with previous applications we would flag that the policy referred to at 7.10 is no longer valid and not in effect. The latest National Standards for SuDS (July 2025) should be followed.

Addressed.

Upon receipt of the above we will be in a position to comment further.

Yours sincerely,

Natalie Biddulph
Flood Risk Management Team

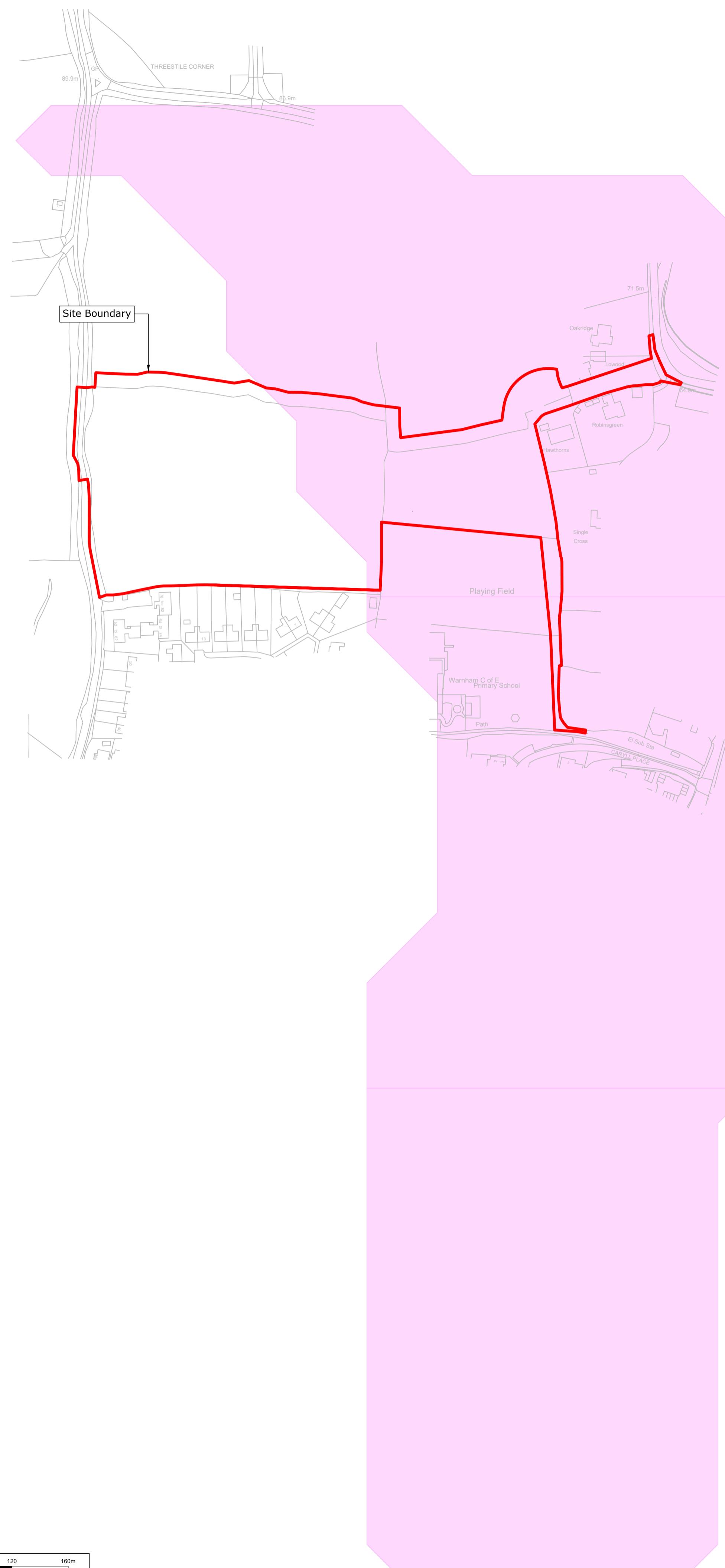
Annex:

Documents considered as part of this response:

- Flood Risk Assessment and Drainage Strategy 9 May 2025 1lbwar/ 2404044
- Technical Note 2: Resolving LLFA Objection to Horsham District Council Planning 8 October 2025

Appendix B

Motion drawing number 2404044-9001-P01 [FEH 2022 AM Rainfall Catchment
516400,133950]



P01 First Issue ST CG JM 05/11/2025
Rev. Description Dm Chk App Date

Drawing Status: FOR PLANNING NOT FOR CONSTRUCTION

motion
Guildford - Reading - London
www.motion.co.uk

Client: Broadbridge Heath Trust

Project: Land to the east of Tilletts Lane, Warnham

Title: FEH 2022 AM Rainfall Catchment 516400,133950

Scale: 1:2000 (@ A1)
Drawing: 2404044-9001 Revision: P01

Appendix C

Updated Hydraulic Calculations

| | | | | | | | | | | |
|--|--|--|--|--|---------------------|-------------|--------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | | | Date: 19/11/2025 | | | | |  |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | | | | | Designed by: CC | Checked by: | Approved By: | | | |
| Motion: 84 North Street Guildford GU1 4AU | | | | | | | | | | |

| Name | Junction Type | Easting (m) | Northing (m) | Cover Level (m) | Depth (m) | Invert Level (m) | Chamber Shape | Diameter (m) | Lock |
|------|---------------|-------------|--------------|-----------------|-----------|------------------|---------------|--------------|------|
| S1 | Manhole | 515436.868 | 133946.794 | 77.425 | 1.350 | 76.075 | Circular | 1.500 | None |
| S2 | Manhole | 515469.582 | 133943.549 | 76.428 | 1.350 | 75.078 | Circular | 1.500 | None |
| S3 | Manhole | 515472.726 | 133910.292 | 73.577 | 1.350 | 72.227 | Circular | 1.500 | None |
| S4 | Manhole | 515475.414 | 133874.383 | 70.521 | 1.350 | 69.171 | Circular | 1.500 | None |
| S7 | Manhole | 515475.373 | 133871.173 | 70.443 | 3.152 | 67.291 | Circular | 1.200 | None |
| S8 | Manhole | 515538.047 | 133866.734 | 70.782 | 3.930 | 66.852 | Circular | 1.200 | None |
| S9 | Manhole | 515575.793 | 133861.502 | 69.939 | 3.353 | 66.586 | Circular | 1.200 | None |
| S10 | Manhole | 515587.547 | 133862.038 | 69.670 | 3.166 | 66.504 | Circular | 1.200 | None |
| S13 | Manhole | 515619.612 | 133886.395 | 69.534 | 3.421 | 66.113 | Circular | 1.200 | None |
| S14 | Manhole | 515629.585 | 133902.913 | 69.726 | 3.742 | 65.984 | Circular | 1.200 | None |
| S15 | Manhole | 515636.932 | 133904.426 | 69.639 | 3.705 | 65.934 | Circular | 1.200 | None |
| S16 | Manhole | 515663.843 | 133897.596 | 68.641 | 2.912 | 65.729 | Circular | 1.200 | None |
| S17 | Manhole | 515700.532 | 133897.478 | 67.070 | 1.566 | 65.504 | Circular | 1.200 | All |
| S19 | Manhole | 515507.156 | 133869.712 | 70.980 | 3.911 | 67.069 | Circular | 1.200 | None |
| S20 | Manhole | 515565.472 | 133931.596 | 74.063 | 1.350 | 72.713 | Circular | 1.500 | None |
| S21 | Manhole | 515583.304 | 133928.886 | 73.176 | 1.350 | 71.826 | Circular | 1.500 | None |
| S22 | Manhole | 515576.857 | 133887.564 | 71.057 | 1.350 | 69.707 | Circular | 1.500 | None |
| S23 | Manhole | 515507.441 | 133937.866 | 75.795 | 1.350 | 74.445 | Circular | 1.500 | None |
| S24 | Manhole | 515504.694 | 133910.127 | 73.760 | 1.350 | 72.410 | Circular | 1.500 | None |
| S25 | Manhole | 515507.685 | 133885.603 | 71.951 | 1.350 | 70.601 | Circular | 1.500 | None |
| S26 | Manhole | 515543.189 | 133927.752 | 74.483 | 1.350 | 73.133 | Circular | 1.500 | None |
| S27 | Manhole | 515526.418 | 133934.778 | 75.354 | 1.350 | 74.004 | Circular | 1.500 | None |
| S28 | Manhole | 515540.713 | 133916.058 | 74.123 | 1.550 | 72.573 | Circular | 1.500 | None |
| S29 | Manhole | 515538.677 | 133878.937 | 71.524 | 1.350 | 70.174 | Circular | 1.500 | None |
| S30 | Manhole | 515597.474 | 133928.160 | 72.478 | 1.350 | 71.128 | Circular | 1.500 | None |
| S31 | Manhole | 515611.438 | 133926.652 | 71.683 | 1.447 | 70.236 | Circular | 1.500 | None |
| S32 | Manhole | 515621.490 | 133919.523 | 70.803 | 1.350 | 69.453 | Circular | 1.500 | None |
| S33 | Manhole | 515507.144 | 133872.502 | 71.047 | 1.350 | 69.697 | Circular | 1.500 | None |
| S35 | Manhole | 515756.055 | 133866.867 | 63.960 | 1.000 | 62.960 | Circular | 1.500 | All |
| S36 | Manhole | 515683.443 | 133896.171 | 67.711 | 2.093 | 65.618 | Circular | 1.200 | None |
| S37 | Manhole | 515493.600 | 133843.884 | 69.453 | 1.350 | 68.103 | Circular | 1.500 | None |
| S38 | Manhole | 515475.416 | 133843.418 | 69.616 | 1.829 | 67.788 | Circular | 1.200 | None |
| S39 | Manhole | 515683.374 | 133880.656 | 67.711 | 1.764 | 65.947 | Circular | 1.500 | None |
| S44 | Manhole | 515737.506 | 133910.162 | 67.243 | 1.425 | 65.818 | Circular | 1.200 | All |
| S43 | Manhole | 515746.222 | 133928.343 | 68.205 | 1.665 | 66.540 | Circular | 1.200 | All |
| S41 | Manhole | 515737.749 | 133951.346 | 70.109 | 3.406 | 66.703 | Circular | 1.200 | All |
| S40 | Manhole | 515739.468 | 133964.779 | 70.800 | 4.006 | 66.794 | Circular | 1.200 | All |
| S45 | Manhole | 515750.907 | 133972.798 | 71.065 | 4.178 | 66.887 | Circular | 1.200 | All |
| S46 | Manhole | 515777.018 | 133969.151 | 70.524 | 3.461 | 67.063 | Circular | 1.200 | All |
| S47 | Manhole | 515826.686 | 133984.925 | 68.535 | 1.125 | 67.410 | Circular | 1.200 | All |

| | | | | | |
|--|--|--------------------|-------------|--------------|--|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Designed by: CC | Checked by: | Approved By: |  |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Motion: 84 North Street Guildford GU1 4AU | | | | |

Inlets

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|---|--------------------|----------------|
| S1 | Inlet | 76.39m - 1.000 50.66m - 1.000 138.58m - 1.000 260.34m - 1.000 | (None) | No Restriction |
| S2 | Inlet | S1-S2 50.66m - 1.001 55.60m - 1.001 48.15m - 1.001 203.74m - 1.001 75.47m - 1.001 | (None) | No Restriction |
| S3 | Inlet | 48.15m - 1.002 48.15m - 1.002 57.96m - 1.002 50.66m - 1.002 227.27m - 1.002 S2-S3 | (None) | No Restriction |
| S4 | Inlet | S3-S4 PP1 Outlet | (None) | No Restriction |
| S7 | Inlet (1) | S33-S4 | (None) | No Restriction |
| S7 | Inlet | S6-S7 | (None) | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|--|--------------------|----------------|
| S8 | Inlet | 57.96m - 1.007 48.15m - 1.007 54.14m - 1.007 62.17m - 1.007 56.23m - 1.007 S19-S8 S29-S8 81.15m - 4.003 | (None) | No Restriction |
| S9 | Inlet | S8-S9 S22-S9 58.13m - 1.008 24.96m - 1.008 | (None) | No Restriction |
| | Inlet (2) | PP5 Outlet | (None) | No Restriction |
| S10 | Inlet | S9-S10 55.60m - 1.009 50.66m - 1.009 PP11 Outlet | (None) | No Restriction |
| S13 | Inlet | S12-S13 PP2 Outlet 276.92m - 1.009 187.59m - 1.010 | (None) | No Restriction |
| | Inlet (1) | 152.27m - 1.011 | (None) | No Restriction |
| | Inlet (2) | 48.15m - 1.011 48.15m - 1.010 | (None) | No Restriction |
| S14 | Inlet | S32-S14 67.51m - 1.012 PP10 Outlet 122.37m - 6.002 | (None) | No Restriction |
| | Inlet (1) | S13-S14 | (None) | No Restriction |

| | | |
|--|--|----------|
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| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|---|--------------------|----------------|
| S15 | Inlet | S14-S15 57.96m - 1.013 77.20m - 1.013 54.14m - 1.013 | (None) | No Restriction |
| S16 | Inlet | S15-S16 48.15m - 1.013 48.15m - 1.014 79.93m - 1.015 54.14m - 1.014 | (None) | No Restriction |
| | Inlet (1) | 203.16m - 1.013 PP4 Outlet | (None) | No Restriction |
| | Inlet | 220.69m - 1.016 S36-S17 54.14m - 1.016 74.55m - 1.015 75.60m - 1.015 54.14m - 1.014 57.96m - 1.014 74.05m - 1.016 273.47m - 1.014 | (None) | No Restriction |
| | Inlet (1) | 123.57m - 1.016 | (None) | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|--|--------------------|----------------|
| S19 | Inlet | S7-S19 56.44m - 1.006 56.44m - 1.006 56.44m - 1.006 45.71m - 1.006 91.82m - 1.006 47.41m - 1.005 56.44m - 1.005 | (None) | No Restriction |
| S20 | Inlet | 57.96m - 5.000 54.14m - 5.000 48.15m - 5.000 367.70m - 5.000 54.14m - 5.000 84.88m - 5.000 55.29m - 5.000 | (None) | No Restriction |
| S21 | Inlet | 63.02m - 5.001 63.04m - 5.001 54.15m - 5.001 54.15m - 5.001 27.89m - 5.001 46.19m - 5.001 27.52m - 5.001 S20-S21 | (None) | No Restriction |
| S22 | Inlet | S21-S22 24.60m - 5.002 | (None) | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|---|--------------------|----------------|
| S23 | Inlet | 65.46m - 2.000 48.15m - 2.000 48.15m - 2.000 73.53m - 2.000 81.23m - 2.000 54.14m - 2.000 26.55m - 2.000 102.48m - 2.000 40.71m - 2.000 26.22m - 2.000 207.20m - 2.000 | (None) | No Restriction |
| S24 | Inlet | 54.14m - 2.001 40.24m - 2.001 S23-S24 | (None) | No Restriction |
| S25 | Inlet | S24-S25 54.15m - 2.002 29.70m - 2.002 | (None) | No Restriction |
| S26 | Inlet | S27-S26 57.96m - 4.001 189.19m - 4.001 PP9 Outlet | (None) | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|---|--------------------|----------------|
| S27 | Inlet | 62.59m - 4.000 68.61m - 4.000 74.05m - 4.000 57.96m - 4.000 80.64m - 4.000 112.27m - 4.000 | (None) | No Restriction |
| S28 | Inlet | 50.66m - 4.002 50.66m - 4.002 66.03m - 4.002 50.66m - 4.002 50.66m - 4.002 56.44m - 4.002 56.44m - 4.002 472.96m - 4.002 92.32m - 4.002 92.56m - 4.002 17.78m - 4.002 S26-S28 | (None) | No Restriction |
| S29 | Inlet | S28-S29 66.03m - 4.003 50.66m - 4.003 | (None) | No Restriction |

| | | | | | |
|--|--|--------------------|-------------|--------------|--|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Designed by: CC | Checked by: | Approved By: |  |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Motion: 84 North Street Guildford GU1 4AU | | | | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|---|--------------------|----------------|
| S30 | Inlet | 48.15m - 6.000 261.56m - 6.000 53.88m - 6.000 78.04m - 6.000 71.91m - 6.000 | (None) | No Restriction |
| S31 | Inlet | S30-S31 54.14m - 6.001 74.05m - 6.001 | (None) | No Restriction |
| S32 | Inlet | 55.60m - 6.002 50.66m - 6.002 S31-S32 57.95m - 6.001 | (None) | No Restriction |
| S33 | Inlet | S25-S33 | (None) | No Restriction |
| | Inlet (1) | PP3 Outlet | (None) | No Restriction |
| S35 | Inlet | S34-S35 | (None) | No Restriction |
| S36 | Inlet | S39-S36 S16-S36 | (None) | No Restriction |
| | Inlet (1) | PP6 Outlet | (None) | No Restriction |
| S37 | Inlet | PP8 Outlet | (None) | No Restriction |
| S38 | Inlet | 57.55m - 3.001 57.55m - 3.001 140m2 - 3.001 40m2 - 3.001 S37-S38 98.38m - 1.003 | (None) | No Restriction |
| S39 | Inlet | 72.00m - 7.000 206.75m - 7.000 PP7 Outlet | (None) | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

| Junction | Inlet Name | Incoming Item(s) | Bypass Destination | Capacity Type |
|----------|------------|--|--------------------|----------------|
| S44 | Inlet | S43-S44 143.61m - 1.016 74.05m - 1.016 | (None) | No Restriction |
| S43 | Inlet | S41-S43 | (None) | No Restriction |
| S41 | Inlet | S40-S41 | (None) | No Restriction |
| S41 | Inlet (1) | 426.77m - 1.016 | (None) | No Restriction |
| S40 | Inlet | S45-S40 | (None) | No Restriction |
| S45 | Inlet | S46-S45 | (None) | No Restriction |
| S45 | Inlet (1) | 355.32m - 1.016 | (None) | No Restriction |
| S46 | Inlet | S47-S46 | (None) | No Restriction |
| S47 | Inlet | 660m2 - 1.016 | (None) | No Restriction |

Outlets

| Junction | Outlet Name | Outgoing Connection | Outlet Type |
|----------|--------------------------|---------------------|----------------|
| S1 | Outlet | S1-S2 | Free Discharge |
| S2 | Outlet | S2-S3 | Free Discharge |
| S3 | Outlet | S3-S4 | Free Discharge |
| S4 | Outlet | S4-S6 | Free Discharge |
| S7 | Outlet | S7-S19 | Orifice |
| | Diameter (m) | 0.050 | |
| | Coefficient of Discharge | 0.600 | |
| | Invert Level (m) | 67.291 | |
| S8 | Outlet | S8-S9 | Free Discharge |
| S9 | Outlet | S9-S10 | Free Discharge |
| S10 | Outlet | S10-S12 | Free Discharge |
| S13 | Outlet | S13-S14 | Free Discharge |
| S14 | Outlet | S14-S15 | Free Discharge |
| S15 | Outlet | S15-S16 | Free Discharge |
| S16 | Outlet | S16-S36 | Free Discharge |
| S17 | Outlet | S17-S34 | Free Discharge |
| S19 | Outlet | S19-S8 | Free Discharge |
| S20 | Outlet | S20-S21 | Free Discharge |
| S21 | Outlet | S21-S22 | Free Discharge |
| S22 | Outlet | S22-S9 | Free Discharge |
| S23 | Outlet | S23-S24 | Free Discharge |
| S24 | Outlet | S24-S25 | Free Discharge |
| S25 | Outlet | S25-S33 | Free Discharge |
| S26 | Outlet | S26-S28 | Free Discharge |
| S27 | Outlet | S27-S26 | Free Discharge |
| S28 | Outlet | S28-S29 | Free Discharge |
| S29 | Outlet | S29-S8 | Free Discharge |
| S30 | Outlet | S30-S31 | Free Discharge |
| S31 | Outlet | S31-S32 | Free Discharge |
| S32 | Outlet | S32-S14 | Free Discharge |
| S33 | Outlet | S33-S4 | Free Discharge |
| S36 | Outlet | S36-S17 | Free Discharge |
| S37 | Outlet | S37-S38 | Free Discharge |
| S38 | Outlet | S38-S6 | Free Discharge |
| S39 | Outlet | S39-S36 | Free Discharge |
| S44 | Outlet | S44-S34 | Free Discharge |
| S43 | Outlet | S43-S44 | Free Discharge |
| S41 | Outlet | S41-S43 | Free Discharge |
| S40 | Outlet | S40-S41 | Free Discharge |
| S45 | Outlet | S45-S40 | Free Discharge |
| S46 | Outlet | S46-S45 | Free Discharge |
| S47 | Outlet | S47-S46 | Free Discharge |

| | | | | | |
|--|--|--------------------|-------------|--------------|--|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Designed by: CC | Checked by: | Approved By: |  |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Motion: 84 North Street Guildford GU1 4AU | | | | |



Basin 2

Type : Pond

Dimensions

| | |
|--------------------------------|---------|
| Exceedance Level (m) | 67.600 |
| Depth (m) | 1.200 |
| Base Level (m) | 66.400 |
| Freeboard (mm) | 0 |
| Initial Depth (m) | 0.000 |
| Porosity (%) | 100 |
| Average Slope (1:X) | 3.60 |
| Total Volume (m ³) | 423.873 |

| Depth (m) | Area (m ²) | Volume (m ³) |
|-----------|------------------------|--------------------------|
| 0.000 | 217.89 | 0.000 |
| 0.100 | 238.13 | 22.794 |
| 0.200 | 259.34 | 47.660 |
| 0.300 | 281.12 | 74.676 |
| 0.400 | 303.46 | 103.898 |
| 0.500 | 326.37 | 135.382 |
| 0.600 | 349.84 | 169.185 |
| 0.700 | 373.88 | 205.365 |
| 0.800 | 398.48 | 243.976 |
| 0.900 | 423.65 | 285.076 |
| 1.000 | 449.38 | 328.721 |
| 1.100 | 475.68 | 374.968 |
| 1.200 | 502.54 | 423.873 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Point Inflow |
| Incoming Item(s) | S10-S12 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

| | | |
|--|---------------------|--------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC | |
| Motion: 84 North Street Guildford GU1 4AU | Checked by: | Approved By: |

Outlets

Outlet

| | |
|--------------------------|---------|
| Outgoing Connection | S12-S13 |
| Outlet Type | Orifice |
| Diameter (m) | 0.069 |
| Coefficient of Discharge | 0.600 |
| Invert Level (m) | 66.400 |

Advanced

| | |
|-----------------|-------------|
| Perimeter | Circular |
| Length (m) | 35.466 |
| Friction Scheme | Manning's n |
| n | 0.03 |



Basin 3

Type : Pond

Land to the east of Tilletts Lane, Warnham:

Date:
19/11/2025Designed by:
CC

Checked by:

Approved By:

Report Details:
Type: Stormwater Controls
Storm Phase: Surface Network 1Motion:
84 North Street
Guildford
GU1 4AU

Dimensions

| | |
|--------------------------------|---------|
| Exceedance Level (m) | 65.700 |
| Depth (m) | 1.200 |
| Base Level (m) | 64.500 |
| Freeboard (mm) | 0 |
| Initial Depth (m) | 0.000 |
| Porosity (%) | 100 |
| Average Slope (1:X) | 3.70 |
| Total Volume (m ³) | 801.756 |

| Depth (m) | Area (m ²) | Volume (m ³) |
|-----------|------------------------|--------------------------|
| 0.000 | 473.11 | 0.000 |
| 0.100 | 503.13 | 48.804 |
| 0.200 | 534.32 | 100.669 |
| 0.300 | 566.08 | 155.681 |
| 0.400 | 598.40 | 213.897 |
| 0.500 | 631.28 | 275.374 |
| 0.600 | 664.74 | 340.167 |
| 0.700 | 698.76 | 408.335 |
| 0.800 | 733.34 | 479.933 |
| 0.900 | 768.49 | 555.017 |
| 1.000 | 804.20 | 633.645 |
| 1.100 | 840.48 | 715.872 |
| 1.200 | 877.33 | 801.756 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Point Inflow |
| Incoming Item(s) | S17-S34 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Inlet (1)

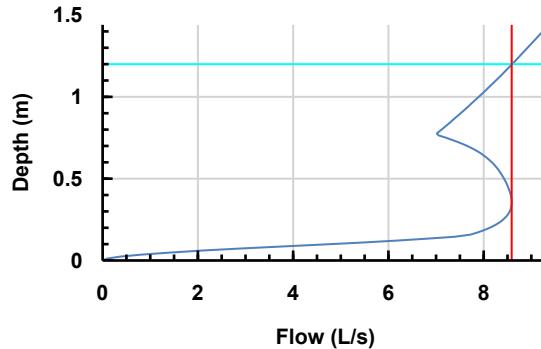
| | |
|--------------------|----------------|
| Inlet Type | Point Inflow |
| Incoming Item(s) | S44-S34 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |

Outlets

Outlet

| | |
|---------------------|--|
| Outgoing Connection | S34-S35 |
| Outlet Type | Hydro-Brake® |
| Invert Level (m) | 64.500 |
| Design Depth (m) | 1.200 |
| Design Flow (L/s) | 8.6 |
| Objective | Minimise Upstream Storage Requirements |
| Application | Surface Water Only |
| Sump Available | <input checked="" type="checkbox"/> |
| Unit Reference | SHE-0133-8600-1200-8600 |



Advanced

| | |
|-----------------|-------------|
| Perimeter | Circular |
| Length (m) | 49.294 |
| Friction Scheme | Manning's n |
| n | 0.03 |



Basin 1

Type : Pond

| | | | | |
|--|--|--|-----------------------------|--|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | Checked by: Approved By: |  |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Motion: 84 North Street Guildford GU1 4AU | | | |

Dimensions

| | |
|--------------------------------|---------|
| Exceedance Level (m) | 68.600 |
| Depth (m) | 1.200 |
| Base Level (m) | 67.400 |
| Freeboard (mm) | 0 |
| Initial Depth (m) | 0.000 |
| Porosity (%) | 100 |
| Average Slope (1:X) | 3.083 |
| Total Volume (m ³) | 360.314 |

| Depth (m) | Area (m ²) | Volume (m ³) |
|-----------|------------------------|--------------------------|
| 0.000 | 194.277 | 0.000 |
| 0.100 | 209.703 | 20.194 |
| 0.200 | 226.004 | 41.974 |
| 0.300 | 242.870 | 65.413 |
| 0.400 | 260.301 | 90.567 |
| 0.500 | 278.298 | 117.491 |
| 0.600 | 296.860 | 146.244 |
| 0.700 | 315.987 | 176.882 |
| 0.800 | 335.680 | 209.460 |
| 0.900 | 355.937 | 244.036 |
| 1.000 | 376.761 | 280.666 |
| 1.100 | 398.149 | 319.407 |
| 1.200 | 420.103 | 360.314 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Point Inflow |
| Incoming Item(s) | S4-S6 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Inlet (1)

| | |
|--------------------|----------------|
| Inlet Type | Point Inflow |
| Incoming Item(s) | S38-S6 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

| | | | |
|--|---------------------|----------|-------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN | |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC | | Checked by: |
| Motion: 84 North Street Guildford GU1 4AU | | | |

Outlets

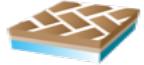
Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | S6-S7 |
| Outlet Type | Free Discharge |

Advanced

| | |
|-----------------|-------------|
| Perimeter | Circular |
| Length (m) | 27.051 |
| Friction Scheme | Manning's n |
| n | 0.03 |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |



PP1

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 70.521 |
| Depth (m) | 0.580 |
| Base Level (m) | 69.941 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 56.693 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 5.361 |
| Total Volume (m ³) | 41.031 |

Inlets

Inlet

| | |
|--------------------|--------------------|
| Inlet Type | Lateral Inflow |
| Incoming Item(s) | 267.49m - 2.003 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP1 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

Land to the east of Tilletts Lane, Warnham:

Date:
19/11/2025

Designed by:
CC

Checked by:

Approved By:

Report Details:
Type: Stormwater Controls
Storm Phase: Surface Network 1

Motion:
84 North Street
Guildford
GU1 4AU



PP8

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 69.453 |
| Depth (m) | 0.580 |
| Base Level (m) | 68.873 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 27.534 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 9.499 |
| Total Volume (m ³) | 35.309 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Lateral Inflow |
| | 128.31m |
| Incoming Item(s) | - 3.000 |
| | 128.25m |
| | - 3.000 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP8 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|



PP9

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 74.483 |
| Depth (m) | 0.580 |
| Base Level (m) | 73.903 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 85.070 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 5.095 |
| Total Volume (m ³) | 58.513 |

Inlets

Inlet

| | |
|--------------------|--------------------|
| Inlet Type | Lateral Inflow |
| Incoming Item(s) | 174.04m - 4.000 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP9 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

Land to the east of Tilletts Lane, Warnham:

Date:
19/11/2025

Designed by:
CC

Checked by:

Approved By:

Report Details:
Type: Stormwater Controls
Storm Phase: Surface Network 1

Motion:
84 North Street
Guildford
GU1 4AU



PP11

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 69.670 |
| Depth (m) | 0.580 |
| Base Level (m) | 69.090 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 55.140 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 6.291 |
| Total Volume (m ³) | 46.830 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Lateral Inflow |
| | 239.52m |
| Incoming Item(s) | - 1.007 |
| | 130.76m |
| | - 1.006 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

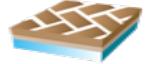
Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP11 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



PP2

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 69.534 |
| Depth (m) | 0.580 |
| Base Level (m) | 68.954 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 47.748 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 2.456 |
| Total Volume (m ³) | 15.831 |

Inlets

Outlets

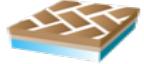
Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP2 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



PP10

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 69.726 |
| Depth (m) | 0.580 |
| Base Level (m) | 69.146 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 16.125 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 4.987 |
| Total Volume (m ³) | 10.856 |

Inlets

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP10 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|



PP4

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 68.641 |
| Depth (m) | 0.580 |
| Base Level (m) | 68.061 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 15.000 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 5.000 |
| Total Volume (m ³) | 10.125 |

Inlets

Inlet

| | |
|--------------------|-------------------|
| Inlet Type | Lateral Inflow |
| Incoming Item(s) | 94.53m - 1.013 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

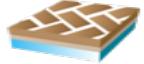
Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP4 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |



PP6

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 67.711 |
| Depth (m) | 0.580 |
| Base Level (m) | 67.131 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 15.000 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 5.000 |
| Total Volume (m ³) | 10.125 |

Inlets

Inlet

| | |
|--------------------|-------------------|
| Inlet Type | Lateral Inflow |
| Incoming Item(s) | 92.82m - 7.000 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP6 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|



PP7

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 67.711 |
| Depth (m) | 0.580 |
| Base Level (m) | 67.131 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 10.000 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 5.000 |
| Total Volume (m ³) | 6.750 |

Inlets

Inlet

| | |
|--------------------|-------------------|
| Inlet Type | Lateral Inflow |
| Incoming Item(s) | 51.58m - 7.000 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP7 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|



PP5

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 69.939 |
| Depth (m) | 0.580 |
| Base Level (m) | 69.359 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 59.261 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 10.630 |
| Total Volume (m ³) | 85.042 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Lateral Inflow |
| | 206.67m |
| | - 5.001 |
| | 115.47m |
| | - 5.002 |
| Incoming Item(s) | 154.34m |
| | - 5.001 |
| | 147.87m |
| | - 5.002 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP5 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|



PP3

Type : Porous Paving

Dimensions

| | |
|--------------------------------|--------|
| Exceedance Level (m) | 71.047 |
| Depth (m) | 0.580 |
| Base Level (m) | 70.467 |
| Paving Layer Depth (mm) | 130 |
| Membrane Percolation (m/hr) | 1.0 |
| Porosity (%) | 30 |
| Length (m) | 65.075 |
| Long. Slope (1:X) | 20.00 |
| Width (m) | 10.449 |
| Total Volume (m ³) | 91.796 |

Inlets

Inlet

| | |
|--------------------|----------------|
| Inlet Type | Lateral Inflow |
| | 133.57m |
| | - 2.000 |
| | 120.48m |
| | - 2.000 |
| Incoming Item(s) | 231.63m |
| | - 2.001 |
| | 187.86m |
| | - 2.000 |
| Bypass Destination | (None) |
| Capacity Type | No Restriction |

Outlets

Outlet

| | |
|---------------------|----------------|
| Outgoing Connection | PP3 Outlet |
| Outlet Type | Free Discharge |

Advanced

| | |
|---------------------|------|
| Conductivity (m/hr) | 1.08 |
|---------------------|------|

| | | |
|---|--|-----------------------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | Checked by: Approved By: |

| Inflow Label | Connected To | Flow (L/s) | Runoff Method | Area (ha) | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|-------------------|--------------|------------|-----------------------|-----------|---------------------------|-----------------|------------------------------------|--------------------|
| 17.78m - 4.002 | S28 | | Time of Concentration | 0.002 | 100 | 0 | 100 | 0.002 |
| 24.60m - 5.002 | S22 | | Time of Concentration | 0.003 | 100 | 0 | 100 | 0.003 |
| 24.96m - 1.008 | S9 | | Time of Concentration | 0.002 | 100 | 0 | 100 | 0.002 |
| 26.22m - 2.000 | S23 | | Time of Concentration | 0.003 | 100 | 0 | 100 | 0.003 |
| 26.55m - 2.000 | S23 | | Time of Concentration | 0.003 | 100 | 10 | 110 | 0.003 |
| 27.52m - 5.001 | S21 | | Time of Concentration | 0.003 | 100 | 0 | 100 | 0.003 |
| 27.89m - 5.001 | S21 | | Time of Concentration | 0.003 | 100 | 0 | 100 | 0.003 |
| 29.70m - 2.002 | S25 | | Time of Concentration | 0.002 | 100 | 0 | 100 | 0.002 |
| 40m2 - 3.001 | S38 | | Time of Concentration | 0.004 | 100 | 0 | 100 | 0.004 |
| 40.24m - 2.001 | S24 | | Time of Concentration | 0.004 | 100 | 0 | 100 | 0.004 |
| 40.71m - 2.000 | S23 | | Time of Concentration | 0.004 | 100 | 0 | 100 | 0.004 |
| 45.71m - 1.006 | S19 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 46.19m - 5.001 | S21 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 47.41m - 1.005 | S19 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 48.15m - 1.001 | S2 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.002 | S3 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.002 | S3 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.007 | S8 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.010 | S13 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.011 | S13 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.013 | S16 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 1.014 | S16 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 2.000 | S23 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 2.000 | S23 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |

| | | | | | | | | |
|---|--|--|--|-------------|--------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | Date: 19/11/2025 | | | |  | |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | | | Designed by: CC | Checked by: | Approved By: | | | |
| | | | Motion: 84 North Street Guildford GU1 4AU | | | | | |

| | | | | | | | | |
|-------------------|-----|--|-----------------------|-------|-----|----|-----|-------|
| 48.15m - 5.000 | S20 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 48.15m - 6.000 | S30 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.005 |
| 50.66m - 1.000 | S1 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 1.001 | S2 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 1.002 | S3 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 1.009 | S10 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.002 | S28 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.002 | S28 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.002 | S28 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.002 | S28 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.002 | S28 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 4.003 | S29 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 50.66m - 6.002 | S32 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 51.58m - 7.000 | PP7 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 53.88m - 6.000 | S30 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 1.007 | S8 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 54.14m - 1.013 | S15 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 1.014 | S16 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 1.014 | S17 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 1.016 | S17 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.007 |
| 54.14m - 2.000 | S23 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 2.001 | S24 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 5.000 | S20 | | Time of Concentration | 0.005 | 100 | 0 | 100 | 0.005 |
| 54.14m - 5.000 | S20 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.14m - 6.001 | S31 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |
| 54.15m - 2.002 | S25 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 |

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|---|--|--|--|--|--|--------------------|--|--|-----------------------------|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | Date: 19/11/2025 | | | Designed by: CC | | | Checked by: Approved By: | |  |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | | | Motion: 84 North Street Guildford GU1 4AU | | | | | | | | |

| | | | | | | | | | | |
|-------------------|-----|--|-----------------------|-------|-----|----|-----|-------|--|--|
| 54.15m - 5.001 | S21 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 | | |
| 54.15m - 5.001 | S21 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 | | |
| 55.29m - 5.000 | S20 | | Time of Concentration | 0.006 | 100 | 0 | 100 | 0.006 | | |
| 55.60m - 1.001 | S2 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 55.60m - 1.009 | S10 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 55.60m - 6.002 | S32 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.23m - 1.007 | S8 | | Time of Concentration | 0.006 | 100 | 0 | 100 | 0.006 | | |
| 56.44m - 1.005 | S19 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 1.006 | S19 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 1.006 | S19 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 1.006 | S19 | | Time of Concentration | 0.005 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 4.002 | S28 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 4.002 | S28 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 56.44m - 4.002 | S28 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.55m - 3.001 | S38 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.55m - 3.001 | S38 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.95m - 6.001 | S32 | | Time of Concentration | 0.009 | 100 | 0 | 100 | 0.009 | | |
| 57.96m - 1.002 | S3 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 1.007 | S8 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 1.013 | S15 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 1.014 | S17 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 4.000 | S27 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 4.001 | S26 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 57.96m - 5.000 | S20 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |
| 58.13m - 1.008 | S9 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.006 | | |

| | | | | | | | | | | |
|---|--|--|--|--------------------|--|--|-----------------------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | Date: 19/11/2025 | Designed by: CC | | | Checked by: Approved By: | | |  |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | | | Motion: 84 North Street Guildford GU1 4AU | | | | | | | |

| | | | | | | | | | |
|-------------------|-----|--|-----------------------|-------|-----|----|-----|-------|--|
| 62.17m - 1.007 | S8 | | Time of Concentration | 0.006 | 100 | 0 | 100 | 0.006 | |
| 62.59m - 4.000 | S27 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.007 | |
| 63.02m - 5.001 | S21 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.007 | |
| 63.04m - 5.001 | S21 | | Time of Concentration | 0.006 | 100 | 10 | 110 | 0.007 | |
| 65.46m - 2.000 | S23 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.007 | |
| 66.03m - 4.002 | S28 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.007 | |
| 66.03m - 4.003 | S29 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.007 | |
| 67.51m - 1.012 | S14 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |
| 68.61m - 4.000 | S27 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 | |
| 71.91m - 6.000 | S30 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |
| 72.00m - 7.000 | S39 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |
| 73.53m - 2.000 | S23 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |
| 74.05m - 1.016 | S17 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 | |
| 74.05m - 1.016 | S44 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 | |
| 74.05m - 4.000 | S27 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 | |
| 74.05m - 6.001 | S31 | | Time of Concentration | 0.007 | 100 | 10 | 110 | 0.008 | |
| 74.55m - 1.015 | S17 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |
| 75.47m - 1.001 | S2 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 | |
| 75.60m - 1.015 | S17 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 | |
| 76.39m - 1.000 | S1 | | Time of Concentration | 0.008 | 100 | 10 | 110 | 0.008 | |
| 77.20m - 1.013 | S15 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 | |
| 78.04m - 6.000 | S30 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 | |
| 79.93m - 1.015 | S16 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 | |
| 80.64m - 4.000 | S27 | | Time of Concentration | 0.008 | 100 | 10 | 110 | 0.009 | |
| 81.15m - 4.003 | S8 | | Time of Concentration | 0.007 | 100 | 0 | 100 | 0.007 | |

| | | | | | | | | |
|---|--|--|--|-------------|--------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | Date: 19/11/2025 | | | |  | |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | | | Designed by: CC | Checked by: | Approved By: | | | |
| | | | Motion: 84 North Street Guildford GU1 4AU | | | | | |

| | | | | | | | | |
|--------------------|------|--|-----------------------|-------|-----|----|-----|-------|
| 81.23m - 2.000 | S23 | | Time of Concentration | 0.008 | 100 | 10 | 110 | 0.009 |
| 84.88m - 5.000 | S20 | | Time of Concentration | 0.008 | 100 | 0 | 100 | 0.008 |
| 91.82m - 1.006 | S19 | | Time of Concentration | 0.010 | 100 | 0 | 100 | 0.010 |
| 92.32m - 4.002 | S28 | | Time of Concentration | 0.009 | 100 | 0 | 100 | 0.009 |
| 92.56m - 4.002 | S28 | | Time of Concentration | 0.009 | 100 | 0 | 100 | 0.009 |
| 92.82m - 7.000 | PP6 | | Time of Concentration | 0.009 | 100 | 0 | 100 | 0.009 |
| 94.53m - 1.013 | PP4 | | Time of Concentration | 0.009 | 100 | 0 | 100 | 0.009 |
| 98.38m - 1.003 | S38 | | Time of Concentration | 0.010 | 100 | 10 | 110 | 0.011 |
| 102.48m - 2.000 | S23 | | Time of Concentration | 0.010 | 100 | 0 | 100 | 0.010 |
| 112.27m - 4.000 | S27 | | Time of Concentration | 0.011 | 100 | 0 | 100 | 0.011 |
| 115.47m - 5.002 | PP5 | | Time of Concentration | 0.012 | 100 | 0 | 100 | 0.012 |
| 120.48m - 2.000 | PP3 | | Time of Concentration | 0.012 | 100 | 0 | 100 | 0.012 |
| 122.37m - 6.002 | S14 | | Time of Concentration | 0.016 | 100 | 0 | 100 | 0.016 |
| 123.57m - 1.016 | S17 | | Time of Concentration | 0.012 | 100 | 0 | 100 | 0.012 |
| 128.25m - 3.000 | PP8 | | Time of Concentration | 0.013 | 100 | 0 | 100 | 0.013 |
| 128.31m - 3.000 | PP8 | | Time of Concentration | 0.013 | 100 | 0 | 100 | 0.013 |
| 130.76m - 1.006 | PP11 | | Time of Concentration | 0.012 | 100 | 0 | 100 | 0.012 |
| 133.57m - 2.000 | PP3 | | Time of Concentration | 0.013 | 100 | 0 | 100 | 0.013 |
| 138.58m - 1.000 | S1 | | Time of Concentration | 0.014 | 100 | 0 | 100 | 0.014 |
| 140m2 - 3.001 | S38 | | Time of Concentration | 0.014 | 100 | 0 | 100 | 0.014 |
| 143.61m - 1.016 | S44 | | Time of Concentration | 0.014 | 100 | 0 | 100 | 0.014 |
| 147.87m - 5.002 | PP5 | | Time of Concentration | 0.015 | 100 | 0 | 100 | 0.015 |
| 152.27m - 1.011 | S13 | | Time of Concentration | 0.015 | 100 | 0 | 100 | 0.015 |
| 154.34m - 5.001 | PP5 | | Time of Concentration | 0.015 | 100 | 0 | 100 | 0.015 |
| 174.04m - 4.000 | PP9 | | Time of Concentration | 0.017 | 100 | 0 | 100 | 0.017 |

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|---|--|--|---------------------|--------------------|--|--|---|--|--|--------------|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | Date: 19/11/2025 | Designed by: CC | | | Checked by: Motion: 84 North Street Guildford GU1 4AU | | | Approved By: | | |
| Report Details: Type: Inflow Summary Storm Phase: Surface Network 1 | | | | | | | | | | | | |

| | | | | | | | | |
|--------------------|------|------------|-----------------------|--------------|-----|---|-----|--------------|
| 187.59m - 1.010 | S13 | | Time of Concentration | 0.019 | 100 | 0 | 100 | 0.019 |
| 187.86m - 2.000 | PP3 | | Time of Concentration | 0.019 | 100 | 0 | 100 | 0.019 |
| 189.19m - 4.001 | S26 | | Time of Concentration | 0.019 | 100 | 0 | 100 | 0.019 |
| 203.16m - 1.013 | S16 | | Time of Concentration | 0.020 | 100 | 0 | 100 | 0.020 |
| 203.74m - 1.001 | S2 | | Time of Concentration | 0.020 | 100 | 0 | 100 | 0.020 |
| 206.67m - 5.001 | PP5 | | Time of Concentration | 0.021 | 100 | 0 | 100 | 0.021 |
| 206.75m - 7.000 | S39 | | Time of Concentration | 0.021 | 100 | 0 | 100 | 0.021 |
| 207.20m - 2.000 | S23 | | Time of Concentration | 0.021 | 100 | 0 | 100 | 0.021 |
| 220.69m - 1.016 | S17 | | Time of Concentration | 0.022 | 100 | 0 | 100 | 0.022 |
| 227.27m - 1.002 | S3 | | Time of Concentration | 0.023 | 100 | 0 | 100 | 0.023 |
| 231.63m - 2.001 | PP3 | | Time of Concentration | 0.024 | 100 | 0 | 100 | 0.024 |
| 239.52m - 1.007 | PP11 | | Time of Concentration | 0.025 | 100 | 0 | 100 | 0.025 |
| 260.34m - 1.000 | S1 | | Time of Concentration | 0.026 | 100 | 0 | 100 | 0.026 |
| 261.56m - 6.000 | S30 | | Time of Concentration | 0.026 | 100 | 0 | 100 | 0.026 |
| 267.49m - 2.003 | PP1 | | Time of Concentration | 0.025 | 100 | 0 | 100 | 0.025 |
| 273.47m - 1.014 | S17 | | Time of Concentration | 0.027 | 100 | 0 | 100 | 0.027 |
| 276.92m - 1.009 | S13 | | Time of Concentration | 0.028 | 100 | 0 | 100 | 0.028 |
| 355.32m - 1.016 | S45 | | Time of Concentration | 0.032 | 100 | 0 | 100 | 0.032 |
| 367.70m - 5.000 | S20 | | Time of Concentration | 0.037 | 100 | 0 | 100 | 0.037 |
| 426.77m - 1.016 | S41 | | Time of Concentration | 0.041 | 100 | 0 | 100 | 0.041 |
| 472.96m - 4.002 | S28 | | Time of Concentration | 0.047 | 100 | 0 | 100 | 0.047 |
| 660m2 - 1.016 | S47 | | Time of Concentration | 0.066 | 100 | 0 | 100 | 0.066 |
| TOTAL | | 0.0 | | 1.462 | | | | 1.502 |

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|--|---------------------|----------|-------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN | |
| Report Details: Type: Network Design Criteria Storm Phase: Surface Network 1 | Designed by: CC | | Checked by: |

Flow Options

| | |
|---------------------------|-------------------------------|
| Peak Flow Calculation | (UK) Modified Rational Method |
| Min. Time of Entry (mins) | 5 |
| Max. Travel Time (mins) | 30 |

FEH22 PD

Type: FEH

| | |
|-----------------------|------------------------------------|
| Site Location | GB 515628 133872 TQ 15628 33872 |
| Return Period (years) | 2.0 |
| Rainfall Version | 2022 |

Pipe Options

| | |
|-----------------------|--------------------------|
| Lock Slope Options | None |
| Design Options | Minimise Excavation |
| Design Level | Level Soffits |
| Min. Cover Depth (m) | 1.200 |
| Min. Slope (1:X) | 500.00 |
| Max. Slope (1:X) | 40.00 |
| Min. Velocity (m/s) | 1.0 |
| Max. Velocity (m/s) | 3.0 |
| Use Flow Restriction | <input type="checkbox"/> |
| Reduce Channel Depths | <input type="checkbox"/> |

Pipe Size Library

Default

| | |
|---------------------|----|
| Add. Increment (mm) | 75 |
| Max. Diameter (mm) | 0 |

| Diameter (mm) | Min. Slope (1:X) | Max. Slope (1:X) |
|---------------|------------------|------------------|
| 100 | 0.00 | 0.00 |
| 150 | 0.00 | 0.00 |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Network Design Criteria Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

Manhole Options

Apply Offset

Manhole Size Library

Default

Diameter / Width

| Connection (mm) | Diameter / Length (m) | Width (m) |
|-----------------|-----------------------|-----------|
| 0 | 1.200 | 0.000 |
| 375 | 1.350 | 0.000 |
| 500 | 1.500 | 0.000 |
| 0 | 0.000 | 0.000 |

Additional Sizing

| | |
|-----------------------|-------|
| Connection (mm) | 900 |
| Diameter / Length (m) | 0.900 |
| Width (m) | 0.000 |

Depth

| Depth (m) | Diameter / Length (m) | Width (m) |
|-----------|-----------------------|-----------|
| 0.000 | 1.050 | 0.000 |
| 1.500 | 1.200 | 0.000 |

Benching Requirements

| | |
|---------------------|-----|
| Landing Width (mm) | 500 |
| Benching Width (mm) | 225 |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Outfall Details Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |

Outfalls

| Outfall | Outfall Type | Fixed Surcharged Level (m) | Level Curve |
|--|------------------------|----------------------------|-------------|
| S35 | Fixed Surcharged Level | 63.960 | |
| FEH22 : 2 years: +0 %: 15 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 15 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 15 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 15 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 15 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 15 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 30 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 30 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 30 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 30 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 30 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 30 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 60 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 60 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 60 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 60 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 60 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 60 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 120 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 120 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 120 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 120 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 120 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 120 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 240 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 240 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 240 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 240 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 240 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 240 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 360 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 360 mins: Winter | | 63.960 | |
| FEH22 : 30 years: +40 %: 360 mins: Summer | | 63.960 | |
| FEH22 : 30 years: +40 %: 360 mins: Winter | | 63.960 | |
| FEH22 : 100 years: +45 %: 360 mins: Summer | | 63.960 | |
| FEH22 : 100 years: +45 %: 360 mins: Winter | | 63.960 | |
| FEH22 : 2 years: +0 %: 480 mins: Summer | | 63.960 | |
| FEH22 : 2 years: +0 %: 480 mins: Winter | | 63.960 | |

| | | |
|--|---------------------|--------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Outfall Details Storm Phase: Surface Network 1 | Designed by: CC | |
| Motion: 84 North Street Guildford GU1 4AU | Checked by: | Approved By: |

| | | |
|---|--|--------|
| FEH22 : 30 years: +40 %: 480 mins: Summer | | 63.960 |
| FEH22 : 30 years: +40 %: 480 mins: Winter | | 63.960 |
| FEH22 : 100 years: +45 %: 480 mins: Summer | | 63.960 |
| FEH22 : 100 years: +45 %: 480 mins: Winter | | 63.960 |
| FEH22 : 2 years: +0 %: 960 mins: Summer | | 63.960 |
| FEH22 : 2 years: +0 %: 960 mins: Winter | | 63.960 |
| FEH22 : 30 years: +40 %: 960 mins: Summer | | 63.960 |
| FEH22 : 30 years: +40 %: 960 mins: Winter | | 63.960 |
| FEH22 : 100 years: +45 %: 960 mins: Summer | | 63.960 |
| FEH22 : 100 years: +45 %: 960 mins: Winter | | 63.960 |
| FEH22 : 2 years: +0 %: 1440 mins: Summer | | 63.960 |
| FEH22 : 2 years: +0 %: 1440 mins: Winter | | 63.960 |
| FEH22 : 30 years: +40 %: 1440 mins: Summer | | 63.960 |
| FEH22 : 30 years: +40 %: 1440 mins: Winter | | 63.960 |
| FEH22 : 100 years: +45 %: 1440 mins: Summer | | 63.960 |
| FEH22 : 100 years: +45 %: 1440 mins: Winter | | 63.960 |

| | | |
|---|--|--------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Approved By: |
| Report Title: Rainfall Analysis Criteria | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



| | |
|---------------------------------|--------------------------|
| Runoff Type | Dynamic |
| Output Interval (mins) | 5 |
| Time Step | Default |
| Urban Creep | Use Catchment Values |
| Junction Flood Risk Margin (mm) | 0 |
| Perform No Discharge Analysis | <input type="checkbox"/> |

Rainfall

FEH22

Type: FEH

| | |
|------------------|-------------------------------------|
| Site Location | GB 516400 133950 TQ 16400 33950 |
| Rainfall Version | 2022 |
| Summer | <input checked="" type="checkbox"/> |
| Winter | <input checked="" type="checkbox"/> |

Return Period

| Return Period (years) | Increase Rainfall (%) |
|-----------------------|-----------------------|
| 2.0 | 0.000 |
| 30.0 | 40.000 |
| 100.0 | 45.000 |

Storm Durations

| Duration (mins) | Run Time (mins) |
|-----------------|-----------------|
| 15 | 30 |
| 30 | 60 |
| 60 | 120 |
| 120 | 240 |
| 240 | 480 |
| 360 | 720 |
| 480 | 960 |
| 960 | 1920 |
| 1440 | 2880 |

| | | | | | |
|---|--|--------------------|-------------|--------------|---|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | Designed by: CC | Checked by: | Approved By: |  |
| Report Title: UK and Ireland Rural Runoff Calculator | Motion: 84 North Street Guildford GU1 4AU | | | | |

FEH

Details

| | |
|------------------|---------------------------------|
| Site Location | GB 516400 133950 TQ 16400 33950 |
| Rainfall Version | 2022 |
| Data Type | Catchment |
| Area (ha) | 52.00 |
| SAAR (mm) | 784.0 |
| SPRHOST (%) | 46.18 |
| URBEXT 2000 | 0.125 |
| BFIHOST | 0.34 |
| FARL | 1.000 |

Results

| | |
|------------------|-------|
| QMED Rural (L/s) | 305.8 |
| QMED Urban (L/s) | 340.5 |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 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 |
|----------|--|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| S1 | FEH22: 2 years: +0 %: 15 mins: Summer | 77.425 | 76.075 | 76.137 | 0.062 | 11.1 | 0.109 | 0.000 | 10.7 | 4.829 | OK |
| S2 | FEH22: 2 years: +0 %: 15 mins: Summer | 76.428 | 75.078 | 75.142 | 0.064 | 20.0 | 0.114 | 0.000 | 19.3 | 8.850 | OK |
| S3 | FEH22: 2 years: +0 %: 15 mins: Summer | 73.577 | 72.227 | 72.291 | 0.065 | 28.7 | 0.115 | 0.000 | 27.9 | 12.896 | OK |
| S4 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.521 | 69.171 | 69.249 | 0.078 | 46.5 | 0.138 | 0.000 | 45.2 | 22.600 | OK |
| S7 | FEH22: 2 years: +0 %: 360 mins: Summer | 70.443 | 67.291 | 67.637 | 0.346 | 2.9 | 0.391 | 0.000 | 2.9 | 85.034 | Surcharged |
| S8 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.782 | 66.852 | 67.024 | 0.172 | 55.7 | 0.195 | 0.000 | 51.9 | 27.602 | OK |
| S9 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.939 | 66.586 | 66.781 | 0.195 | 75.4 | 0.220 | 0.000 | 71.1 | 38.777 | OK |
| S10 | FEH22: 2 years: +0 %: 480 mins: Summer | 69.670 | 66.504 | 66.768 | 0.264 | 20.6 | 0.299 | 0.000 | 20.3 | 229.363 | OK |
| S13 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.534 | 66.113 | 66.235 | 0.122 | 14.9 | 0.138 | 0.000 | 13.0 | 9.705 | OK |
| S14 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.726 | 65.984 | 66.131 | 0.147 | 34.8 | 0.166 | 0.000 | 33.9 | 19.364 | OK |
| S15 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.639 | 65.934 | 66.072 | 0.138 | 38.0 | 0.156 | 0.000 | 36.5 | 21.013 | OK |
| S16 | FEH22: 2 years: +0 %: 15 mins: Summer | 68.641 | 65.729 | 65.895 | 0.166 | 46.0 | 0.188 | 0.000 | 43.5 | 25.085 | OK |
| S17 | FEH22: 2 years: +0 %: 15 mins: Summer | 67.070 | 65.504 | 65.601 | 0.097 | 69.0 | 0.110 | 0.000 | 68.1 | 37.174 | OK |
| S19 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.980 | 67.069 | 67.134 | 0.065 | 9.0 | 0.074 | 0.000 | 8.4 | 6.261 | OK |
| S20 | FEH22: 2 years: +0 %: 15 mins: Summer | 74.063 | 72.713 | 72.779 | 0.066 | 15.2 | 0.116 | 0.000 | 14.9 | 6.601 | OK |
| S21 | FEH22: 2 years: +0 %: 15 mins: Summer | 73.176 | 71.826 | 71.896 | 0.069 | 22.3 | 0.122 | 0.000 | 21.6 | 9.814 | OK |
| S22 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.057 | 69.707 | 69.759 | 0.052 | 22.1 | 0.092 | 0.000 | 21.5 | 10.040 | OK |
| S23 | FEH22: 2 years: +0 %: 15 mins: Summer | 75.795 | 74.445 | 74.496 | 0.052 | 16.6 | 0.092 | 0.000 | 16.3 | 7.209 | OK |
| S24 | FEH22: 2 years: +0 %: 15 mins: Summer | 73.760 | 72.410 | 72.465 | 0.055 | 18.4 | 0.097 | 0.000 | 17.8 | 8.090 | OK |
| S25 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.951 | 70.601 | 70.658 | 0.057 | 19.6 | 0.100 | 0.000 | 19.1 | 8.834 | OK |

| | | |
|--|--|-----------------------------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | Checked by: Approved By: |

| | | | | | | | | | | | |
|-----|---------------------------------------|--------|--------|--------|-------|------|-------|-------|------|--------|----|
| S26 | FEH22: 2 years: +0 %: 15 mins: Summer | 74.483 | 73.133 | 73.198 | 0.065 | 15.2 | 0.115 | 0.000 | 14.7 | 6.785 | OK |
| S27 | FEH22: 2 years: +0 %: 15 mins: Summer | 75.354 | 74.004 | 74.055 | 0.051 | 10.1 | 0.091 | 0.000 | 9.9 | 4.394 | OK |
| S28 | FEH22: 2 years: +0 %: 15 mins: Summer | 74.123 | 72.573 | 72.663 | 0.090 | 38.6 | 0.159 | 0.000 | 37.7 | 17.141 | OK |
| S29 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.524 | 70.174 | 70.231 | 0.057 | 40.3 | 0.101 | 0.000 | 39.8 | 18.282 | OK |
| S30 | FEH22: 2 years: +0 %: 15 mins: Summer | 72.478 | 71.128 | 71.178 | 0.050 | 10.9 | 0.088 | 0.000 | 10.7 | 4.708 | OK |
| S31 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.683 | 70.236 | 70.296 | 0.060 | 13.6 | 0.106 | 0.000 | 13.2 | 5.962 | OK |
| S32 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.803 | 69.453 | 69.501 | 0.048 | 17.5 | 0.085 | 0.000 | 17.2 | 7.807 | OK |
| S33 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.047 | 69.697 | 69.781 | 0.084 | 19.4 | 0.149 | 0.000 | 18.4 | 9.430 | OK |
| S35 | FEH22: 2 years: +0 %: 15 mins: Summer | 63.960 | 62.960 | 63.960 | 1.000 | 3.1 | 0.000 | 0.000 | 3.1 | 2.882 | OK |
| S36 | FEH22: 2 years: +0 %: 15 mins: Summer | 67.711 | 65.618 | 65.764 | 0.146 | 49.3 | 0.165 | 0.000 | 47.5 | 27.850 | OK |
| S37 | FEH22: 2 years: +0 %: 30 mins: Summer | 69.453 | 68.103 | 68.119 | 0.016 | 0.6 | 0.029 | 0.000 | 0.6 | 0.662 | OK |
| S38 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.616 | 67.788 | 67.845 | 0.057 | 8.6 | 0.065 | 0.000 | 8.4 | 4.087 | OK |
| S39 | FEH22: 2 years: +0 %: 15 mins: Summer | 67.711 | 65.947 | 66.015 | 0.068 | 6.0 | 0.120 | 0.000 | 5.5 | 2.691 | OK |
| S44 | FEH22: 2 years: +0 %: 15 mins: Summer | 67.243 | 65.818 | 65.894 | 0.076 | 26.7 | 0.085 | 0.000 | 25.8 | 14.407 | OK |
| S43 | FEH22: 2 years: +0 %: 15 mins: Summer | 68.205 | 66.540 | 66.615 | 0.075 | 22.9 | 0.085 | 0.000 | 22.0 | 12.385 | OK |
| S41 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.109 | 66.703 | 66.829 | 0.126 | 24.3 | 0.142 | 0.000 | 22.9 | 12.409 | OK |
| S40 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.800 | 66.794 | 66.898 | 0.104 | 16.8 | 0.118 | 0.000 | 15.8 | 8.720 | OK |
| S45 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.065 | 66.887 | 66.994 | 0.107 | 18.0 | 0.121 | 0.000 | 16.8 | 8.743 | OK |
| S46 | FEH22: 2 years: +0 %: 15 mins: Summer | 70.524 | 67.063 | 67.142 | 0.079 | 12.7 | 0.090 | 0.000 | 11.3 | 5.871 | OK |
| S47 | FEH22: 2 years: +0 %: 15 mins: Summer | 68.535 | 67.410 | 67.498 | 0.088 | 13.6 | 0.099 | 0.000 | 12.7 | 5.910 | OK |

| | | |
|--|--|----------|
| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 30 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 |
|----------|--|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| S1 | FEH22: 30 years: +40 %: 15 mins: Summer | 77.425 | 76.075 | 76.246 | 0.171 | 34.9 | 0.302 | 0.000 | 29.6 | 15.076 | Surcharged |
| S2 | FEH22: 30 years: +40 %: 15 mins: Summer | 76.428 | 75.078 | 75.325 | 0.247 | 58.7 | 0.436 | 0.000 | 51.6 | 27.714 | Surcharged |
| S3 | FEH22: 30 years: +40 %: 15 mins: Summer | 73.577 | 72.227 | 72.343 | 0.117 | 80.9 | 0.207 | 0.000 | 79.8 | 40.402 | OK |
| S4 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.521 | 69.171 | 69.311 | 0.140 | 140.9 | 0.247 | 0.000 | 139.5 | 72.190 | OK |
| S7 | FEH22: 30 years: +40 %: 240 mins: Winter | 70.443 | 67.291 | 68.046 | 0.754 | 4.4 | 0.853 | 0.000 | 4.4 | 100.836 | Surcharged |
| S8 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.782 | 66.852 | 67.920 | 1.068 | 156.7 | 1.208 | 0.000 | 149.5 | 82.134 | Surcharged |
| S9 | FEH22: 30 years: +40 %: 480 mins: Winter | 69.939 | 66.586 | 67.240 | 0.654 | 31.7 | 0.740 | 0.000 | 31.3 | 514.409 | Surcharged |
| S10 | FEH22: 30 years: +40 %: 480 mins: Winter | 69.670 | 66.504 | 67.239 | 0.736 | 32.6 | 0.832 | 0.000 | 32.5 | 527.606 | Surcharged |
| S13 | FEH22: 30 years: +40 %: 15 mins: Summer | 69.534 | 66.113 | 67.128 | 1.015 | 46.8 | 1.148 | 0.000 | 28.2 | 25.954 | Surcharged |
| S14 | FEH22: 30 years: +40 %: 15 mins: Summer | 69.726 | 65.984 | 66.629 | 0.645 | 96.5 | 0.729 | 0.000 | 91.8 | 54.052 | Surcharged |
| S15 | FEH22: 30 years: +40 %: 15 mins: Summer | 69.639 | 65.934 | 66.534 | 0.600 | 104.8 | 0.679 | 0.000 | 100.5 | 59.485 | Surcharged |
| S16 | FEH22: 30 years: +40 %: 15 mins: Summer | 68.641 | 65.729 | 66.248 | 0.519 | 131.0 | 0.587 | 0.000 | 128.2 | 72.631 | Surcharged |
| S17 | FEH22: 30 years: +40 %: 15 mins: Summer | 67.070 | 65.504 | 65.688 | 0.185 | 211.5 | 0.209 | 0.000 | 209.5 | 111.024 | OK |
| S19 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.980 | 67.069 | 67.944 | 0.875 | 28.4 | 0.989 | 0.000 | 23.0 | 16.075 | Surcharged |
| S20 | FEH22: 30 years: +40 %: 15 mins: Summer | 74.063 | 72.713 | 73.018 | 0.305 | 47.8 | 0.540 | 0.000 | 40.4 | 20.717 | Surcharged |
| S21 | FEH22: 30 years: +40 %: 15 mins: Summer | 73.176 | 71.826 | 71.954 | 0.127 | 63.6 | 0.225 | 0.000 | 62.4 | 30.797 | OK |
| S22 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.057 | 69.707 | 69.797 | 0.091 | 64.0 | 0.160 | 0.000 | 63.1 | 31.473 | OK |
| S23 | FEH22: 30 years: +40 %: 15 mins: Summer | 75.795 | 74.445 | 74.541 | 0.097 | 52.2 | 0.171 | 0.000 | 51.4 | 22.623 | OK |
| S24 | FEH22: 30 years: +40 %: 15 mins: Summer | 73.760 | 72.410 | 72.513 | 0.103 | 57.9 | 0.182 | 0.000 | 56.6 | 25.417 | OK |
| S25 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.951 | 70.601 | 70.710 | 0.109 | 62.1 | 0.192 | 0.000 | 60.9 | 27.762 | OK |

| | | | | | | | | | | |
|--|--|--|--|--|---------------------|-------------|--------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | | | Date: 19/11/2025 | | | | |  |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | | | | | Designed by: CC | Checked by: | Approved By: | | | |
| Motion: 84 North Street Guildford GU1 4AU | | | | | | | | | | |

| | | | | | | | | | | | |
|-----|--|--------|--------|--------|-------|-------|-------|-------|-------|--------|------------|
| S26 | FEH22: 30 years: +40 %: 15 mins: Summer | 74.483 | 73.133 | 73.487 | 0.354 | 48.1 | 0.625 | 0.000 | 40.1 | 21.564 | Surcharged |
| S27 | FEH22: 30 years: +40 %: 15 mins: Summer | 75.354 | 74.004 | 74.108 | 0.104 | 31.7 | 0.183 | 0.000 | 31.2 | 13.755 | OK |
| S28 | FEH22: 30 years: +40 %: 15 mins: Summer | 74.123 | 72.573 | 72.761 | 0.188 | 115.0 | 0.332 | 0.000 | 112.4 | 54.013 | OK |
| S29 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.524 | 70.174 | 70.277 | 0.103 | 120.7 | 0.182 | 0.000 | 119.8 | 57.590 | OK |
| S30 | FEH22: 30 years: +40 %: 15 mins: Summer | 72.478 | 71.128 | 71.229 | 0.101 | 34.1 | 0.179 | 0.000 | 33.5 | 14.763 | OK |
| S31 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.683 | 70.236 | 70.371 | 0.136 | 42.7 | 0.240 | 0.000 | 41.0 | 18.715 | OK |
| S32 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.803 | 69.453 | 69.546 | 0.093 | 54.3 | 0.164 | 0.000 | 53.9 | 24.480 | OK |
| S33 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.047 | 69.697 | 69.882 | 0.185 | 63.2 | 0.327 | 0.000 | 59.9 | 30.636 | OK |
| S35 | FEH22: 30 years: +40 %: 15 mins: Summer | 63.960 | 62.960 | 63.960 | 1.000 | 8.4 | 0.000 | 0.000 | 8.4 | 9.676 | OK |
| S36 | FEH22: 30 years: +40 %: 15 mins: Summer | 67.711 | 65.618 | 65.898 | 0.280 | 146.2 | 0.317 | 0.000 | 143.8 | 81.709 | OK |
| S37 | FEH22: 30 years: +40 %: 30 mins: Summer | 69.453 | 68.103 | 68.135 | 0.032 | 2.5 | 0.057 | 0.000 | 2.5 | 2.336 | OK |
| S38 | FEH22: 30 years: +40 %: 240 mins: Winter | 69.616 | 67.788 | 68.056 | 0.269 | 5.6 | 0.304 | 0.000 | 5.6 | 32.084 | Surcharged |
| S39 | FEH22: 30 years: +40 %: 15 mins: Summer | 67.711 | 65.947 | 66.133 | 0.186 | 19.3 | 0.329 | 0.000 | 16.5 | 8.501 | Surcharged |
| S44 | FEH22: 30 years: +40 %: 15 mins: Summer | 67.243 | 65.818 | 65.954 | 0.136 | 72.9 | 0.154 | 0.000 | 71.6 | 45.365 | OK |
| S43 | FEH22: 30 years: +40 %: 15 mins: Summer | 68.205 | 66.540 | 66.674 | 0.134 | 59.6 | 0.152 | 0.000 | 58.4 | 39.058 | OK |
| S41 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.109 | 66.703 | 67.124 | 0.421 | 62.9 | 0.476 | 0.000 | 59.6 | 39.084 | Surcharged |
| S40 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.800 | 66.794 | 67.216 | 0.422 | 40.6 | 0.478 | 0.000 | 40.4 | 27.483 | Surcharged |
| S45 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.065 | 66.887 | 67.339 | 0.452 | 47.3 | 0.511 | 0.000 | 40.6 | 27.493 | Surcharged |
| S46 | FEH22: 30 years: +40 %: 15 mins: Summer | 70.524 | 67.063 | 67.437 | 0.374 | 33.9 | 0.423 | 0.000 | 28.2 | 18.489 | Surcharged |
| S47 | FEH22: 30 years: +40 %: 15 mins: Summer | 68.535 | 67.410 | 67.605 | 0.195 | 42.7 | 0.221 | 0.000 | 33.9 | 18.351 | OK |

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | Designed by: CC Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 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 |
|----------|---|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| S1 | FEH22: 100 years: +45 %: 15 mins: Summer | 77.425 | 76.075 | 76.763 | 0.688 | 45.7 | 1.215 | 0.000 | 30.6 | 19.764 | Surcharged |
| S2 | FEH22: 100 years: +45 %: 15 mins: Summer | 76.428 | 75.078 | 75.798 | 0.720 | 68.7 | 1.273 | 0.000 | 55.5 | 36.350 | Surcharged |
| S3 | FEH22: 100 years: +45 %: 15 mins: Summer | 73.577 | 72.227 | 72.356 | 0.129 | 93.9 | 0.228 | 0.000 | 92.7 | 52.989 | OK |
| S4 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.521 | 69.171 | 69.324 | 0.153 | 166.4 | 0.270 | 0.000 | 164.0 | 94.907 | OK |
| S7 | FEH22: 100 years: +45 %: 360 mins: Winter | 70.443 | 67.291 | 68.222 | 0.930 | 4.6 | 1.052 | 0.000 | 4.6 | 164.897 | Surcharged |
| S8 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.782 | 66.852 | 68.476 | 1.624 | 179.3 | 1.836 | 0.000 | 170.9 | 105.462 | Surcharged |
| S9 | FEH22: 100 years: +45 %: 15 mins: Summer | 69.939 | 66.586 | 67.535 | 0.949 | 260.7 | 1.073 | 0.000 | 251.6 | 150.302 | Surcharged |
| S10 | FEH22: 100 years: +45 %: 480 mins: Winter | 69.670 | 66.504 | 67.436 | 0.932 | 41.9 | 1.054 | 0.000 | 41.8 | 649.440 | Surcharged |
| S13 | FEH22: 100 years: +45 %: 15 mins: Summer | 69.534 | 66.113 | 67.719 | 1.606 | 61.4 | 1.817 | 0.000 | 35.4 | 32.905 | Surcharged |
| S14 | FEH22: 100 years: +45 %: 15 mins: Summer | 69.726 | 65.984 | 66.997 | 1.013 | 115.7 | 1.145 | 0.000 | 109.6 | 68.785 | Surcharged |
| S15 | FEH22: 100 years: +45 %: 15 mins: Summer | 69.639 | 65.934 | 66.867 | 0.933 | 126.6 | 1.055 | 0.000 | 121.1 | 75.946 | Surcharged |
| S16 | FEH22: 100 years: +45 %: 15 mins: Summer | 68.641 | 65.729 | 66.470 | 0.741 | 161.3 | 0.838 | 0.000 | 157.4 | 93.264 | Surcharged |
| S17 | FEH22: 100 years: +45 %: 15 mins: Summer | 67.070 | 65.504 | 65.719 | 0.215 | 267.6 | 0.243 | 0.000 | 265.6 | 143.694 | OK |
| S19 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.980 | 67.069 | 68.522 | 1.453 | 37.2 | 1.643 | 0.000 | 28.5 | 20.461 | Surcharged |
| S20 | FEH22: 100 years: +45 %: 15 mins: Summer | 74.063 | 72.713 | 73.542 | 0.829 | 62.7 | 1.465 | 0.000 | 49.8 | 27.163 | Surcharged |
| S21 | FEH22: 100 years: +45 %: 15 mins: Summer | 73.176 | 71.826 | 71.975 | 0.149 | 80.3 | 0.263 | 0.000 | 78.6 | 40.377 | OK |
| S22 | FEH22: 100 years: +45 %: 15 mins: Summer | 71.057 | 69.707 | 69.811 | 0.104 | 80.7 | 0.184 | 0.000 | 79.4 | 41.240 | OK |
| S23 | FEH22: 100 years: +45 %: 15 mins: Summer | 75.795 | 74.445 | 74.558 | 0.114 | 68.4 | 0.201 | 0.000 | 67.5 | 29.664 | OK |
| S24 | FEH22: 100 years: +45 %: 15 mins: Summer | 73.760 | 72.410 | 72.532 | 0.122 | 76.0 | 0.216 | 0.000 | 74.0 | 33.323 | OK |
| S25 | FEH22: 100 years: +45 %: 15 mins: Winter | 71.951 | 70.601 | 70.727 | 0.126 | 76.7 | 0.222 | 0.000 | 75.1 | 36.392 | OK |

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|--|--|--|--|--|---------------------|-------------|--------------|--|--|--|
| Land to the east of Tilletts Lane, Warnham: | | | | | Date: 19/11/2025 | | | | |  |
| Report Details: Type: Junctions Summary Storm Phase: Surface Network 1 | | | | | Designed by: CC | Checked by: | Approved By: | | | |
| Motion: 84 North Street Guildford GU1 4AU | | | | | | | | | | |

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|-----|--|--------|--------|--------|-------|-------|-------|-------|-------|---------|------------|
| S26 | FEH22: 100 years: +45 %: 15 mins: Summer | 74.483 | 73.133 | 73.810 | 0.677 | 53.4 | 1.196 | 0.000 | 44.2 | 28.840 | Surcharged |
| S27 | FEH22: 100 years: +45 %: 15 mins: Summer | 75.354 | 74.004 | 74.408 | 0.404 | 41.6 | 0.714 | 0.000 | 31.1 | 18.024 | Surcharged |
| S28 | FEH22: 100 years: +45 %: 15 mins: Summer | 74.123 | 72.573 | 72.981 | 0.407 | 142.5 | 0.720 | 0.000 | 123.7 | 70.872 | Surcharged |
| S29 | FEH22: 100 years: +45 %: 15 mins: Winter | 71.524 | 70.174 | 70.287 | 0.113 | 140.1 | 0.199 | 0.000 | 139.2 | 75.604 | OK |
| S30 | FEH22: 100 years: +45 %: 15 mins: Summer | 72.478 | 71.128 | 71.321 | 0.193 | 44.7 | 0.341 | 0.000 | 36.9 | 19.352 | Surcharged |
| S31 | FEH22: 100 years: +45 %: 15 mins: Summer | 71.683 | 70.236 | 70.621 | 0.386 | 48.9 | 0.682 | 0.000 | 44.2 | 24.557 | Surcharged |
| S32 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.803 | 69.453 | 69.555 | 0.102 | 61.7 | 0.180 | 0.000 | 61.4 | 32.116 | OK |
| S33 | FEH22: 100 years: +45 %: 15 mins: Summer | 71.047 | 69.697 | 70.082 | 0.386 | 84.3 | 0.681 | 0.000 | 71.8 | 40.409 | Surcharged |
| S35 | FEH22: 100 years: +45 %: 15 mins: Summer | 63.960 | 62.960 | 63.960 | 1.000 | 8.6 | 0.000 | 0.000 | 8.6 | 10.332 | OK |
| S36 | FEH22: 100 years: +45 %: 15 mins: Summer | 67.711 | 65.618 | 65.951 | 0.333 | 181.7 | 0.376 | 0.000 | 178.9 | 105.249 | OK |
| S37 | FEH22: 100 years: +45 %: 360 mins: Winter | 69.453 | 68.103 | 68.234 | 0.130 | 0.7 | 0.231 | 0.000 | 0.7 | 6.529 | OK |
| S38 | FEH22: 100 years: +45 %: 360 mins: Winter | 69.616 | 67.788 | 68.233 | 0.445 | 5.3 | 0.504 | 0.000 | 5.1 | 45.170 | Surcharged |
| S39 | FEH22: 100 years: +45 %: 15 mins: Summer | 67.711 | 65.947 | 66.267 | 0.320 | 25.4 | 0.565 | 0.000 | 22.2 | 11.161 | Surcharged |
| S44 | FEH22: 100 years: +45 %: 15 mins: Summer | 67.243 | 65.818 | 65.981 | 0.163 | 93.9 | 0.185 | 0.000 | 91.4 | 59.459 | OK |
| S43 | FEH22: 100 years: +45 %: 30 mins: Summer | 68.205 | 66.540 | 66.704 | 0.164 | 76.0 | 0.186 | 0.000 | 75.8 | 68.956 | OK |
| S41 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.109 | 66.703 | 67.431 | 0.728 | 82.7 | 0.824 | 0.000 | 77.1 | 51.306 | Surcharged |
| S40 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.800 | 66.794 | 67.579 | 0.785 | 54.2 | 0.888 | 0.000 | 49.3 | 36.080 | Surcharged |
| S45 | FEH22: 100 years: +45 %: 15 mins: Summer | 71.065 | 66.887 | 67.773 | 0.886 | 62.4 | 1.002 | 0.000 | 54.2 | 36.089 | Surcharged |
| S46 | FEH22: 100 years: +45 %: 15 mins: Summer | 70.524 | 67.063 | 67.913 | 0.850 | 44.5 | 0.961 | 0.000 | 35.0 | 24.273 | Surcharged |
| S47 | FEH22: 100 years: +45 %: 15 mins: Summer | 68.535 | 67.410 | 68.318 | 0.908 | 55.9 | 1.027 | 0.000 | 44.5 | 24.100 | Surcharged |

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 2 years: Increase Rainfall (%): +0: 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 (%) |
|--------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Basin 2 | FEH22: 2 years: +0 %: 480 mins: Summer | 66.768 | 66.768 | 0.368 | 0.368 | 20.3 | 94.373 | 0.000 | 0.000 | 5.5 | 211.125 | | 77.736 |
| Basin 3 | FEH22: 2 years: +0 %: 960 mins: Summer | 64.765 | 64.765 | 0.265 | 0.265 | 18.2 | 136.341 | 0.000 | 0.000 | 8.3 | 458.941 | | 82.995 |
| Basin 1 | FEH22: 2 years: +0 %: 360 mins: Summer | 67.642 | 67.642 | 0.242 | 0.242 | 15.5 | 51.650 | 0.000 | 0.000 | 2.9 | 85.105 | | 85.665 |
| PP1 | FEH22: 2 years: +0 %: 1440 mins: Summer | 72.881 | 69.950 | 0.105 | 0.009 | 0.5 | 8.099 | 0.000 | 0.000 | 0.1 | 2.195 | | 80.261 |
| PP8 | FEH22: 2 years: +0 %: 1440 mins: Winter | 70.375 | 68.880 | 0.126 | 0.007 | 0.3 | 7.987 | 0.000 | 0.000 | 0.1 | 3.193 | | 77.380 |
| PP9 | FEH22: 2 years: +0 %: 1440 mins: Winter | 78.209 | 73.908 | 0.053 | 0.005 | 0.2 | 5.731 | 0.000 | 0.000 | 0.0 | 1.497 | | 90.206 |
| PP11 | FEH22: 2 years: +0 %: 1440 mins: Summer | 71.985 | 69.097 | 0.138 | 0.008 | 0.7 | 12.122 | 0.000 | 0.000 | 0.1 | 3.366 | | 74.115 |
| PP2 | FEH22: 2 years: +0 %: 15 mins: Summer | 71.341 | 68.954 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP10 | FEH22: 2 years: +0 %: 15 mins: Summer | 69.952 | 69.146 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP4 | FEH22: 2 years: +0 %: 1440 mins: Summer | 68.963 | 68.068 | 0.152 | 0.007 | 0.2 | 2.493 | 0.000 | 0.000 | 0.1 | 1.669 | | 75.377 |
| PP6 | FEH22: 2 years: +0 %: 1440 mins: Winter | 68.030 | 67.136 | 0.149 | 0.005 | 0.1 | 2.435 | 0.000 | 0.000 | 0.0 | 1.626 | | 75.950 |
| PP7 | FEH22: 2 years: +0 %: 1440 mins: Summer | 67.762 | 67.136 | 0.131 | 0.005 | 0.1 | 0.996 | 0.000 | 0.000 | 0.1 | 1.286 | | 85.249 |
| PP5 | FEH22: 2 years: +0 %: 1440 mins: Summer | 72.450 | 69.371 | 0.128 | 0.012 | 1.1 | 20.361 | 0.000 | 0.000 | 0.2 | 5.552 | | 76.057 |
| PP3 | FEH22: 2 years: +0 %: 1440 mins: Winter | 73.852 | 70.478 | 0.131 | 0.011 | 0.8 | 22.449 | 0.000 | 0.000 | 0.2 | 6.059 | | 75.544 |

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

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

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 |  |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 30 years: Increase Rainfall (%): +40: 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 (%) |
|--------------------|---|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Basin 2 | FEH22: 30 years: +40 %: 480 mins: Winter | 67.239 | 67.239 | 0.839 | 0.839 | 32.5 | 259.747 | 0.000 | 0.000 | 8.6 | 383.055 | 210 | 38.721 |
| Basin 3 | FEH22: 30 years: +40 %: 1440 mins: Summer | 65.341 | 65.341 | 0.841 | 0.841 | 31.6 | 510.117 | 0.000 | 0.000 | 8.6 | 1170.948 | 750 | 36.375 |
| Basin 1 | FEH22: 30 years: +40 %: 240 mins: Winter | 68.056 | 68.056 | 0.656 | 0.656 | 36.2 | 163.298 | 0.000 | 0.000 | 4.4 | 101.662 | | 54.679 |
| PP1 | FEH22: 30 years: +40 %: 1440 mins: Summer | 73.030 | 69.954 | 0.254 | 0.013 | 1.1 | 19.537 | 0.000 | 0.000 | 0.2 | 5.474 | | 52.384 |
| PP8 | FEH22: 30 years: +40 %: 1440 mins: Winter | 70.553 | 68.884 | 0.303 | 0.011 | 0.8 | 19.116 | 0.000 | 0.000 | 0.2 | 8.059 | | 45.860 |
| PP9 | FEH22: 30 years: +40 %: 1440 mins: Summer | 78.284 | 73.912 | 0.127 | 0.009 | 0.8 | 13.758 | 0.000 | 0.000 | 0.2 | 3.643 | | 76.487 |
| PP11 | FEH22: 30 years: +40 %: 1440 mins: Summer | 72.181 | 69.101 | 0.334 | 0.011 | 1.7 | 29.249 | 0.000 | 0.000 | 0.3 | 8.337 | | 37.541 |
| PP2 | FEH22: 30 years: +40 %: 15 mins: Summer | 71.341 | 68.954 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP10 | FEH22: 30 years: +40 %: 15 mins: Summer | 69.952 | 69.146 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP4 | FEH22: 30 years: +40 %: 1440 mins: Summer | 69.177 | 68.071 | 0.366 | 0.010 | 0.4 | 5.866 | 0.000 | 0.000 | 0.1 | 4.286 | 1435 | 42.065 |
| PP6 | FEH22: 30 years: +40 %: 1440 mins: Summer | 68.243 | 67.141 | 0.362 | 0.010 | 0.4 | 5.796 | 0.000 | 0.000 | 0.1 | 4.229 | 1325 | 42.757 |
| PP7 | FEH22: 30 years: +40 %: 1440 mins: Winter | 67.944 | 67.137 | 0.313 | 0.006 | 0.1 | 2.362 | 0.000 | 0.000 | 0.1 | 3.240 | | 65.005 |
| PP5 | FEH22: 30 years: +40 %: 1440 mins: Winter | 72.632 | 69.375 | 0.310 | 0.016 | 1.8 | 49.172 | 0.000 | 0.000 | 0.4 | 13.756 | | 42.180 |
| PP3 | FEH22: 30 years: +40 %: 1440 mins: Summer | 74.037 | 70.488 | 0.316 | 0.021 | 3.1 | 53.983 | 0.000 | 0.000 | 0.6 | 14.894 | | 41.192 |

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

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

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 |  |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |



FEH22: 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 (%) |
|--------------------|--|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Basin 2 | FEH22: 100 years: +45 %: 480 mins: Winter | 67.436 | 67.436 | 1.036 | 1.036 | 41.8 | 344.839 | 0.000 | 0.000 | 9.7 | 436.149 | | 18.646 |
| Basin 3 | FEH22: 100 years: +45 %: 1440 mins: Summer | 65.615 | 65.615 | 1.115 | 1.115 | 40.4 | 728.220 | 0.000 | 0.000 | 8.6 | 1220.318 | | 9.172 |
| Basin 1 | FEH22: 100 years: +45 %: 360 mins: Winter | 68.233 | 68.233 | 0.833 | 0.833 | 34.0 | 220.680 | 0.000 | 0.000 | 4.6 | 165.811 | 165 | 38.754 |
| PP1 | FEH22: 100 years: +45 %: 1440 mins: Winter | 73.111 | 69.953 | 0.336 | 0.012 | 0.9 | 25.705 | 0.000 | 0.000 | 0.2 | 7.279 | | 37.353 |
| PP8 | FEH22: 100 years: +45 %: 1440 mins: Winter | 70.647 | 68.886 | 0.397 | 0.013 | 1.0 | 24.968 | 0.000 | 0.000 | 0.3 | 10.780 | | 29.285 |
| PP9 | FEH22: 100 years: +45 %: 1440 mins: Summer | 78.324 | 73.914 | 0.167 | 0.011 | 1.0 | 18.075 | 0.000 | 0.000 | 0.2 | 4.804 | | 69.110 |
| PP11 | FEH22: 100 years: +45 %: 1440 mins: Winter | 72.286 | 69.101 | 0.439 | 0.011 | 1.4 | 37.595 | 0.226 | 0.000 | 0.3 | 12.240 | | 19.719 |
| PP2 | FEH22: 100 years: +45 %: 15 mins: Summer | 71.341 | 68.954 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP10 | FEH22: 100 years: +45 %: 15 mins: Summer | 69.952 | 69.146 | 0.000 | 0.000 | 0.0 | 0.000 | 0.000 | 0.000 | 0.0 | 0.000 | | 100.000 |
| PP4 | FEH22: 100 years: +45 %: 1440 mins: Winter | 69.391 | 68.070 | 0.580 | 0.009 | 0.4 | 6.851 | 0.038 | 0.000 | 0.1 | 6.420 | | 32.340 |
| PP6 | FEH22: 100 years: +45 %: 1440 mins: Winter | 68.461 | 67.140 | 0.580 | 0.009 | 0.4 | 6.835 | 0.031 | 0.000 | 0.1 | 6.157 | | 32.492 |
| PP7 | FEH22: 100 years: +45 %: 1440 mins: Summer | 68.033 | 67.140 | 0.402 | 0.009 | 0.3 | 3.035 | 0.000 | 0.000 | 0.2 | 4.295 | | 55.036 |
| PP5 | FEH22: 100 years: +45 %: 1440 mins: Summer | 72.729 | 69.381 | 0.407 | 0.022 | 3.7 | 64.516 | 0.000 | 0.000 | 0.7 | 18.241 | | 24.137 |
| PP3 | FEH22: 100 years: +45 %: 1440 mins: Summer | 74.136 | 70.491 | 0.415 | 0.024 | 4.0 | 70.865 | 0.004 | 0.000 | 0.8 | 19.760 | | 22.801 |

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| Land to the east of Tilletts Lane, Warnham: | Date: 19/11/2025 | I DRN |
| Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1 | Designed by: CC | |
| | Motion: 84 North Street Guildford GU1 4AU | |

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

Appendix D

Updated Motion drawing number 2404044-0500-P08 [Drainage Strategy]

