



# RIDGE

**CRABBET PARK, OFFICE TO RESIDENTIAL**

**ADDITIONAL INFORMATION TO  
DISCHARGE PLANNING CONDITION 3**

MAY 2026

# CRABBET PARK, OFFICE TO RESIDENTIAL

**5033004-RDG-XX-XX-T-C-300002**

## Prepared for

Steel Frame Systems Ltd  
Crabbet Park,  
Turners Hill Road  
Crawley  
RH10 4ST

## Prepared by

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VERSION CONTROL

| VERSION | DATE       | DESCRIPTION                                               | CREATED BY | REVIEWED BY |
|---------|------------|-----------------------------------------------------------|------------|-------------|
| P01     | 14/05/2026 | Additional information to discharge of planning condition | TW         | PCh         |
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## 1. AIM

The purpose of this statement is to provide additional information to address the responses to discharge of Planning Condition 3 contained within further information request planning application DM/26/0846 dated 30<sup>th</sup> April 2026.

The document is a supplementary technical note that should be read in conjunction with the original discharge of planning condition 3 report 5033004-RDG-XX-XX-T-C-300001 found within **Appendix A**.

## 2. ADDITIONAL INFORMATION FOR PLANNING CONDITION 3

*The flood risk and drainage team have reviewed the submitted information and have the following comments: 'It is proposed for surface water to discharge into an existing surface water sewer via filter trench drains. It is proposed for foul water to discharge into an existing foul water sewer.'*

- 1. The discharge rate should be set as close as reasonably practicable to the greenfield runoff rate for the contributing site area being attenuated.*
- 2. Correspondence with the Water Authority is required to confirm the acceptability of both the surface water and foul water proposals. We would suggest that Thames Water are consulted on this application, we cannot access any information as to whether they have been at this stage.*
- 3. Design exceedance flow routes should be clearly shown on the proposed drainage layout.*
- 4. A management and maintenance plan should be provided.*
- 5. An allowance of 10% urban creep should be applied within the drainage calculations.*
- 6. Details should be provided to demonstrate that adequate water quality treatment is being achieved, in accordance with the CIRIA SuDS Manual.*

## 3. RIDGE RESPONSE

***1: The discharge rate should be set as close as reasonably practicable to the greenfield runoff rate for the contributing site area being attenuated.***

In accordance with CIRIA SuDS Manual, the minimum orifice size for filtration-based drainage systems should be 20mm to reduce risk of blockages. The original proposal incorporated a 25mm orifice which we have reduced to 20mm with the surface water hydraulic model updated. This is the lowest possible rate of surface water discharge for the scheme, but with this amendment minor flooding of 0.54m<sup>3</sup> occurs within one of the filter trench drains for the 1 in 100 year + 40%cc storm event. A breakdown of the proposed flow against existing can be summarised in Table 1 and the below ground drainage strategy drawing.

*Table 1 – Existing & Proposed Surface Water Flow Rates*

|                                    | 1 IN 2 YEAR | 1 IN 30 YEAR | 1 IN 100 YEAR | 1 IN 100 YEAR +40% CC |
|------------------------------------|-------------|--------------|---------------|-----------------------|
| Existing SW Flow Rate (l/s)        | 3.5         | 7.9          | 10.1          | 13.6                  |
| <b>Proposed SW Flow Rate (l/s)</b> | <b>0.5</b>  | <b>0.6</b>   | <b>0.7</b>    | <b>0.8</b>            |
| Greenfield Runoff Rate (l/s)       | 0.1         | 0.3          | 0.4           | -                     |



***2: Correspondence with the Water Authority is required to confirm the acceptability of both the surface water and foul water proposals. We would suggest that Thames Water are consulted on this application, we cannot access any information as to whether they have been at this stage.***

The existing property currently drains into separate Thames Water foul and surface water assets. The proposed drainage strategy follows the same design philosophy and therefore would not typically require consultation with Thames Water as there is no increase in FW load from the property. In addition Thames Water recommends that pre-planning enquiries are only considered for developments that consist of 10 or more properties.

***3: Design exceedance flow routes should be clearly shown on the proposed drainage layout.***

Exceedance flow paths have been added onto the proposed drainage strategy drawing – refer to the below ground drainage strategy in **Appendix B**.

***4: A management and maintenance plan should be provided.***

## **4. MAINTENANCE PLAN**

All below ground drainage systems require regular maintenance to ensure they operate correctly. The drainage networks should be regularly inspected for blockages and cleared of unwanted debris/silt which will ensure performance and decrease the likelihood of future repairs.

This schedule details the following:

- Maintenance requirements and a suggested maintenance record.
- Explanation of the consequences of not carrying out the maintenance that is specified.
- Identification of areas where certain activities are prohibited (for example stockpiling materials on pervious surfaces).
- An action plan for dealing with accidental spillages

### **4.1. Responsibilities**

During the construction phase of the development, the contractor is responsible for protecting the drainage system and undertaking any maintenance as needed.

Post construction, the dwelling owner has responsibility for ensuring the below ground drainage system is maintained.

Any new drainage associated with the development will remain within private ownership.

### **4.2. Health and Safety**

To comply with the Construction (Design and Management) Regulations (CDM) 2015, designers must assess all foreseeable risks during construction and maintenance and the designer must minimise them by the following (in order of preference):

1. Avoid.
2. Reduce.
3. Identify and mitigate residual risks.

## 4.3. Operation and Maintenance Plan

### 4.3.1. Construction Phase

Appropriate measures shall be taken to protect the surface water drainage system during construction and surface water runoff. These measures shall be developed by the contractor, but as a minimum shall include:

- All foul water and surface water drains downstream of the site works as well as the relevant water authority will be identified.
- Underground services will be investigated and identified to avoid damage to them.
- All containers and tanks will have clear notices of their contents and how to handle them.
- Stockpiled material will be protected to reduce rainwater infiltration.
- Materials shall not be stockpiled over permeable paving unless a suitable temporary membrane is provided to ensure materials do not block voids in the paving construction.
- In the event of a spillage, Health and safety consideration are a priority and addressing accidental spillages should only be attempted if the nature of the spillage is known and any potential hazardous properties understood. The source of the spillage should be stopped, with excess surface spillage removed by suction tank or absorption matts. Silt traps and sumps should be emptied by suction tanker. Any areas of affected permeable paving should have the surface and laying course removed with the surfacing blocks cleaned and re-laid on new bedding material. Heavy pollution of the subbase will require removal and replacement of the sub-base.
- Heavy loads shall not be permitted in areas where cellular storage crates are located.
- All works should be constructed in accordance with Best Practice, British Standards and CIRIA documents C753 and C768.

## 4.4. Operational Phase

There are four categories for maintenance activities:

1. Regular maintenance.
2. Occasional maintenance.
3. Remedial maintenance.
4. Monitoring

Regular maintenance consists of basic tasks done on a frequent schedule, including vegetation management, litter and debris removal, and inspections.

Occasional maintenance comprises tasks that are likely to be required periodically, but on a less frequent basis than the regular tasks (e.g. sediment removal or filter replacement).

Remedial maintenance describes the intermittent tasks that may be required to rectify faults associated with the system, although the likelihood of faults can be minimised by good design, construction and regular maintenance activities. Where remedial work is found to be necessary, it is likely to be due to site-specific characteristics or unforeseen events, and so timings are difficult to predict. Remedial maintenance can comprise activities such as:

- inlet/outlet repairs
- erosion repairs
- reinstatement or realignment of edgings, barriers, rip-rap or other erosion control
- infiltration surface rehabilitation
- replacement of blocked filter fabrics

- construction stage sediment removal (although this activity should have been undertaken before the start of the maintenance contract)
- system rehabilitation immediately following a pollution event.

It is important to note that these remedial activities will not be required for all systems, but for the purpose of estimating whole life maintenance costs, a contingency sum of 15-20% should be added to the annual regular and occasional maintenance costs to cover the risk of these activities being required. Table 32.1 of the CIRIA SuDS Manual (C753), indicates typical key SuDS components operation and maintenance activities as shown below in Figure 1.

Monitoring consists of inspection only to assess performance.

| <b>TABLE 32.1 Typical key SuDS components operation and maintenance activities (for full specifications, see Chapters 11–23)</b> |                |         |                 |                    |          |                     |              |                 |                   |                          |              |             |                               |
|----------------------------------------------------------------------------------------------------------------------------------|----------------|---------|-----------------|--------------------|----------|---------------------|--------------|-----------------|-------------------|--------------------------|--------------|-------------|-------------------------------|
| Operation and maintenance activity                                                                                               | SuDS component |         |                 |                    |          |                     |              |                 |                   |                          |              |             |                               |
|                                                                                                                                  | Pond           | Wetland | Detention basin | Infiltration basin | Soakaway | Infiltration trench | Filter drain | Modular storage | Pervious pavement | Swale/bioretention/trees | Filter strip | Green roofs | Proprietary treatment systems |
| <b>Regular maintenance</b>                                                                                                       |                |         |                 |                    |          |                     |              |                 |                   |                          |              |             |                               |
| Inspection                                                                                                                       | ■              | ■       | ■               | ■                  | ■        | ■                   | ■            | ■               | ■                 | ■                        | ■            | ■           | ■                             |
| Litter and debris removal                                                                                                        | ■              | ■       | ■               | ■                  | □        | ■                   | ■            | □               | ■                 | ■                        | ■            |             | □                             |
| Grass cutting                                                                                                                    | ■              | ■       | ■               | ■                  | □        | ■                   | ■            | □               | □                 | ■                        | ■            |             |                               |
| Weed and invasive plant control                                                                                                  | □              | □       | □               | □                  |          | □                   | □            |                 | □                 |                          | □            | ■           |                               |
| Shrub management (including pruning)                                                                                             | □              | □       | □               | □                  |          |                     |              |                 | □                 | □                        | □            |             |                               |
| Shoreline vegetation management                                                                                                  | ■              | ■       | □               |                    |          |                     |              |                 |                   |                          |              |             |                               |
| Aquatic vegetation management                                                                                                    | ■              | ■       | □               |                    |          |                     |              |                 |                   |                          |              |             |                               |
| <b>Occasional maintenance</b>                                                                                                    |                |         |                 |                    |          |                     |              |                 |                   |                          |              |             |                               |
| Sediment management <sup>1</sup>                                                                                                 | ■              | ■       | ■               | ■                  | ■        | ■                   | ■            | ■               | ■                 | ■                        | ■            |             | ■                             |
| Vegetation replacement                                                                                                           | □              | □       | □               | □                  |          |                     |              |                 |                   | □                        | □            | ■           |                               |
| Vacuum sweeping and brushing                                                                                                     |                |         |                 |                    |          |                     |              |                 | ■                 |                          |              |             |                               |
| <b>Remedial maintenance</b>                                                                                                      |                |         |                 |                    |          |                     |              |                 |                   |                          |              |             |                               |
| Structure rehabilitation /repair                                                                                                 | □              | □       | □               | □                  | □        | □                   | □            | □               | □                 | □                        | □            | □           |                               |
| Infiltration surface reconditioning                                                                                              |                |         |                 | □                  | □        | □                   | □            |                 | □                 | □                        | □            |             |                               |

**Key**  
 ■ will be required  
 □ may be required

**Notes**  
 1 Sediment should be collected and managed in pre-treatment systems, upstream of the main device.

Figure 1 – Extract of Table 32.1 from the SuDS Manual

#### 4.4.1. Filter Trench Drains

Regular inspection and maintenance are required to ensure continuing operation to design performance standards. The treatment performance is dependent on maintenance and robust management plans will be required to ensure that maintenance is carried out in the long term.

The maintenance requirements for filter trench drains are described in Table 2. Specific maintenance needs of the system should be monitored, and maintenance schedules adjusted to suit requirements.

*Table 2 – Maintenance requirements for Filter Trench Drains*

| MAINTENANCE SCHEDULE   | REQUIRED ACTIONS                                                                                                                                 | FREQUENCY                   |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| Regular maintenance    | Remove litter (including leaf litter) and debris from filter drain surface, access chambers and pre-treatment devices                            | Monthly (or as required)    |
|                        | Inspect filter drain surface, inlet/outlet pipework and control systems for blockages, clogging, standing water and structural damage            | Monthly                     |
|                        | Inspect pre-treatment systems, inlets and perforated pipework for silt accumulation and establish appropriate silt removal frequencies           | Six monthly                 |
|                        | Remove sediment from pre-treatment devices                                                                                                       | Six monthly, or as required |
| Occasional maintenance | Remove or control tree roots where they are encroaching the sides of the filter drain, using recommended methods (eg NJUG, 2007 or BS 3998:2020) | As required                 |
|                        | At locations with high pollution loads, remove surface geotextile and replace, and wash or replace overlying filter medium                       | Five yearly, or as required |
|                        | Clear perforated pipework of blockages                                                                                                           | As required                 |

#### 4.4.2. Drainage pipes, manholes and silt traps

Inspect manholes and silt traps for build-up of silt and general debris once a year; preferably after leaf fall in the autumn. If silt/debris is building up, then clean with jetting lorry / gully sucker and inspect pipe – repeat cleaning if required. If the pipes to be jetted are plastic, then a high flow, low pressure setting should be used so that the pipes are not damaged.

**5: An allowance of 10% urban creep should be applied within the drainage calculations.**

The surface water hydraulic model has been developed to incorporate a 10% urban creep factor – refer to proposed surface water drainage calculations in **Appendix C**.

***6: Details should be provided to demonstrate that adequate water quality treatment is being achieved, in accordance with the CIRIA SuDS Manual.***

Proposed surface and foul water drainage details have been developed in line with the original design principles produced by Cannon Consulting Engineers dated in August 2025. The proposed SuDS features have been designed in accordance with CIRIA SuDS Manual and provide adequate levels of water quality treatment for the proposed development.

## **5. CONCLUSION**

The technical note specified above addresses the further information requested by Mid Sussex District Council to discharge condition 3 as part of the original planning application DM25/1023 dated 10<sup>th</sup> November 2025.



**APPENDIX A – 5033004-RDG-XX-XX-T-C-300001-DISCHARGE OF PLANNING  
CONDITION 3**



# RIDGE

**CRABBET PARK, OFFICE TO RESIDENTIAL**

**RESPONSE TO PLANNING CONDITION 3**

MARCH 2026

# CRABBET PARK, OFFICE TO RESIDENTIAL

**5033004-RDG-XX-XX-T-C-300001**

## Prepared for

Steel Frame Systems Ltd  
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## VERSION CONTROL

[illegible]

## 1. AIM

The purpose of this statement is to provide information to enable the discharge of Planning Condition 3 contained within decision notice granted 10<sup>th</sup> November 2025 against planning application DM/25/1023.

## 2. PLANNING CONDITION 3

*The development hereby permitted shall not commence, with the exception of demolition of the existing building, unless and until details of the proposed foul and surface water drainage and means of disposal have been submitted to and approved in writing by the local planning authority. The building shall not be occupied or brought into use, until all the approved drainage works have been carried out in accordance with the agreed details.*

*Reason: To ensure that the proposal is satisfactorily drained and to accord with Policy DP41 of the Mid Sussex District Council Plan 2014-2031 and the requirements of the NPPF.*

## 3. RIDGE RESPONSE

The proposed surface water and foul drainage details have been developed in line with the information submitted with the planning application produced by Cannon Consulting Engineers referenced CCE/ZG181/FRA-02 for the demolition of the existing site office and construction of a single dwelling and associated works.

The general approach is to collect surface and foul water via two separate below ground drainage systems as outlined in the following sections of the report.

### 3.1. Proposed Surface Water Drainage

The surface water scheme has been designed in accordance with the surface water hierarchy.

1. Discharge to ground
2. Discharge to watercourse
3. Discharge to surface water sewer
4. Discharge to combined water sewer

Discharge of surface water via infiltration was explored but testing undertaken (in accordance with BRE365) showed all tests to failed – refer to Appendix A. There is no watercourse near to the proposed house, however there is an existing surface water drain within the proposed garden.

Even though the scheme is a minor development, Sustainable Drainage (SuDS) are proposed to be incorporated as per the scheme submitted with the planning application. Rainwater will be collected from the proposed building via a series of rainwater downpipes to the northern and southern elevation of the building. The downpipes for the northern elevation of the building will connect into two filter trench drains which will run east to south-west and discharge into an existing chamber (EX\_S7) via a 25mm orifice plate outlet. The southern elevation drains into a separate filter trench drain which connect back onto the proposed surface water drainage network. Proposed external hardstanding and parking areas are also to drain via the proposed filter trench drains and connect into the main drainage network.

The proposed drained area breakdown can be summarised in Table 1 and shown Figure 1.

Table 1 – Proposed Area Breakdown

| CONTRIBUTING AREA                     | AREA (M <sup>2</sup> ) |
|---------------------------------------|------------------------|
| Building roof (yellow)                | 77                     |
| Filter Trench Drains (green/brown)    | 32                     |
| Parking & hardstanding areas (orange) | 71                     |
| Total Area                            | 180                    |

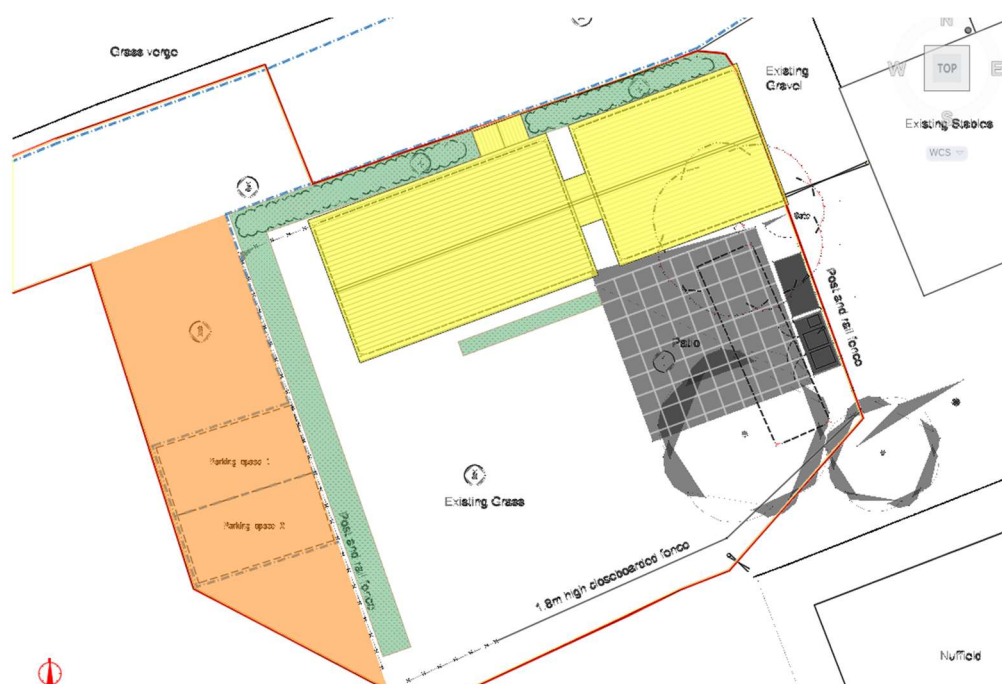


Figure 1 – Proposed Catchment Area Plan

The proposed surface water strategy has been modelled using InfoDrainage utilising the latest FEH rainfall data. Surface water calculations have been designed to not flood for the 1 in 2 year, 1 in 30 year, with sensitivity check for the 1 in 100 year + 40% climate change events. For full details of the surface water calculations – refer to Appendix B.

The proposed surface water drainage network will comprise of the following structures:

- 3 no. filter trench drains with dimensions specified in the proposed drainage strategy drawing and surface water calculations
- 3 no. 150mmDIA perforated underdrains
- 150mmDIA piped connections from filter trench drains
- Discharge into existing surface water network via chamber EX\_S7

### 3.2. Proposed Foul Water Drainage

Foul water drainage from the new single dwelling is proposed to be collected below ground in a northern direction and connect onto an existing foul water chamber (EX\_MH6). Refer to the proposed drainage strategy and installation details in Appendix C.



## 4. CONCLUSION

The below ground drainage specified above has followed the principles as outlined in the flood risk and drainage strategy produced by Cannon Consulting Engineers dated August 2025. Surface water is designed to discharge via SuDS into an existing surface water drain to the south of the house and foul water is designed to discharge into the foul drain to the north of the house.

**APPENDIX A – INFILTRATION TEST RESULTS**

Our Ref: 9942,SK,Ltr01,TA,JK,V1

Peacock 5 Ltd  
314 Hayling Road  
South Oxhey  
WD19 7QB

15 December 2025

By Email

**INFILTRATION TESTING AT CRABBT PARK EQUESTRIAN CENTRE, CRAWLEY, RH10 4SW**

**1. INTRODUCTION**

This letter report has been prepared on behalf of DHA Planning for the client Peacock 5 Ltd.

The primary objective of this ground investigation was to assess the infiltration potential of the natural soils beneath the site.

This was achieved by:

- Excavating a number of machine-dug trial pits across the site.
- Undertaking soakage testing in line with BRE Digest 365 guidance.
- Undertaking infiltration calculations to allow for an assessment of the suitability of soakaways or infiltration techniques for the future development of the site.

It is understood that the proposed development will comprise a residential housing development.

The purpose of this letter report is to provide factual data only.

**GEOSPHERE ENVIRONMENTAL LTD**

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## **2. SITE WORKS**

### **2.1 Methodology**

This ground investigation was carried out on the basis of the practices set out in BRE Digest 365, 'Soakaway Design'. 2016, which requires, in summary, a total of three infiltration tests to be undertaken in succession over a 24-hour period or tests to be undertaken on consecutive days.

The exploratory holes were positioned at Client supplied locations.

In general, where a test location showed limited or no infiltration, it was allowed to continue for circa 24 hours, the data obtained, and the test ceased. Where a test exhibited appreciable infiltration and the "75%" infiltration level was achieved, a further infiltration "run", or more was undertaken.

### **2.2 Scope**

Site works were carried out on 27 October 2025, and comprised the following:

- Excavation of four machine excavated trial pits, (TP1 to TP4), all to a depth of 2.00m below ground level (bgl).
- Undertaking infiltration testing in line with BRE Digest 365 guidance.
- Undertaking infiltration calculations to allow for an assessment of the suitability of soakaways for the future development of the site.

A Site Plan, Drawing ref. 9942,SK,001,Rev0, detailing the exploratory hole locations is presented at the end of this letter report in Appendix 4.

### **2.3 Ground Conditions Encountered**

The sequence of the strata encountered during the investigation generally disagrees with the anticipated geology as interpreted from geological mapping.

The sequence and indicative thickness of strata are summarised in Table 1 overleaf, with the Exploratory Hole Logs provided in Appendix 2.

**Table 1 – Ground Conditions**

| Strata         | Depth Encountered (mbgl) |             | Strata Thickness (m) | Location and Composition                                                                                                                                              |
|----------------|--------------------------|-------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | From                     | To          |                      |                                                                                                                                                                       |
| Made Gound     | 0.00                     | 0.10 - 0.40 | 0.10 - 0.40          | <b>TP01:</b><br>Greyish brown sandy gravelly clay. Gravel of flint, chert, brick, glass, plastics and fabric.<br><br><b>TP02, TP03, &amp; TP04:</b><br>Granular fill. |
| Granular Soils | 0.20                     | 0.40        | 0.20                 | <b>TP01:</b><br>Dark brown gravelly fine sand. Gravel of flint and chert.                                                                                             |
| Cohesive Soils | 0.10 – 0.40              | 1.90 - 2.00 | Unproven             | <b>All exploratory holes:</b><br>Orange mottled brown / grey slightly silty clay.                                                                                     |

## 2.4 Groundwater

Water was observed seeping into TP01 at 1.60mbg and TP02 and TP04 at 1.90mbgl. No water was encountered at TP03. Based on the ground conditions across the site, it has been inferred that the majority, if not all, of these water strikes were in pockets of perched water within the predominantly cohesive underlying soils.

## 2.5 Infiltration Testing Results

Soil infiltration testing was undertaken in accordance with BRE 365, 2016. The results are summarised in Table 2 below and are provided in full in Appendix 3, presented at the end of this letter report:

**Table 2 – Summary of Soil Infiltration Results**

| Location | Test 1 (m/s) | Test 2 (m/s) | Test 3 (m/s) | Notes                                                                                                                   |
|----------|--------------|--------------|--------------|-------------------------------------------------------------------------------------------------------------------------|
| SK1      | Failed       | n/a          | n/a          | After 24hrs of testing, infiltration did not reach 75%. Testing ceased at this point under prior agreement with Client. |
| SK2      | Failed       | n/a          | n/a          | After 24hrs of testing, infiltration did not reach 75%. Testing ceased at this point under prior agreement with Client. |
| SK3      | Failed       | n/a          | n/a          | After 24hrs of testing, infiltration did not reach 75%. Testing ceased at this point under prior agreement with Client. |
| SK4      | Failed       | n/a          | n/a          | After 24hrs of testing, infiltration did not reach 75%. Testing ceased at this point under prior agreement with Client. |

We trust the above is clear and acceptable. If you have any questions, please do not hesitate to contact us.

Yours sincerely

**Tilly Aldis**

***Graduate Consultant***

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**Enclosures:**

Appendix 1 – Report Limitations and Conditions

Appendix 2 – Exploratory Hole Logs

Appendix 3 – Infiltration Test Results

Appendix 4 – Drawings



# APPENDICES

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## Appendix 1 – Report Limitations and Conditions

This report refers, within the limitations stated, to the condition of the site at the time of the inspections. No warranty is given as to the possibility of future changes in the condition of the site.

This report has been prepared for the sole use of the Client for the purposes described and no extended duty of care to any third party is implied or offered. Third parties using any information contained within this report do so at their own risk.

This report is prepared and written for the use stated herein; it should not be used for any other purposes without reference to Geosphere Environmental Limited. The report has been prepared in relation to the proposed end-use, should another end-use be intended, a further re-assessment may be required. It is likely that over time practises will improve and the relevant guidance and legislation be amended or superseded, which may necessitate a re-assessment of the site.

The accuracy of any map extracts cannot be guaranteed. It is possible that different conditions existed on site, between and subsequent to the various map surveys appended.

Whilst the report may express an opinion on possible configurations of strata between or beyond exploratory holes discussed or on the possible presence of features based on visual, verbal or published evidence, this is for guidance only and no liability can be accepted for its accuracy.

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## Appendix 2 – Exploratory Hole Logs

Trial Pit Logs  
(TP1 – TP4)



27/10/2025

TP ID: TP1

Sheet 1 of 2

[illegible]

| Groundwater          |       | Trialpit Information (m)    |        | Backfill / Standpipe Details                                     |             |
|----------------------|-------|-----------------------------|--------|------------------------------------------------------------------|-------------|
| Time Struck:         | 00:00 | Pit Length (m):             | 1.70   | #1: 0.63mm pipe to 2m (2m slotted)                               |             |
| Depth Struck:        | 1.60  | Pit Depth (m):              | 1.95   |                                                                  |             |
| Inflow Rate:         | Slow  | Pit Width (m):              | 0.35   | No Cover                                                         |             |
| Depth after 5 mins:  |       | Continued/complete at:      |        | Backfill (top to bottom): Arisings/Spoil (1.30m), Gravel (0.65m) |             |
| Depth after 10 mins: |       | Pit sides:                  | Stable |                                                                  |             |
| Depth after 15 mins: |       | Slight instability in/at:   |        |                                                                  |             |
| Depth after 20 mins: |       | Collapsed completely in/at: |        |                                                                  |             |
|                      |       |                             |        | Personnel Details                                                |             |
|                      |       |                             |        | Operative:                                                       | Tilly Aldis |
|                      |       |                             |        |                                                                  |             |

| Personnel Details |             |
|-------------------|-------------|
| Operative:        | Tilly Aldis |
| CSCS:             |             |
| Site Engineer:    |             |
|                   |             |
|                   |             |
|                   |             |

Total Dayworks:

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**DRILLIT LOGS**  
DRILLITLOGS.COM



Height of Standpipe #1  
above GL: 1.00m

Arisings/Spoil  
(0.00m - 1.30m)

Gravel  
(1.30m - 1.95m)

Base of Slotted Pipe

1.95m

## Installation Details

### Standpipe #1

Standpipe diameter: 0.63mm

Height above GL: 1.00m

Standpipe solid: 0.00m

Standpipe slotted: 2.00m

Standpipe slotted zone: 0.00m - 2.00m

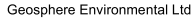
Geosock: No

Gas Tap: No

### Cover

Cover Type: No Cover

Cover Size:



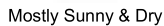
27/10/2025

TP ID: TP2

Sheet 1 of 2

[illegible]

## Preliminary Information



|            |    |
|------------|----|
| CAT Sweep: | OK |
|------------|----|

|                  |             |
|------------------|-------------|
| Excavation Type: | Mini Digger |
|------------------|-------------|

## Completed Totals for Trialpit

| Depth (m) | D | B | ES | WS |  |  |  | SV |
|-----------|---|---|----|----|--|--|--|----|
| 1.90      | 0 | 0 | 0  | 0  |  |  |  | 0  |

Trialpit Information (m)

Comments / Standing Time / Dayworks

Collapsed completely in/at:

### Backfill / Standpipe Details

Backfill (top to bottom): Arisings/Spoil (1.45m), Gravel (0.45m)

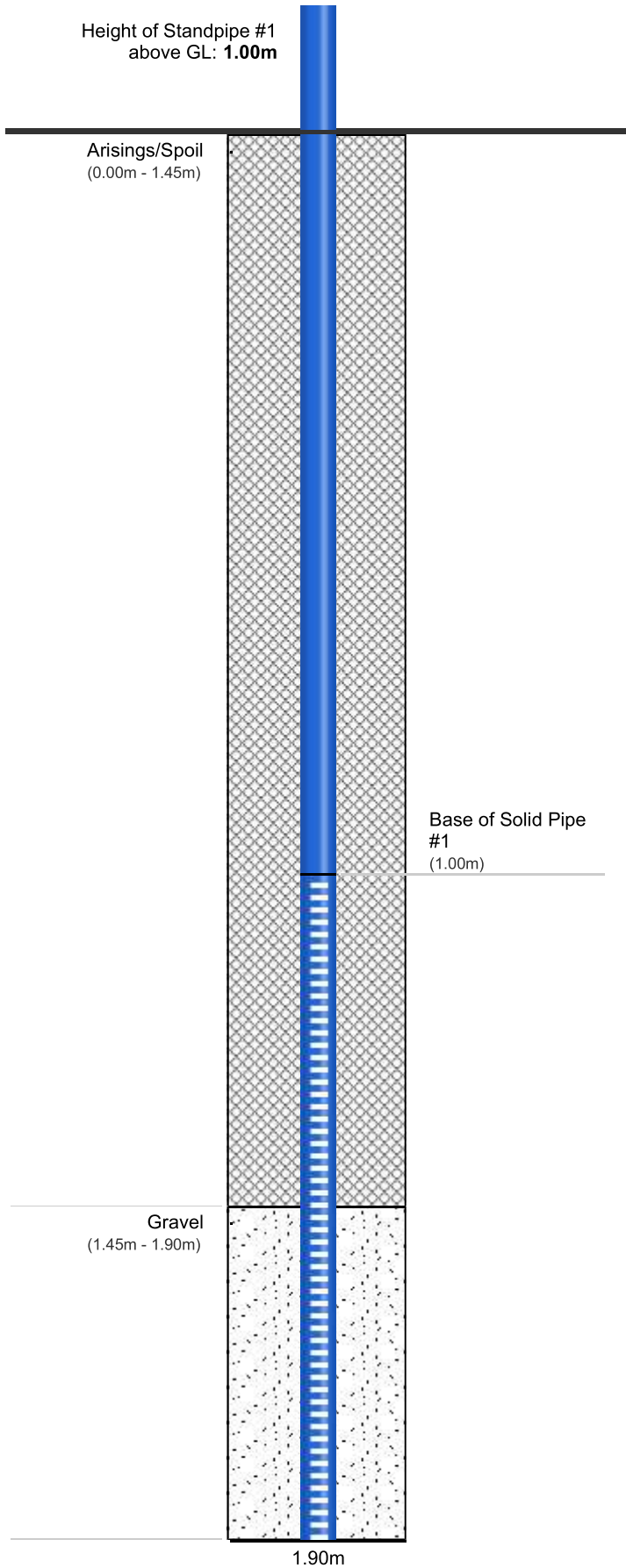
### Personnel Details

Site Engineer:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10  
0BJ.  
Telephone: 01473 353 519 :: Email: [info@geosphere-environmental.co.uk](mailto:info@geosphere-environmental.co.uk)



Total Dayworks:



| Installation Details    |               |
|-------------------------|---------------|
| Standpipe #1            |               |
| Standpipe diameter:     | 0.63mm        |
| Height above GL:        | 1.00m         |
| Standpipe solid:        | 1.00m         |
| Standpipe slotted:      | 1.00m         |
| Standpipe slotted zone: | 1.00m - 2.00m |
| Geosock:                | No            |
| Gas Tap:                | No            |
| Cover                   |               |
| Cover Type:             | No Cover      |
| Cover Size:             |               |



27/10/2025

TP ID: TP3

Sheet 1 of 2

[illegible]

|             |                                                                                                                                                                                                                                                                           |                                                                                                                                                                                        |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> | <p>Geosphere Environmental Ltd<br/>         Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10 0BJ.<br/>         Telephone: 01473 353 519 :: Email: <a href="mailto:info@geosphere-environmental.co.uk">info@geosphere-environmental.co.uk</a></p> | <div>  <div> <p>CREATED WITH</p> <p><b>DRILL IT LOGS</b></p> <p>DRILLITLOGS.COM</p> </div> </div> |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Total Dayworks:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10  
0BJ.  
Telephone: 01473 353 519 :: Email: [info@geosphere-environmental.co.uk](mailto:info@geosphere-environmental.co.uk)







Geosphere Environmental Ltd

Daily Trialpit Record

Location: Crabbet Park, Crawley

Project ID: 9942\_SK

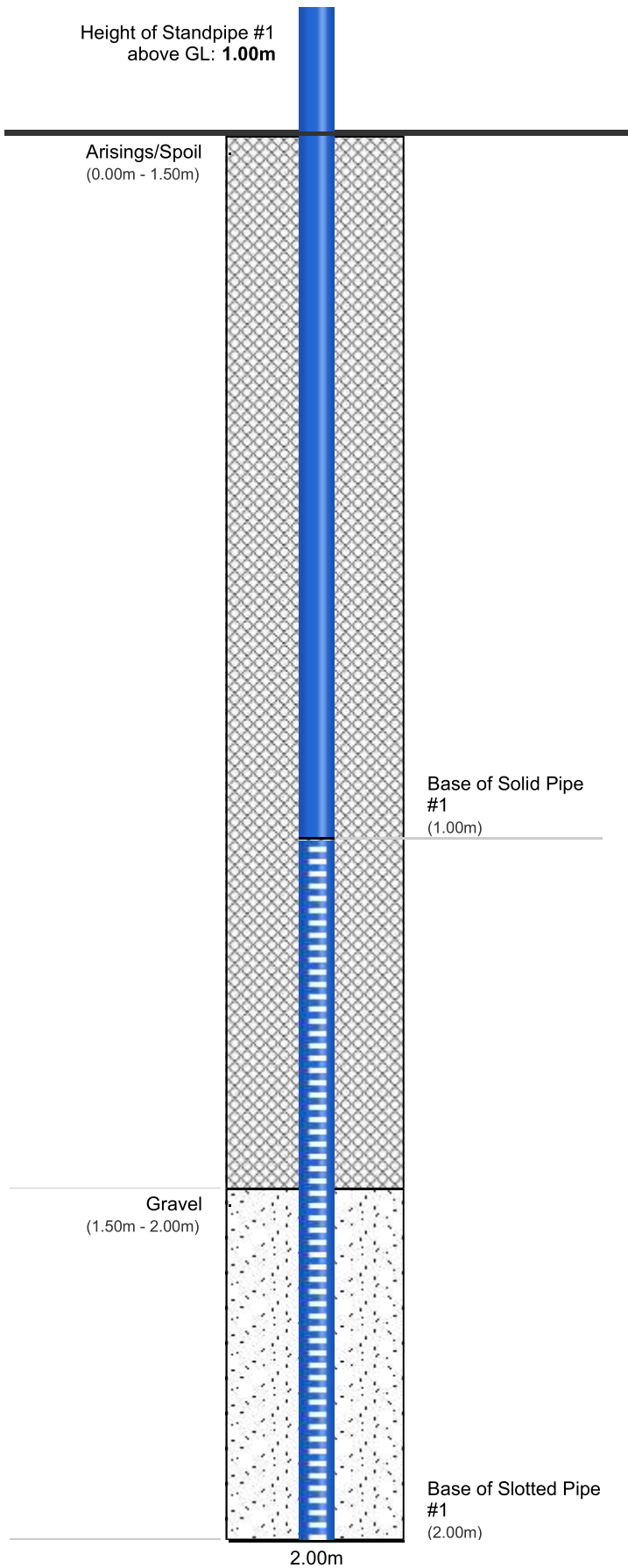
TP ID: TP3



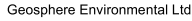
9942\_SK-TP3

27/10/2025

Sheet 2 of 2



| Installation Details    |               |
|-------------------------|---------------|
| Standpipe #1            |               |
| Standpipe diameter:     | 0.63mm        |
| Height above GL:        | 1.00m         |
| Standpipe solid:        | 1.00m         |
| Standpipe slotted:      | 1.00m         |
| Standpipe slotted zone: | 1.00m - 2.00m |
| Geosock:                | No            |
| Gas Tap:                | No            |
| Cover                   |               |
| Cover Type:             | No Cover      |
| Cover Size:             |               |



27/10/2025

Sheet 1 of 2

[illegible]

| Groundwater          |       | Triallpit Information (m)   |        | Backfill / Standpipe Details                  |             |
|----------------------|-------|-----------------------------|--------|-----------------------------------------------|-------------|
| Time Struck:         | 00:00 | Pit Length (m):             | 1.50   | #1: 0.63mm pipe to 2m (1m solid & 1m slotted) |             |
| Depth Struck:        | 1.90  | Pit Depth (m):              | 1.90   |                                               |             |
| Inflow Rate:         | Slow  | Pit Width (m):              | 0.35   |                                               |             |
| Depth after 5 mins:  |       | Continued/complete at:      |        | Backfill (top to bottom):                     |             |
| Depth after 10 mins: |       | Pit sides:                  | Stable |                                               |             |
| Depth after 15 mins: |       | Slight instability in/at:   |        | Personnel Details                             |             |
| Depth after 20 mins: |       | Collapsed completely in/at: |        | Operative:                                    | Tilly Aldis |
|                      |       |                             |        |                                               |             |

| Personnel Details |             |
|-------------------|-------------|
| Operative:        | Tilly Aldis |
| CSCS:             |             |
| Site Engineer:    |             |
|                   |             |
|                   |             |
|                   |             |

CREATED WITH  
**DRILLIT LOGS**  
DRILLITLOGS.COM

Total Dayworks:



Geosphere Environmental Ltd

## Daily Trialpit Record

Location: Crabbet Park, Crawley

Project ID: 9942\_SK

TP ID: TP4



9942\_SK-TP4

27/10/2025

Sheet 2 of 2

Height of Standpipe #1  
above GL: 1.00m

Base of Solid Pipe  
#1  
(1.00m)

1.90m

### Installation Details

#### Standpipe #1

Standpipe diameter: 0.63mm

Height above GL: 1.00m

Standpipe solid: 1.00m

Standpipe slotted: 1.00m

Standpipe slotted zone: 1.00m - 2.00m

Geosock: No

Gas Tap: No

#### Cover

Cover Type: No Cover

Cover Size:

---

## Appendix 3 – Infiltration Test Results



Geosphere Environmental Ltd

## Soakaway Record

Location: Crabbet Park, Crawley

27/10/2025

Project ID: 9942\_SK

SA ID: SK1

Sheet 1 of 1



## Pit Details

|                    |      |                          |      |                            |                    |                  |     |
|--------------------|------|--------------------------|------|----------------------------|--------------------|------------------|-----|
| Length of pit (m): | 1.70 | Depth of pit (mbgl):     | 1.95 | Depth of standpipe (mbgl): | 2.00               | Gravel Backfill? | Yes |
| Width of pit (m):  | 0.35 | Height of standpipe (m): | 1.15 | Weather Conditions:        | Mostly Sunny & Dry |                  |     |

## RUN 1

Start Time:

27/10/2025 13:05:34

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  | 00:00:00        | 1.400     | 16 |                 |           |
| 2  | 00:01:08        | 1.400     | 17 |                 |           |
| 3  | 00:02:02        | 1.400     | 18 |                 |           |
| 4  | 00:03:01        | 1.400     | 19 |                 |           |
| 5  | 00:04:06        | 1.400     | 20 |                 |           |
| 6  | 00:05:10        | 1.400     | 21 |                 |           |
| 7  | 00:10:03        | 1.400     | 22 |                 |           |
| 8  | 00:21:04        | 1.380     | 23 |                 |           |
| 9  | 00:54:25        | 1.350     | 24 |                 |           |
| 10 | 20:15:34        | 0.850     | 25 |                 |           |
| 11 | 24:00:00        | 0.850     | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

## RUN 2

Start Time:

...

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

## RUN 3

Start Time:

...

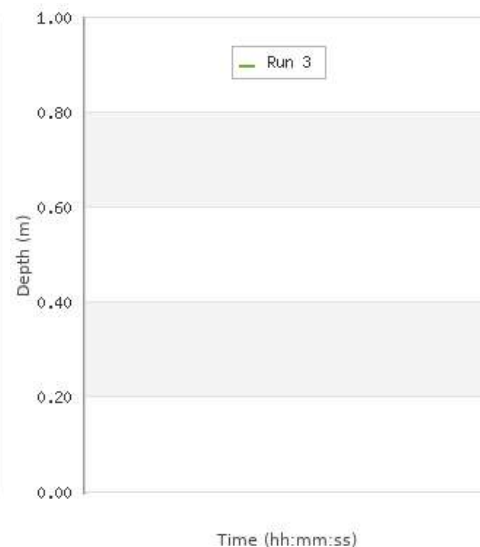
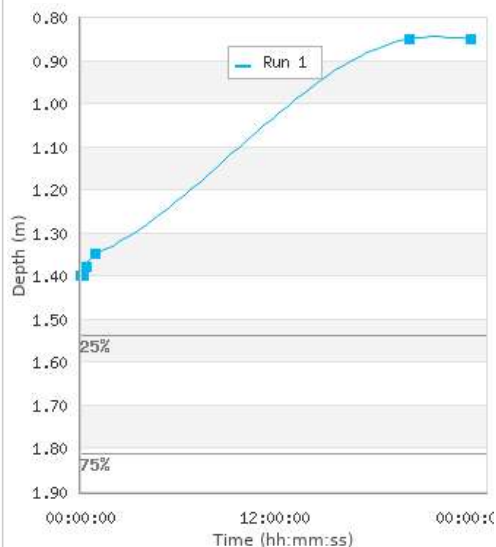
| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

h<sub>75</sub> (m): 1.813 h<sub>25</sub> (m): 1.538Active zone (m): h<sub>75</sub> - h<sub>25</sub> 0.275t<sub>75</sub> (s): t<sub>25</sub> (s):Active zone time (s): t<sub>75</sub> - t<sub>25</sub>Effective volume (m<sup>3</sup>): V<sub>75</sub> - V<sub>25</sub> 0.049Effective area (m<sup>2</sup>): aP<sub>50</sub> 1.723

Insufficient data to calculate

No Data

No Data



Comments / Standing Time / Dayworks

Personnel Details

Operative: Tilly Aldis

CSCS:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10 0BJ.  
Telephone: 01473 353 519 :: Email: info@geosphere-environmental.co.uk



Total Standing Time:

Total Dayworks:



Geosphere Environmental Ltd

## Soakaway Record

Location: Crabbet Park, Crawley

27/10/2025

Project ID: 9942\_SK

SA ID: SK2

Sheet 1 of 1



## Pit Details

|                    |      |                          |      |                            |                    |                  |     |
|--------------------|------|--------------------------|------|----------------------------|--------------------|------------------|-----|
| Length of pit (m): | 1.70 | Depth of pit (mbgl):     | 1.90 | Depth of standpipe (mbgl): | 2.00               | Gravel Backfill? | Yes |
| Width of pit (m):  | 0.35 | Height of standpipe (m): | 1.17 | Weather Conditions:        | Mostly Sunny & Dry |                  |     |

## RUN 1

Start Time:

27/10/2025 12:24:39

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  | 00:00:00        | 1.300     | 16 |                 |           |
| 2  | 00:01:32        | 1.240     | 17 |                 |           |
| 3  | 00:02:22        | 1.230     | 18 |                 |           |
| 4  | 00:03:07        | 1.220     | 19 |                 |           |
| 5  | 00:04:05        | 1.220     | 20 |                 |           |
| 6  | 00:05:16        | 1.210     | 21 |                 |           |
| 7  | 00:09:52        | 1.200     | 22 |                 |           |
| 8  | 00:30:43        | 1.190     | 23 |                 |           |
| 9  | 00:52:34        | 1.170     | 24 |                 |           |
| 10 | 01:05:38        | 1.170     | 25 |                 |           |
| 11 | 01:33:54        | 1.150     | 26 |                 |           |
| 12 | 20:51:30        | 0.990     | 27 |                 |           |
| 13 | 24:00:00        | 0.990     | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

## RUN 2

Start Time:

...

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

## RUN 3

Start Time:

...

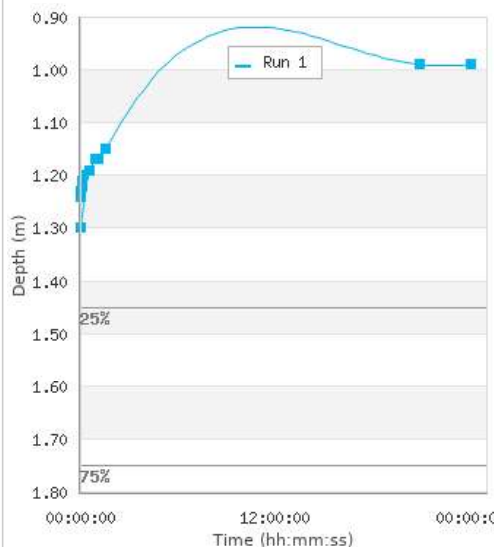
| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

h<sub>75</sub> (m): 1.750 h<sub>25</sub> (m): 1.450Active zone (m): h<sub>75</sub> - h<sub>25</sub> 0.300t<sub>75</sub> (s): t<sub>25</sub> (s):Active zone time (s): t<sub>75</sub> - t<sub>25</sub>Effective volume (m<sup>3</sup>): V<sub>75</sub> - V<sub>25</sub> 0.054Effective area (m<sup>2</sup>): aP<sub>50</sub> 1.825

Insufficient data to calculate

No Data

No Data



Comments / Standing Time / Dayworks

Personnel Details

Operative: Tilly Aldis

CSCS:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10 0BJ.  
Telephone: 01473 353 519 :: Email: info@geosphere-environmental.co.uk



Total Standing Time:

Total Dayworks:



|                    |      |                          |      |                            |      |                    |     |
|--------------------|------|--------------------------|------|----------------------------|------|--------------------|-----|
| Length of pit (m): | 1.50 | Depth of pit (mbgl):     | 2.00 | Depth of standpipe (mbgl): | 2.00 | Gravel Backfill?   | Yes |
| Width of pit (m):  | 0.35 | Height of standpipe (m): | 1.00 | Weather Conditions:        |      | Mostly Sunny & Dry |     |

| RUN 1               |                    |              |    |                    |              |
|---------------------|--------------------|--------------|----|--------------------|--------------|
| Start Time:         |                    |              |    |                    |              |
| 28/10/2025 12:51:16 |                    |              |    |                    |              |
| #                   | Time<br>(hh:mm:ss) | Depth<br>(m) | #  | Time<br>(hh:mm:ss) | Depth<br>(m) |
| 1                   | 00:00:00           | 1.390        | 16 |                    |              |
| 2                   | 00:01:00           | 1.380        | 17 |                    |              |
| 3                   | 00:02:00           | 1.350        | 18 |                    |              |
| 4                   | 00:03:00           | 1.340        | 19 |                    |              |
| 5                   | 00:04:00           | 1.330        | 20 |                    |              |
| 6                   | 00:05:00           | 1.320        | 21 |                    |              |
| 7                   | 00:10:00           | 1.300        | 22 |                    |              |
| 8                   | 00:25:00           | 1.300        | 23 |                    |              |
| 9                   | 01:00:00           | 1.280        | 24 |                    |              |
| 10                  | 01:30:00           | 1.280        | 25 |                    |              |
| 11                  | 02:15:00           | 1.290        | 26 |                    |              |
| 12                  | 02:36:00           | 1.290        | 27 |                    |              |
| 13                  | 22:05:00           | 1.310        | 28 |                    |              |
| 14                  | 24:00:00           | 1.315        | 29 |                    |              |
| 15                  |                    |              | 30 |                    |              |

| RUN 2       |                    |              |    |                    |              |
|-------------|--------------------|--------------|----|--------------------|--------------|
| Start Time: |                    |              |    |                    |              |
| ...         |                    |              |    |                    |              |
| #           | Time<br>(hh:mm:ss) | Depth<br>(m) | #  | Time<br>(hh:mm:ss) | Depth<br>(m) |
| 1           |                    |              | 16 |                    |              |
| 2           |                    |              | 17 |                    |              |
| 3           |                    |              | 18 |                    |              |
| 4           |                    |              | 19 |                    |              |
| 5           |                    |              | 20 |                    |              |
| 6           |                    |              | 21 |                    |              |
| 7           |                    |              | 22 |                    |              |
| 8           |                    |              | 23 |                    |              |
| 9           |                    |              | 24 |                    |              |
| 10          |                    |              | 25 |                    |              |
| 11          |                    |              | 26 |                    |              |
| 12          |                    |              | 27 |                    |              |
| 13          |                    |              | 28 |                    |              |
| 14          |                    |              | 29 |                    |              |
| 15          |                    |              | 30 |                    |              |

| RUN 3       |                    |              |    |                    |              |
|-------------|--------------------|--------------|----|--------------------|--------------|
| Start Time: |                    |              |    |                    |              |
| ...         |                    |              |    |                    |              |
| #           | Time<br>(hh:mm:ss) | Depth<br>(m) | #  | Time<br>(hh:mm:ss) | Depth<br>(m) |
| 1           |                    |              | 16 |                    |              |
| 2           |                    |              | 17 |                    |              |
| 3           |                    |              | 18 |                    |              |
| 4           |                    |              | 19 |                    |              |
| 5           |                    |              | 20 |                    |              |
| 6           |                    |              | 21 |                    |              |
| 7           |                    |              | 22 |                    |              |
| 8           |                    |              | 23 |                    |              |
| 9           |                    |              | 24 |                    |              |
| 10          |                    |              | 25 |                    |              |
| 11          |                    |              | 26 |                    |              |
| 12          |                    |              | 27 |                    |              |
| 13          |                    |              | 28 |                    |              |
| 14          |                    |              | 29 |                    |              |
| 15          |                    |              | 30 |                    |              |

|                                     |       |                   |       |
|-------------------------------------|-------|-------------------|-------|
| $h_{75}$ (m):                       | 1.848 | $h_{25}$ (m):     | 1.543 |
| Active zone (m):                    |       | $h_{75} - h_{25}$ | 0.305 |
| $t_{75}$ (s):                       |       | $t_{25}$ (s):     |       |
| Active zone time (s):               |       | $t_{75} - t_{25}$ |       |
| Effective volume (m <sup>3</sup> ): |       | $v_{75} - v_{25}$ | 0.048 |
| Effective area (m <sup>2</sup> ):   |       | $a_{P50}$         | 1.654 |

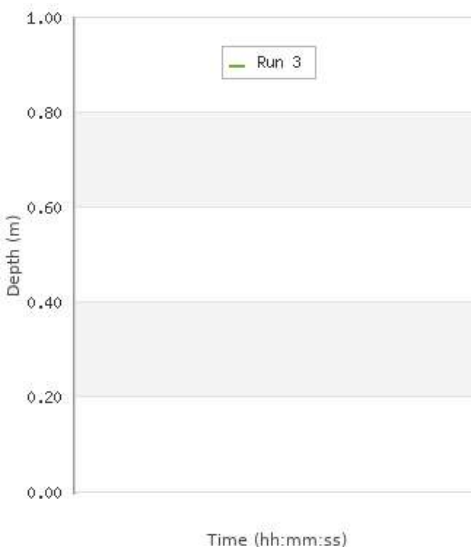
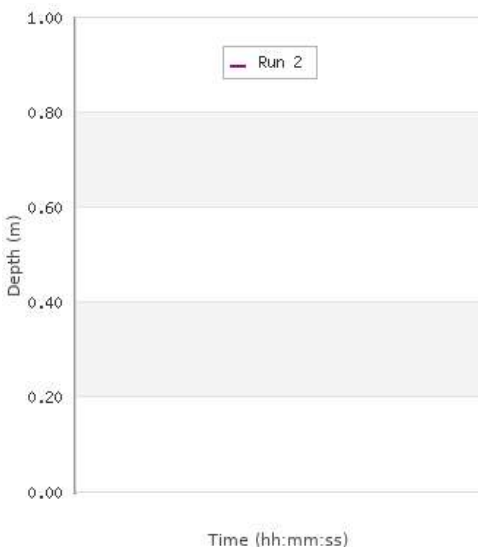
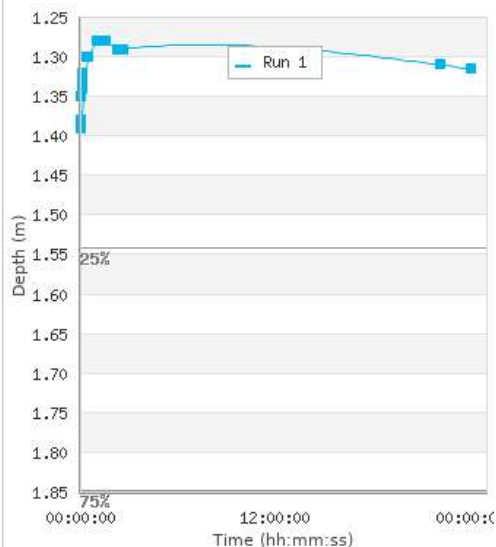
Insufficient data to calculate

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

No Data

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
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|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

No Data



Comments / Standing Time / Dayworks

### Personnel Details

Operative: Tilly Aldis

CSCS:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10 0BJ.  
Telephone: 01473 353 519 :: Email: [info@geosphere-environmental.co.uk](mailto:info@geosphere-environmental.co.uk)

CREATED WITH  
**DRILLIT LOGS**  
DRILLITLOGS.COM

Total Standing Time:

Total Dayworks:



Geosphere Environmental Ltd

## Soakaway Record

Location: Crabbet Park, Crawley

27/10/2025

Project ID: 9942\_SK

SA ID: SK4

Sheet 1 of 1



## Pit Details

|                    |      |                          |      |                            |                    |                  |     |
|--------------------|------|--------------------------|------|----------------------------|--------------------|------------------|-----|
| Length of pit (m): | 1.50 | Depth of pit (mbgl):     | 1.90 | Depth of standpipe (mbgl): | 2.00               | Gravel Backfill? | Yes |
| Width of pit (m):  | 0.35 | Height of standpipe (m): | 1.00 | Weather Conditions:        | Mostly Sunny & Dry |                  |     |

## RUN 1

Start Time:

27/10/2025 11:21:43

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  | 00:00:00        | 1.420     | 16 | 24:00:00        | 1.730     |
| 2  | 00:01:15        | 1.420     | 17 |                 |           |
| 3  | 00:02:08        | 1.430     | 18 |                 |           |
| 4  | 00:03:09        | 1.430     | 19 |                 |           |
| 5  | 00:04:04        | 1.430     | 20 |                 |           |
| 6  | 00:05:01        | 1.430     | 21 |                 |           |
| 7  | 00:10:42        | 1.440     | 22 |                 |           |
| 8  | 00:15:13        | 1.440     | 23 |                 |           |
| 9  | 00:21:24        | 1.460     | 24 |                 |           |
| 10 | 00:48:58        | 1.500     | 25 |                 |           |
| 11 | 01:15:31        | 1.540     | 26 |                 |           |
| 12 | 01:57:39        | 1.580     | 27 |                 |           |
| 13 | 02:28:35        | 1.610     | 28 |                 |           |
| 14 | 02:42:46        | 1.610     | 29 |                 |           |
| 15 | 21:50:27        | 1.730     | 30 |                 |           |

## RUN 2

Start Time:

...

| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

## RUN 3

Start Time:

...

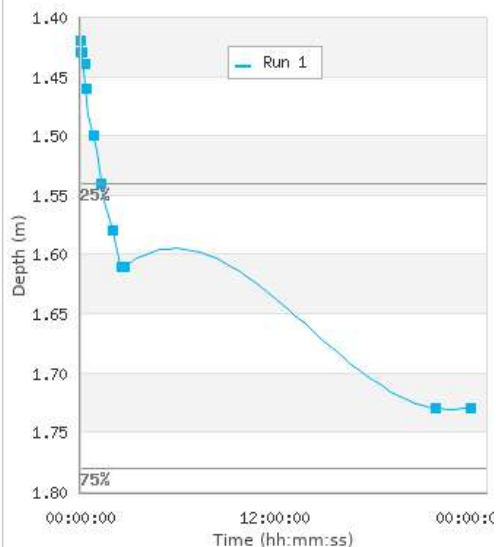
| #  | Time (hh:mm:ss) | Depth (m) | #  | Time (hh:mm:ss) | Depth (m) |
|----|-----------------|-----------|----|-----------------|-----------|
| 1  |                 |           | 16 |                 |           |
| 2  |                 |           | 17 |                 |           |
| 3  |                 |           | 18 |                 |           |
| 4  |                 |           | 19 |                 |           |
| 5  |                 |           | 20 |                 |           |
| 6  |                 |           | 21 |                 |           |
| 7  |                 |           | 22 |                 |           |
| 8  |                 |           | 23 |                 |           |
| 9  |                 |           | 24 |                 |           |
| 10 |                 |           | 25 |                 |           |
| 11 |                 |           | 26 |                 |           |
| 12 |                 |           | 27 |                 |           |
| 13 |                 |           | 28 |                 |           |
| 14 |                 |           | 29 |                 |           |
| 15 |                 |           | 30 |                 |           |

h<sub>75</sub> (m): 1.780 h<sub>25</sub> (m): 1.540Active zone (m): h<sub>75</sub> - h<sub>25</sub> 0.240t<sub>75</sub> (s): t<sub>25</sub> (s): 4531Active zone time (s): t<sub>75</sub> - t<sub>25</sub>Effective volume (m<sup>3</sup>): V<sub>75</sub> - V<sub>25</sub> 0.038Effective area (m<sup>2</sup>): aP<sub>50</sub> 1.413

Insufficient data to calculate

No Data

No Data



Comments / Standing Time / Dayworks

Personnel Details

Operative: Tilly Aldis

CSCS:

Geosphere Environmental Ltd  
Brightwell Barns, Ipswich Road, Brightwell, Suffolk, United Kingdom, IP10 0BJ.  
Telephone: 01473 353 519 :: Email: info@geosphere-environmental.co.uk



Total Standing Time:

Total Dayworks:



---

## Appendix 4 – Drawings

Site Plan – Drawing ref. 9942,SK,001,Rev0



**Legend**

- Site Boundary
- Infiltration Test Locations



GEOSPHERE ENVIRONMENTAL

**Project**

Crabbet Park Equestrian Centre, Crawley,  
RH10 4SW

**Drawing Title**

Site Plan

**Drawing Number**

9942,SK,001,Rev0

**Date**

27/11/25

**Author / Checked By**

TA / JK

**Source**

Map data ©2025 Imagery ©2025 Airbus, Maxar  
Technologies

**APPENDIX B – PROPOSED SURFACE WATER CALCULATIONS**

|                                                                        |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                        | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                        |                                                 |                    |                     |                                                                                    |



Catchment Area (1)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area (2)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area (3)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area (7)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |

|                                                                        |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                        | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                        |                                                 |                    |                     |                                                                                    |



Catchment Area (5)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area (4)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |



Catchment Area (8)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |

|                                                                        |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                        | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                        |                                                 |                    |                     |                                                                                    |



Catchment Area (9)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                | Time of Concentration |
|------------------------------|-----------------------|
| Summer Volumetric Runoff     | 1.000                 |
| Winter Volumetric Runoff     | 1.000                 |
| Time of Concentration (mins) | 5                     |
| Percentage Impervious (%)    | 100                   |

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>23/03/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





Filter Trench Drain

Type : Infiltration Trench

Dimensions

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.021 |
| Depth (m)            | 0.801  |
| Base Level (m)       | 84.220 |
| Freeboard (mm)       | 191    |
| Porosity (%)         | 30     |
| Length (m)           | 7.367  |
| Long. Slope (1:X)    | 500.00 |
| Width (m)            | 0.800  |
| Total Volume (m³)    | 1.170  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                     |             |
|---------------------|-------------|
| Outgoing Connection | 1.000       |
| Outlet Type         | Under Drain |

Advanced

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>23/03/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





**Filter Trench Drain (1)**

Type : Infiltration Trench

**Dimensions**

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.230 |
| Depth (m)            | 1.230  |
| Base Level (m)       | 84.000 |
| Freeboard (mm)       | 214    |
| Porosity (%)         | 30     |
| Length (m)           | 18.115 |
| Long. Slope (1:X)    | 500.00 |
| Width (m)            | 1.000  |
| Total Volume (m³)    | 5.746  |

**Under Drain**

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

**Outlets**

**Outlet (1)**

|                          |         |
|--------------------------|---------|
| Outgoing Connection      | 1.001   |
| Outlet Type              | Orifice |
| Diameter (m)             | 0.025   |
| Coefficient of Discharge | 0.600   |
| Invert Level (m)         | 84.000  |

**Advanced**

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|



|                                                                                    |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                                    |                                                 |                    |                     |                                                                                    |



Filter Trench Drain (2)

Type : Infiltration Trench

Dimensions

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.100 |
| Depth (m)            | 0.970  |
| Base Level (m)       | 84.130 |
| Freeboard (mm)       | 100    |
| Porosity (%)         | 30     |
| Length (m)           | 5.000  |
| Long. Slope (1:X)    | 400.00 |
| Width (m)            | 0.600  |
| Total Volume (m³)    | 0.845  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 2.001          |
| Outlet Type         | Free Discharge |

Advanced

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|

|                                                                            |                                                 |                    |                     |
|----------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                   | Date:<br>23/03/2026                             |                    |                     |
|                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |



| Name  | From                    | To                      | Length (m) | Connection Type | Slope (1:X) | Manning's n | Colebrook-White Roughness (mm) | Diameter / Base Width (mm) |
|-------|-------------------------|-------------------------|------------|-----------------|-------------|-------------|--------------------------------|----------------------------|
| 2.002 | S1                      | Filter Trench Drain (1) | 1.801      | Pipe            | 42.886      |             | 0.6                            | 150                        |
| 1.000 | Filter Trench Drain     | Filter Trench Drain (1) | 2.419      | Pipe            | 13.162      |             | 0.6                            | 150                        |
| 1.001 | Filter Trench Drain (1) | EX_S7                   | 1.325      | Pipe            | 66.273      |             | 0.6                            | 150                        |
| 2.001 | Filter Trench Drain (2) | S1                      | 2.292      | Pipe            | 60.318      |             | 0.6                            | 150                        |
| 2.000 | S2                      | Filter Trench Drain (2) | 1.063      | Pipe            | 5.122       |             | 0.6                            | 150                        |

| Name  | Upstream Cover Level (m) | Upstream Invert Level (m) | Downstream Cover Level (m) | Downstream Invert Level (m) | Part Family | Lock   | Flow Restriction (L/s) | Velocity (m/s) |
|-------|--------------------------|---------------------------|----------------------------|-----------------------------|-------------|--------|------------------------|----------------|
| 2.002 | 85.130                   | 84.092                    | 85.266                     | 84.050                      |             | Levels |                        |                |
| 1.000 | 85.036                   | 84.220                    | 85.266                     | 84.036                      |             | None   | 0.0                    |                |
| 1.001 | 85.266                   | 84.000                    | 85.270                     | 83.980                      |             | Levels | 1.3                    |                |
| 2.001 | 85.113                   | 84.130                    | 85.130                     | 84.092                      |             | None   |                        |                |
| 2.000 | 85.100                   | 84.350                    | 85.113                     | 84.143                      |             | None   |                        |                |

| Name  | Culvert Type | Culvert Entrance | Wall Thickness (mm) | Material | Trench Width (mm) | Bedding Material | Surrounding Material |
|-------|--------------|------------------|---------------------|----------|-------------------|------------------|----------------------|
| 2.002 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 1.000 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 1.001 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 2.001 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 2.000 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |

|                                                                               |                                                 |                    |                     |
|-------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                      | Date:<br>23/03/2026                             |                    |                     |
|                                                                               | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Inflow Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |



| Inflow Label       | Connected To            | Flow (L/s) | Runoff Method         | Area (ha)    | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|--------------------|-------------------------|------------|-----------------------|--------------|---------------------------|-----------------|------------------------------------|--------------------|
| Catchment Area     | Filter Trench Drain (1) |            | Time of Concentration | 0.004        | 100                       | 0               | 100                                | 0.004              |
| Catchment Area (1) | Filter Trench Drain (1) |            | Time of Concentration | 0.001        | 100                       | 0               | 100                                | 0.001              |
| Catchment Area (2) | Filter Trench Drain (1) |            | Time of Concentration | 0.001        | 100                       | 0               | 100                                | 0.001              |
| Catchment Area (3) | Filter Trench Drain (1) |            | Time of Concentration | 0.003        | 100                       | 0               | 100                                | 0.003              |
| Catchment Area (4) | Filter Trench Drain (1) |            | Time of Concentration | 0.002        | 100                       | 0               | 100                                | 0.002              |
| Catchment Area (5) | S1                      |            | Time of Concentration | 0.001        | 100                       | 0               | 100                                | 0.001              |
| Catchment Area (7) | S2                      |            | Time of Concentration | 0.002        | 100                       | 0               | 100                                | 0.002              |
| Catchment Area (8) | Filter Trench Drain     |            | Time of Concentration | 0.002        | 100                       | 0               | 100                                | 0.002              |
| Catchment Area (9) | S2                      |            | Time of Concentration | 0.002        | 100                       | 0               | 100                                | 0.002              |
| <b>TOTAL</b>       |                         | <b>0.0</b> |                       | <b>0.018</b> |                           |                 |                                    | <b>0.018</b>       |

|                                                                                |                                                 |                    |                     |                                                                                    |
|--------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                       | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Outfall Details<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

Outfalls

| Outfall | Outfall Type   | Gated | Fixed Surcharged Level (m) | Level Curve |
|---------|----------------|-------|----------------------------|-------------|
| EX_S7   | Free Discharge |       |                            |             |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>23/03/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





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

| 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 |
|----------|--------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|--------|
| EX_S7    | FEH: 2 years: +0 %: 120 mins: Summer | 85.270          | 83.670           | 83.670         | 0.000          | 0.6               | 0.000                     | 0.000                    | 0.6                | 3.734                       | OK     |
| S1       | FEH: 2 years: +0 %: 60 mins: Winter  | 85.130          | 84.092           | 84.241         | 0.149          | 0.4               | 0.024                     | 0.000                    | 0.3                | 0.634                       | OK     |
| S2       | FEH: 2 years: +0 %: 15 mins: Summer  | 85.100          | 84.350           | 84.360         | 0.010          | 0.7               | 0.002                     | 0.000                    | 0.7                | 0.290                       | OK     |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>23/03/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|---------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 30 years: +0 %: 60 mins: Winter  | 85.270          | 83.670           | 83.670         | 0.000          | 0.9               | 0.000                     | 0.000                    | 0.9                | 5.002                       | OK         |
| S1       | FEH: 30 years: +0 %: 360 mins: Summer | 85.130          | 84.092           | 84.431         | 0.339          | 0.4               | 0.054                     | 0.000                    | 0.5                | 2.724                       | Surcharged |
| S2       | FEH: 30 years: +0 %: 15 mins: Summer  | 85.100          | 84.350           | 84.398         | 0.048          | 1.5               | 0.008                     | 0.000                    | 1.5                | 0.626                       | OK         |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>23/03/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |

I

DRN



FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|---------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 100 years: +0 %: 60 mins: Winter | 85.270          | 83.670           | 83.670         | 0.000          | 1.0               | 0.000                     | 0.000                    | 1.0                | 5.602                       | OK         |
| S1       | FEH: 100 years: +0 %: 15 mins: Summer | 85.130          | 84.092           | 84.471         | 0.379          | 1.6               | 0.060                     | 0.000                    | 0.6                | 0.380                       | Surcharged |
| S2       | FEH: 100 years: +0 %: 15 mins: Summer | 85.100          | 84.350           | 84.472         | 0.122          | 1.9               | 0.019                     | 0.000                    | 1.8                | 0.719                       | OK         |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>23/03/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 100 years: +40 %: 60 mins: Summer | 85.270          | 83.670           | 83.670         | 0.000          | 1.2               | 0.000                     | 0.000                    | 1.2                | 6.559                       | OK         |
| S1       | FEH: 100 years: +40 %: 15 mins: Winter | 85.130          | 84.092           | 84.623         | 0.531          | 1.3               | 0.084                     | 0.000                    | 0.8                | 0.389                       | Surcharged |
| S2       | FEH: 100 years: +40 %: 30 mins: Summer | 85.100          | 84.350           | 84.760         | 0.410          | 1.8               | 0.065                     | 0.000                    | 1.7                | 1.201                       | Surcharged |



|                                                                                            |                                                 |                    |                     |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 2 years: +0 %: 15 mins: Summer | 84.255            | 84.237            | 0.020             | 0.017             | 0.5               | 0.033                     | 0.000                    | 0.000                  | 0.4                | 0.197                       |                             | 97.185                   |
| Filter Trench Drain (1) | FEH: 2 years: +0 %: 15 mins: Summer | 84.212            | 84.211            | 0.175             | 0.211             | 3.1               | 1.050                     | 0.000                    | 0.000                  | 0.6                | 0.741                       |                             | 81.728                   |
| Filter Trench Drain (2) | FEH: 2 years: +0 %: 15 mins: Summer | 84.211            | 84.211            | 0.068             | 0.081             | 0.7               | 0.067                     | 0.000                    | 0.000                  | 0.7                | 0.264                       |                             | 92.022                   |

|                                                                                            |                                                 |                    |                     |                                                                                    |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

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| Status |
| OK     |
| OK     |
| OK     |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|--------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 30 years: +0 %: 15 mins: Summer | 84.397            | 84.397            | 0.162             | 0.177             | 1.0               | 0.300                     | 0.000                    | 0.000                  | 2.0                | 0.559                       |                             | 74.337                   |
| Filter Trench Drain (1) | FEH: 30 years: +0 %: 15 mins: Summer | 84.398            | 84.397            | 0.362             | 0.397             | 5.6               | 2.062                     | 0.000                    | 0.000                  | 0.8                | 1.251                       |                             | 64.104                   |
| Filter Trench Drain (2) | FEH: 30 years: +0 %: 15 mins: Summer | 84.398            | 84.398            | 0.255             | 0.268             | 1.5               | 0.236                     | 0.000                    | 0.000                  | 0.7                | 0.432                       |                             | 72.107                   |

|                                                                                            |                                                 |                    |                     |                                                                                    |
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| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

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| Status |
| OK     |
| OK     |
| OK     |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max.  
Flooded Volume

| 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 (%) |
|-------------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 100 years: +0 %: 15 mins: Summer | 84.471            | 84.471            | 0.236             | 0.251             | 1.5               | 0.431                     | 0.000                    | 0.000                  | 0.6                | 0.476                       |                             | 63.139                   |
| Filter Trench Drain (1) | FEH: 100 years: +0 %: 15 mins: Summer | 84.471            | 84.470            | 0.435             | 0.470             | 7.6               | 2.460                     | 0.000                    | 0.000                  | 0.9                | 1.464                       |                             | 57.193                   |
| Filter Trench Drain (2) | FEH: 100 years: +0 %: 15 mins: Summer | 84.471            | 84.471            | 0.329             | 0.341             | 1.8               | 0.302                     | 0.000                    | 0.000                  | 1.0                | 0.469                       |                             | 64.306                   |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

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| Status |
| OK     |
| OK     |
| OK     |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max.  
Flooded Volume

| 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 (%) |
|-------------------------|----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 100 years: +40 %: 15 mins: Summer | 84.618            | 84.619            | 0.384             | 0.399             | 1.9               | 0.692                     | 0.000                    | 0.000                  | 0.5                | 0.515                       |                             | 40.830                   |
| Filter Trench Drain (1) | FEH: 100 years: +40 %: 15 mins: Summer | 84.619            | 84.618            | 0.583             | 0.618             | 9.8               | 3.263                     | 0.000                    | 0.000                  | 1.0                | 1.842                       |                             | 43.204                   |
| Filter Trench Drain (2) | FEH: 100 years: +40 %: 15 mins: Summer | 84.619            | 84.619            | 0.476             | 0.489             | 1.2               | 0.434                     | 0.000                    | 0.000                  | 0.5                | 0.488                       | 0                           | 48.579                   |

|                                                                                            |                                                 |                    |                     |                                                                                    |
|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>23/03/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

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



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|------------------------------------------------------------------------------------|--|-------------------------------------------------|--------------------|------------------------------------------------------------------------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           |  | Date:<br>23/03/2026                             |                    |  |                     |
|                                                                                    |  | Designed by:<br>TW                              | Checked by:<br>PCh |                                                                                    | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW |  | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                                                                                    |                     |



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

| Connection | Storm Event                          | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|--------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 2 years: +0 %: 60 mins: Winter  | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.241                  | 0.150               | 0.634                 | 0.3                 | 0.01            | 0.3             | OK         |
| 1.000      | FEH: 2 years: +0 %: 15 mins: Summer  | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.239                  | 0.091               | 0.194                 | 0.1                 | 0.01            | 0.4             | OK         |
| 1.001      | FEH: 2 years: +0 %: 120 mins: Summer | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.235                  | 0.018               | 3.734                 | 0.5                 | 0.03            | 0.6             | Surcharged |
| 2.001      | FEH: 2 years: +0 %: 15 mins: Summer  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.205                  | 0.100               | 0.264                 | 0.3                 | 0.03            | 0.7             | OK         |
| 2.000      | FEH: 2 years: +0 %: 15 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.360                  | 0.037               | 0.290                 | 0.5                 | 0.01            | 0.7             | OK         |

|                                                                                    |  |                                                 |                    |                                                                                    |                     |
|------------------------------------------------------------------------------------|--|-------------------------------------------------|--------------------|------------------------------------------------------------------------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           |  | Date:<br>23/03/2026                             |                    |  |                     |
|                                                                                    |  | Designed by:<br>TW                              | Checked by:<br>PCh |                                                                                    | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW |  | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                                                                                    |                     |



FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                           | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|---------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 30 years: +0 %: 360 mins: Summer | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.431                  | 0.150               | 2.118                 | 0.3                 | 0.02            | 0.5             | Surcharged |
| 1.000      | FEH: 30 years: +0 %: 480 mins: Summer | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.364                  | 0.150               | 7.749                 | 0.1                 | 0.02            | 1.0             | OK         |
| 1.001      | FEH: 30 years: +0 %: 60 mins: Winter  | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.487                  | 0.022               | 5.002                 | 0.6                 | 0.04            | 0.9             | Surcharged |
| 2.001      | FEH: 30 years: +0 %: 15 mins: Summer  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.392                  | 0.150               | 0.403                 | 0.4                 | 0.03            | 0.7             | Surcharged |
| 2.000      | FEH: 30 years: +0 %: 15 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.398                  | 0.150               | 0.621                 | 0.3                 | 0.02            | 1.5             | OK         |

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>23/03/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                            | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|----------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 100 years: +0 %: 15 mins: Summer  | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.471                  | 0.150               | 0.296                 | 0.4                 | 0.02            | 0.6             | Surcharged |
| 1.000      | FEH: 100 years: +0 %: 120 mins: Summer | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.610                  | 0.150               | 3.674                 | 0.1                 | 0.02            | 1.1             | Surcharged |
| 1.001      | FEH: 100 years: +0 %: 60 mins: Winter  | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.616                  | 0.023               | 5.602                 | 0.6                 | 0.05            | 1.0             | Surcharged |
| 2.001      | FEH: 100 years: +0 %: 15 mins: Summer  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.465                  | 0.150               | 0.427                 | 0.4                 | 0.04            | 1.0             | Surcharged |
| 2.000      | FEH: 100 years: +0 %: 15 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.472                  | 0.150               | 0.709                 | 0.4                 | 0.02            | 1.8             | OK         |

|                                                                                    |  |                                                 |                    |                                                                                    |                     |
|------------------------------------------------------------------------------------|--|-------------------------------------------------|--------------------|------------------------------------------------------------------------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           |  | Date:<br>23/03/2026                             |                    |  |                     |
|                                                                                    |  | Designed by:<br>TW                              | Checked by:<br>PCh |                                                                                    | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW |  | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                                                                                    |                     |



FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                             | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|-----------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 100 years: +40 %: 15 mins: Winter  | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.623                  | 0.150               | 0.262                 | 0.3                 | 0.03            | 0.8             | Surcharged |
| 1.000      | FEH: 100 years: +40 %: 120 mins: Summer | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.848                  | 0.150               | 2.774                 | 0.1                 | 0.02            | 1.1             | Flood Risk |
| 1.001      | FEH: 100 years: +40 %: 60 mins: Summer  | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.844                  | 0.025               | 6.559                 | 0.6                 | 0.05            | 1.2             | Surcharged |
| 2.001      | FEH: 100 years: +40 %: 30 mins: Winter  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.755                  | 0.150               | 0.717                 | 0.4                 | 0.04            | 0.9             | Surcharged |
| 2.000      | FEH: 100 years: +40 %: 30 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.760                  | 0.150               | 1.188                 | 0.4                 | 0.02            | 1.7             | Surcharged |

**APPENDIX C – PROPOSED DRAINAGE STRATEGY & INSTALLATION DETAILS**

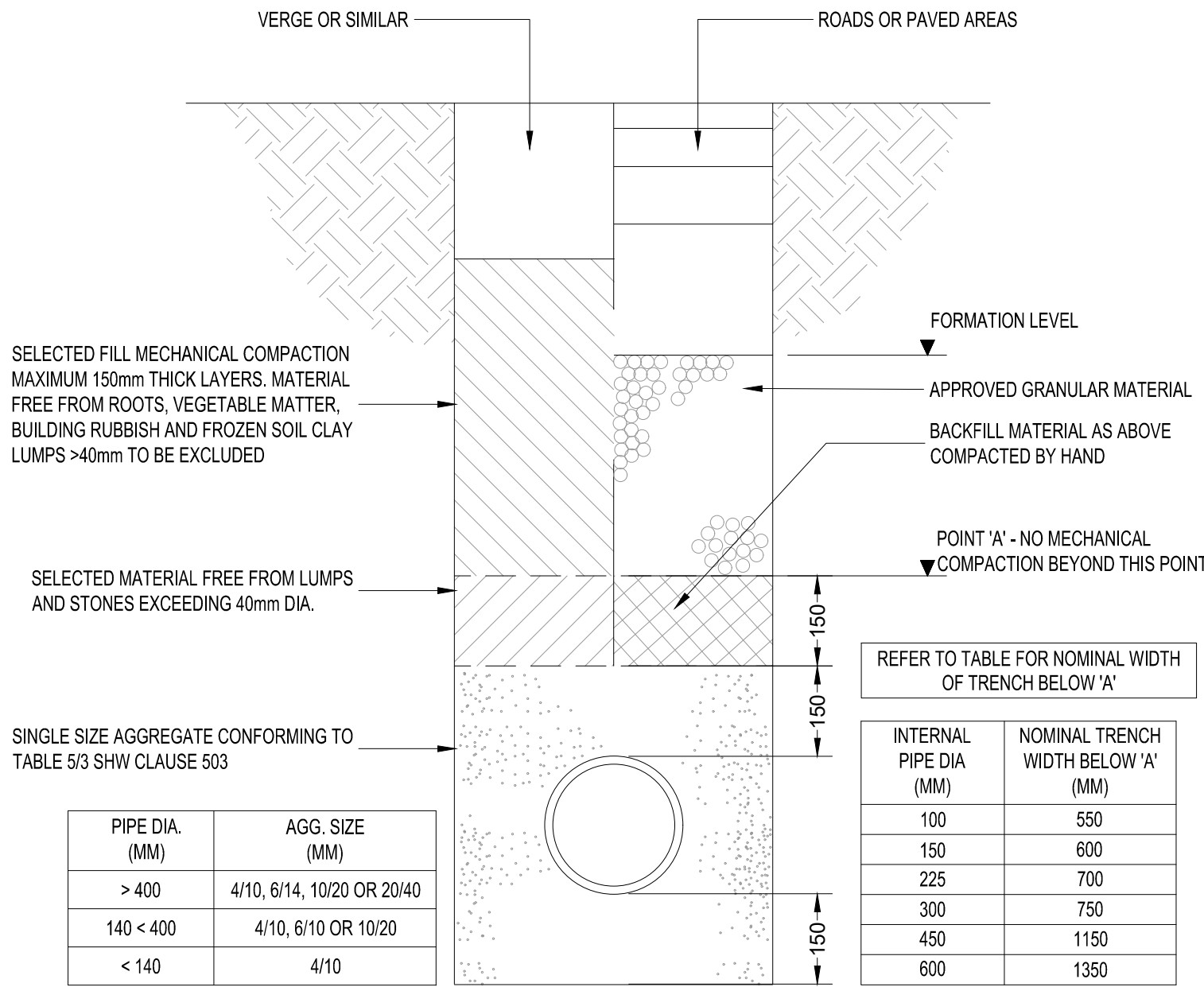




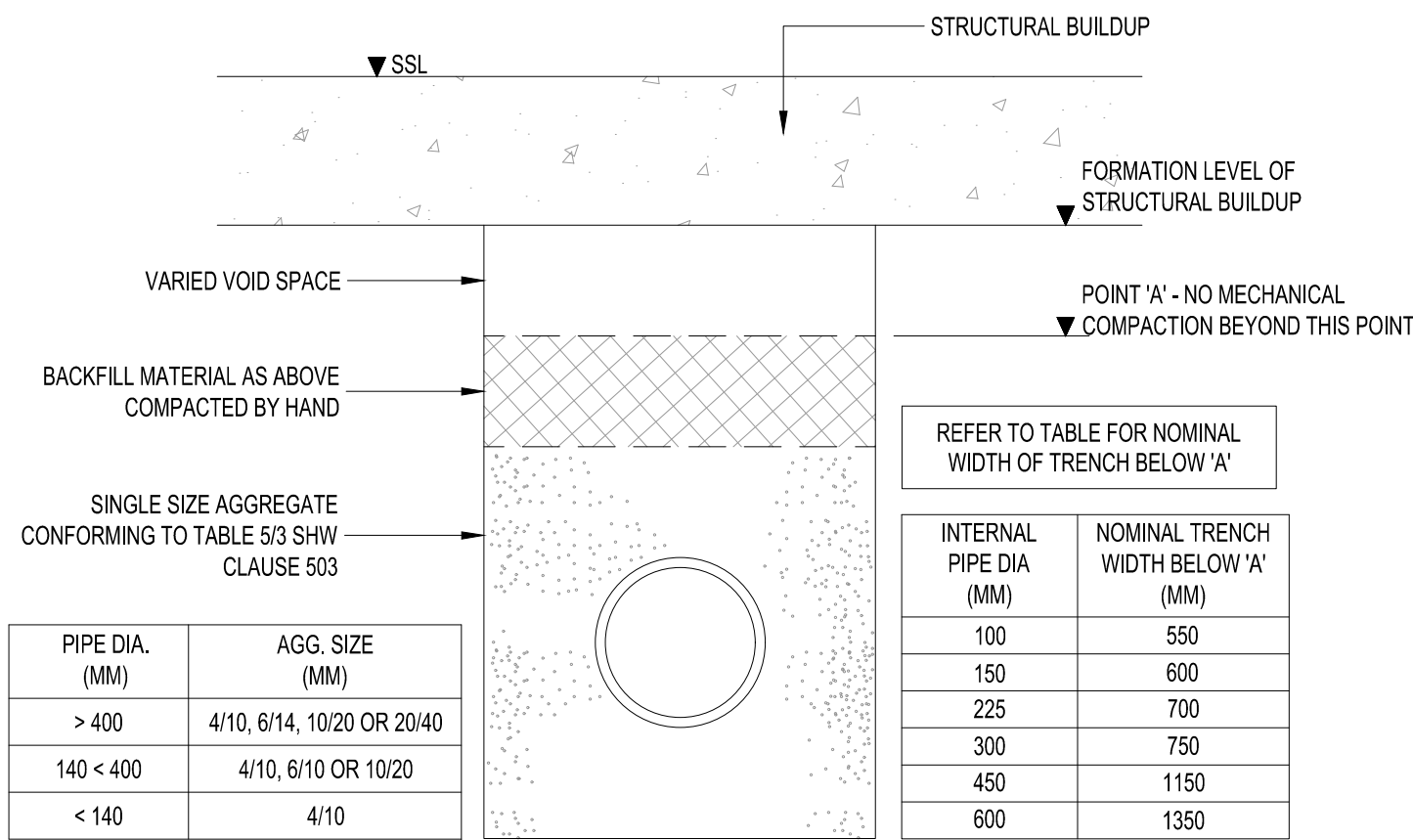


NOTES:

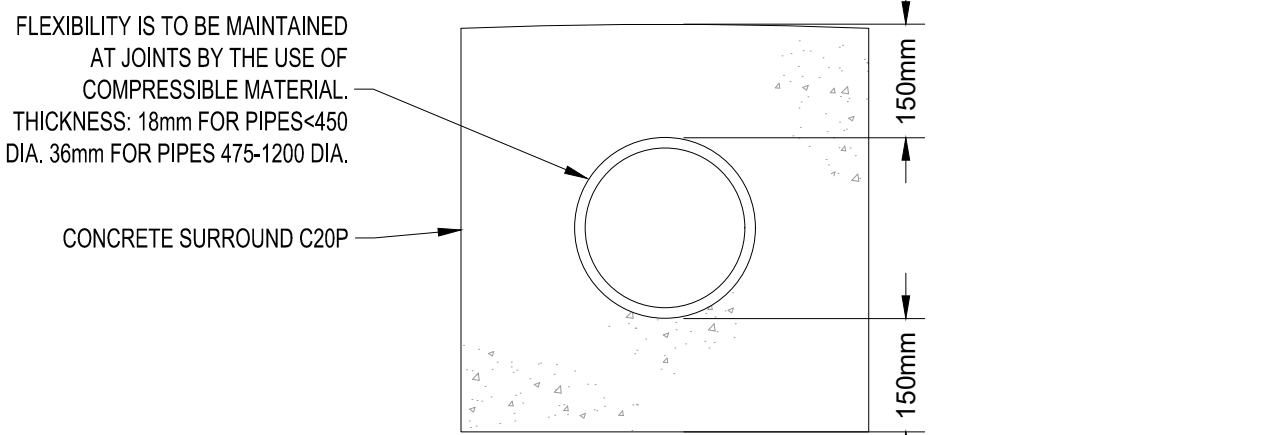
1. PIPEWORK LAID IN TYPE S GENERALLY BUT ARE LAID IN TYPE Z WHERE COVER IS LESS THAN:  
600mm UNDER SOFT LANDSCAPED AREAS  
900mm UNDER NON TRAFFICKED AREAS I.E. FOOTPATHS  
1200mm UNDER ROADS



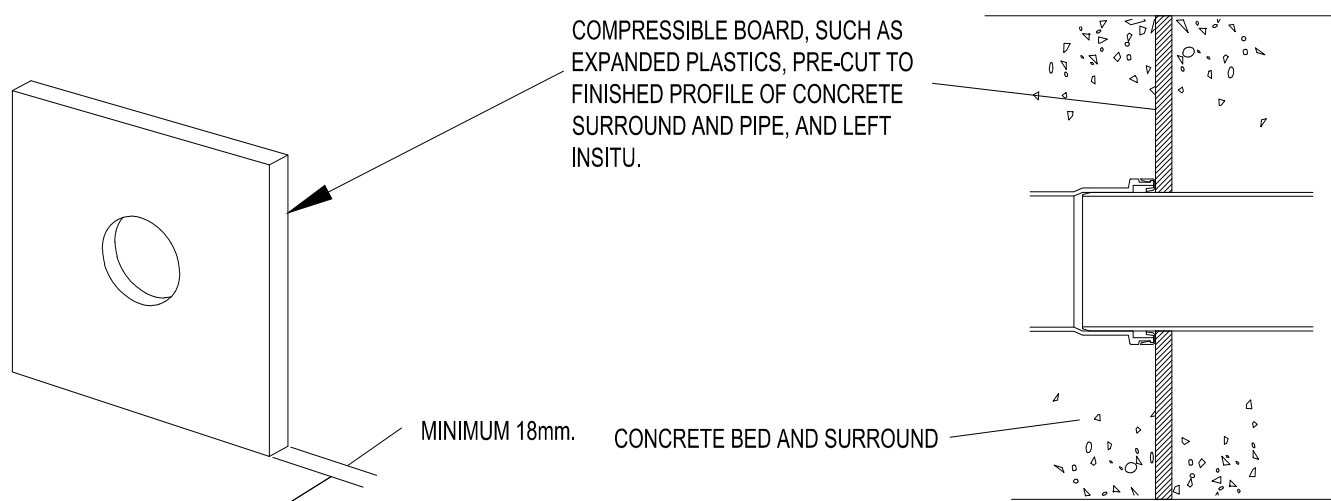
TYPICAL SECTION  
PIPE BEDDING AND SURROUND - EXTERNAL  
GRANULAR BEDDING - TYPE S  
SCALE: 1:10



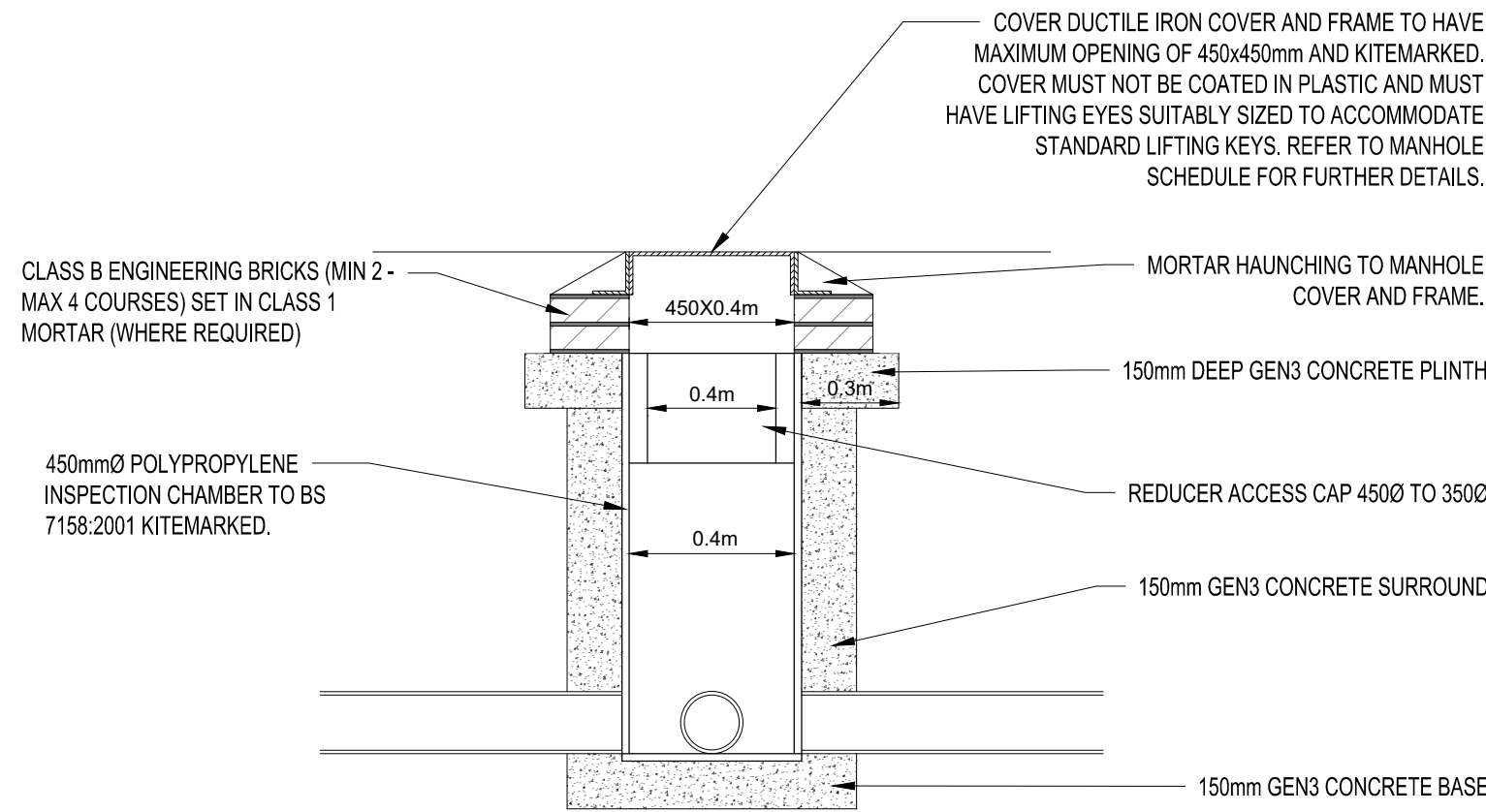
TYPICAL SECTION  
PIPE BEDDING AND SURROUND - UNDER BUILDINGS (IN LOCATIONS OF NEW SLABS)  
GRANULAR BEDDING - TYPE W  
SCALE: 1:10



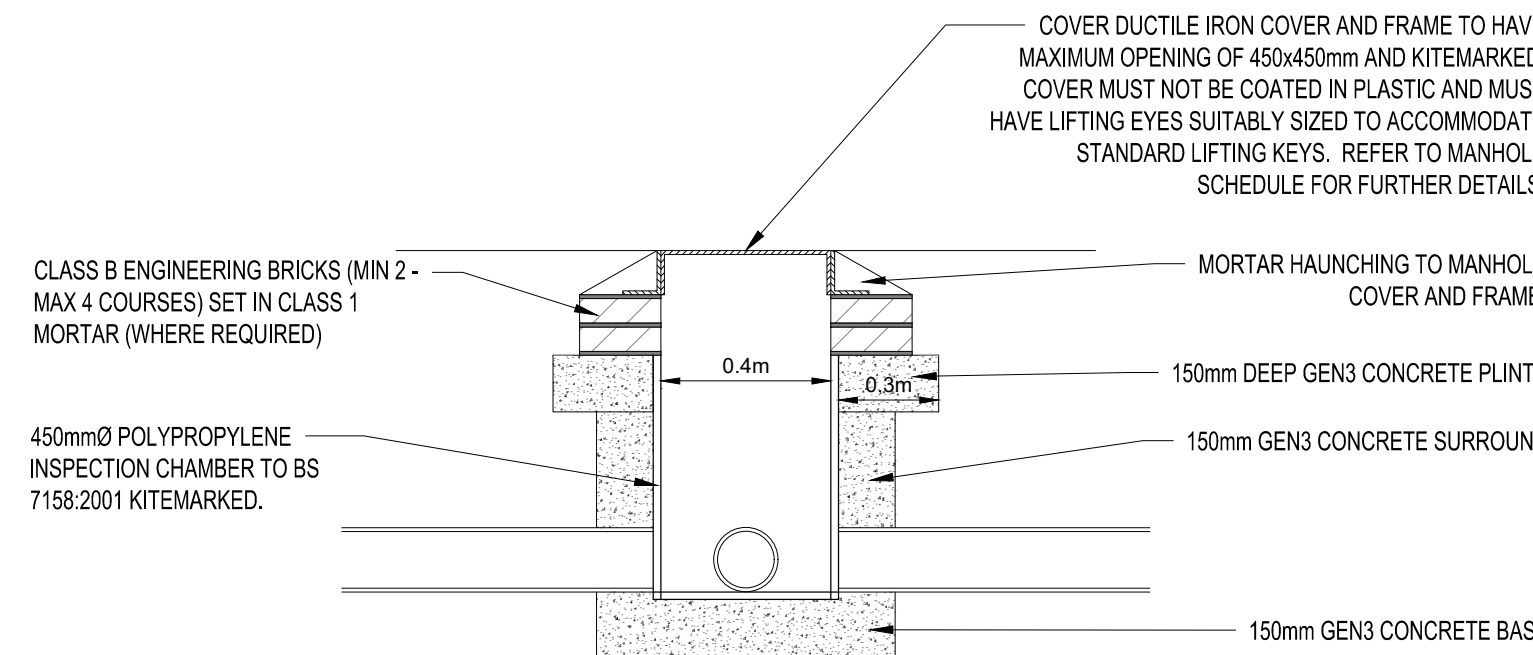
TYPICAL SECTION  
PIPE BEDDING AND SURROUND - EXTERNAL  
CONCRETE SURROUND - TYPE Z  
SCALE: 1:10



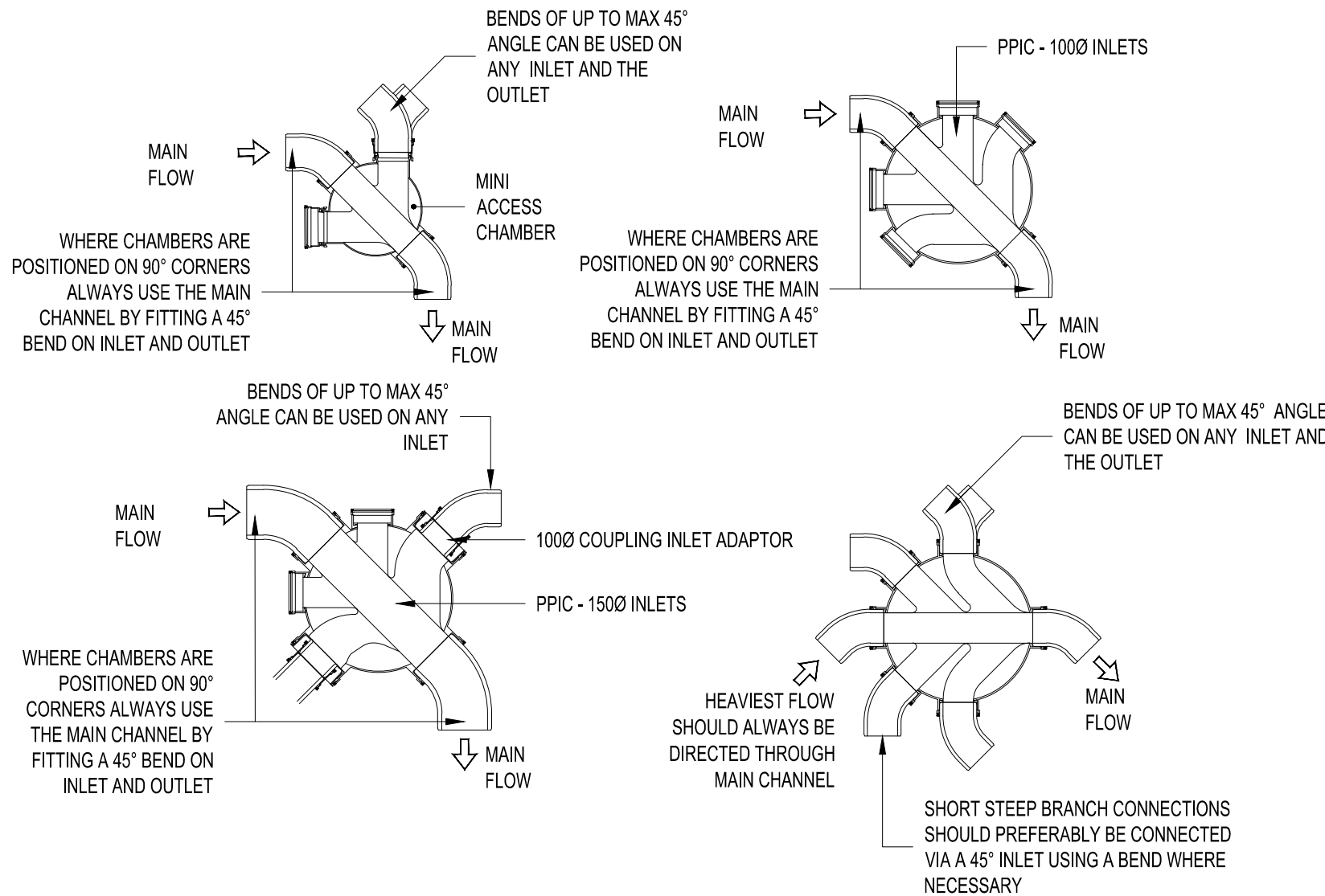
FLEXIBLE JOINT DETAIL  
(I.E. WHERE CONCRETE SURROUND AT PIPE JOINT).  
SCALE: 1:10



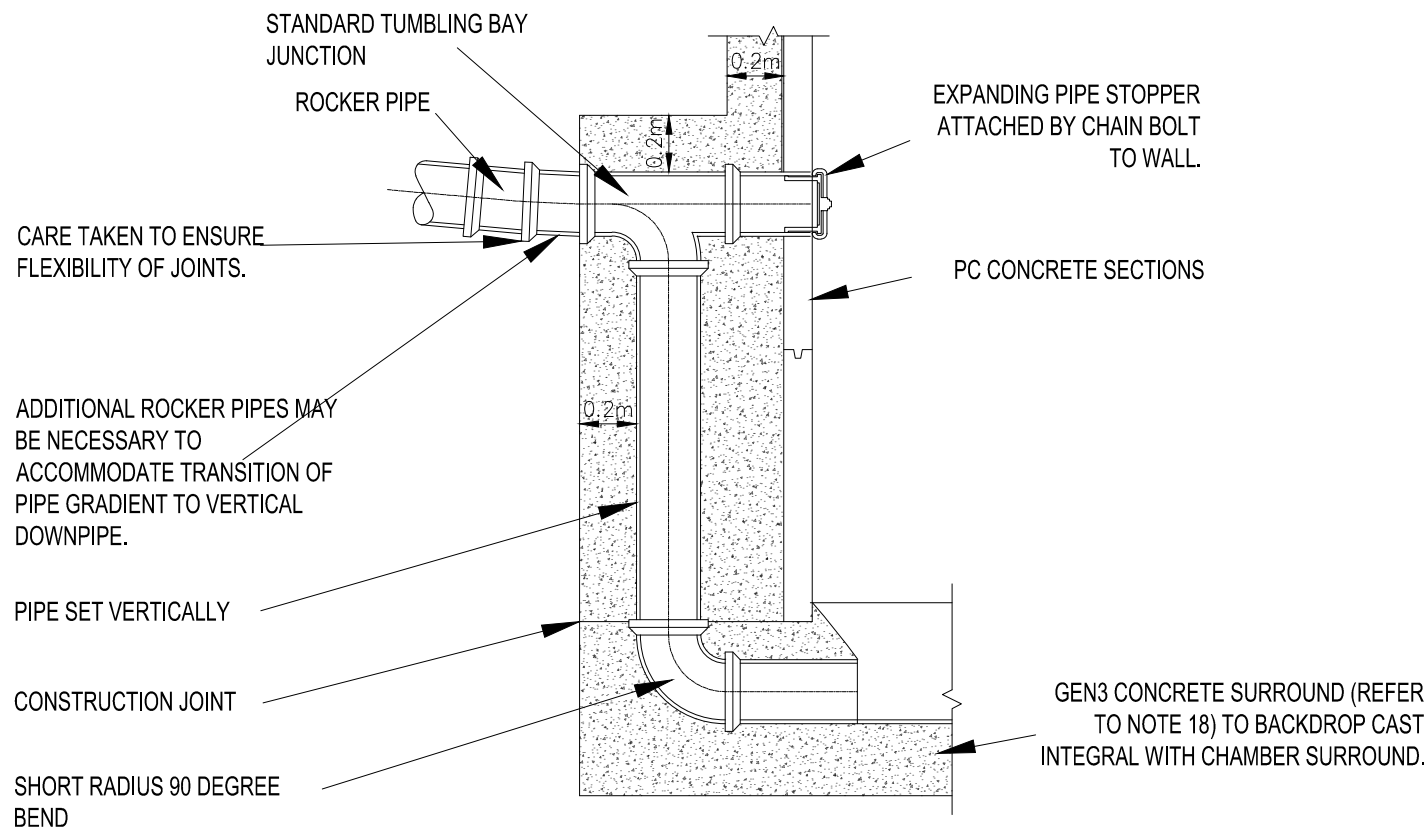
INSPECTION CHAMBER (DEEP)  
FOR A DEPTH OF CHAMBER GREATER THAN 1.2m, MAXIMUM DEPTH OF 3m  
SCALE 1:20 @ A1



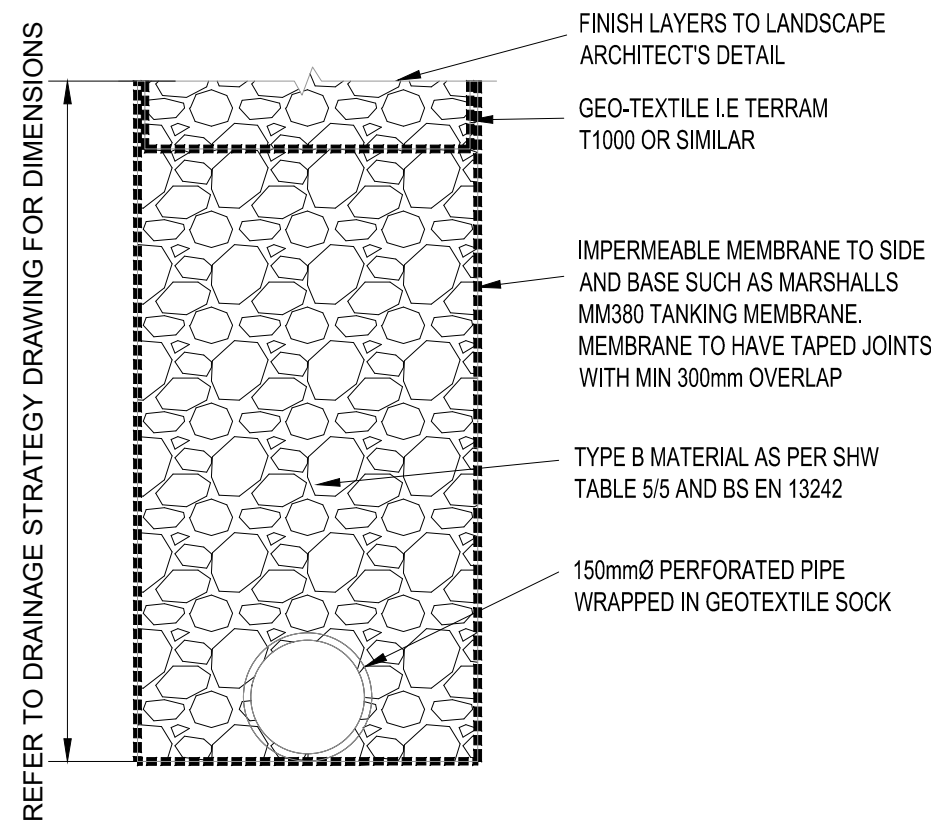
INSPECTION CHAMBER (SHALLOW)  
FOR A DEPTH OF CHAMBER FROM COVER LEVEL TO INVERT LEVEL OF PIPE CHAMBER LESS THAN 1.2m  
SCALE 1:20 @ A1



PLAN  
MINI ACCESS CHAMBER / PPIC TYPICAL INSTALLATION DETAILS  
SCALE: 1:20



TYPICAL VERTICAL BACKDROP  
SCALE 1:20



LINED FILTER TRENCH DRAIN DETAIL  
SCALE 1:10

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CDM REGULATIONS 2015

Significant or non-obvious risks and risks which are difficult to manage are identified on this drawing using the following symbol identified to the right with brief accompanying text. For further details of the risks identified by designers, reference should be made to CDM hazard register.



|             |                 |            |    |      |
|-------------|-----------------|------------|----|------|
| P01         | First issue     | 23/03/2026 | TW | PCh  |
| REV         | DESCRIPTION     | DATE       | BY | CHKD |
| ORIGINATOR: | www.ridge.co.uk |            |    |      |

RIDGE

PROJECT NUMBER: 5033004

CLIENT:

STEEL FRAME SYSTEMS LTD

IN ASSOCIATION WITH:

PROJECT:

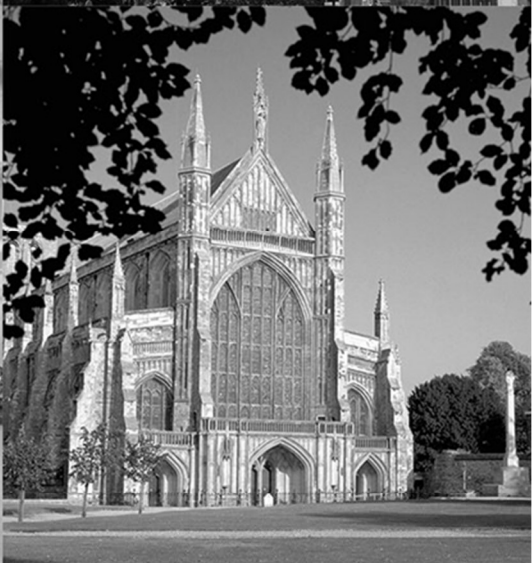
SFS - CRABBET PARK, OFFICE TO RESI

TITLE:

DRAINAGE DETAILS

|                                                               |      |                 |          |              |                          |
|---------------------------------------------------------------|------|-----------------|----------|--------------|--------------------------|
| DRAWN BY:                                                     | TW   | CHECKED BY:     | PCh      | APPROVED BY: | PCh                      |
| SCALE @ A1:                                                   | 1:50 | DATE OF REVIEW: | MAR 2026 |              |                          |
| ISO 19650 STATUS:                                             |      |                 |          |              |                          |
| S2 - Issued for Information                                   |      |                 |          |              |                          |
| DRAWING No: 5033004-RDG-XX-XX-T-C-110501 Drainage Details.dwg |      |                 |          |              |                          |
| PROJECT:                                                      | ORG: | FUNCTION:       | SPATIAL: | FORM:        | DISCIPLINE: NUMBER: REV: |
| 5033004                                                       | RDG  | XX              | XX       | D            | C 110501 P01             |





# RIDGE



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**APPENDIX B - PROPOSED BELOW GROUND DRAINAGE STRATEGY**



**APPENDIX C – PROPOSED SURFACE WATER CALCULATIONS**



|                                                                        |                     |                                                 |                     |                                                                                    |
|------------------------------------------------------------------------|---------------------|-------------------------------------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>14/05/2026 |                                                 |                     |  |
|                                                                        | Designed by:<br>TW  | Checked by:<br>PCh                              | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW |                     | Company Address:<br>3 Valentines Place, SE1 8QH |                     |                                                                                    |
|                                                                        |                     |                                                 |                     |                                                                                    |
|                                                                        |                     |                                                 |                     |                                                                                    |



Catchment Area (1)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area (2)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area (3)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.003 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area (7)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |

|                                                                        |                                                 |                    |                     |
|------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>14/05/2026                             |                    |                     |
|                                                                        | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





Catchment Area (5)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.001 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.004 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area (4)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |



Catchment Area (8)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

|                                      |                       |
|--------------------------------------|-----------------------|
| Runoff Method                        | Time of Concentration |
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |

|                                                                        |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi               | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                        | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflows<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                        |                                                 |                    |                     |                                                                                    |



Catchment Area (9)

Type : Catchment Area

|           |       |
|-----------|-------|
| Area (ha) | 0.002 |
|-----------|-------|

Dynamic Sizing

| Runoff Method                        | Time of Concentration |
|--------------------------------------|-----------------------|
| Summer Volumetric Runoff             | 1.000                 |
| Winter Volumetric Runoff Coefficient | 1.000                 |
| Time of Concentration (mins)         | 5                     |
| Percentage Impervious (%)            | 100                   |

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





Filter Trench Drain

Type : Infiltration Trench

Dimensions

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.021 |
| Depth (m)            | 0.801  |
| Base Level (m)       | 84.220 |
| Freeboard (mm)       | 191    |
| Porosity (%)         | 30     |
| Length (m)           | 7.367  |
| Long. Slope (1:X)    | 500.00 |
| Width (m)            | 0.800  |
| Total Volume (m³)    | 1.170  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                     |             |
|---------------------|-------------|
| Outgoing Connection | 1.000       |
| Outlet Type         | Under Drain |

Advanced

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|

|                                                                                    |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                                    |                                                 |                    |                     |                                                                                    |



Filter Trench Drain (1)

Type : Infiltration Trench

Dimensions

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.230 |
| Depth (m)            | 1.230  |
| Base Level (m)       | 84.000 |
| Freeboard (mm)       | 214    |
| Porosity (%)         | 30     |
| Length (m)           | 18.115 |
| Long. Slope (1:X)    | 500.00 |
| Width (m)            | 1.000  |
| Total Volume (m³)    | 5.746  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet (1)

|                          |         |
|--------------------------|---------|
| Outgoing Connection      | 1.001   |
| Outlet Type              | Orifice |
| Diameter (m)             | 0.020   |
| Coefficient of Discharge | 0.600   |
| Invert Level (m)         | 84.000  |

Advanced

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|



|                                                                                    |                                                 |                    |                     |                                                                                    |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |
|                                                                                    |                                                 |                    |                     |                                                                                    |



Filter Trench Drain (2)

Type : Infiltration Trench

Dimensions

|                      |        |
|----------------------|--------|
| Exceedance Level (m) | 85.100 |
| Depth (m)            | 0.970  |
| Base Level (m)       | 84.130 |
| Freeboard (mm)       | 100    |
| Porosity (%)         | 30     |
| Length (m)           | 5.000  |
| Long. Slope (1:X)    | 400.00 |
| Width (m)            | 0.600  |
| Total Volume (m³)    | 0.845  |

Under Drain

|                       |             |
|-----------------------|-------------|
| Height Above Base (m) | 0.000       |
| Diameter (mm)         | 150         |
| No. of Barrels        | 1           |
| Release Height (m)    | 0.000       |
| Friction Scheme       | Manning's n |
| n                     | 0.015       |

Outlets

Outlet

|                     |                |
|---------------------|----------------|
| Outgoing Connection | 2.001          |
| Outlet Type         | Free Discharge |

Advanced

|                     |      |
|---------------------|------|
| Conductivity (m/hr) | 50.0 |
|---------------------|------|

|                                                                            |                                                 |                    |                     |                                                                                    |
|----------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                   | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Connections<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

| Name  | From                    | To                      | Length (m) | Connection Type | Slope (1:X) | Manning's n | Colebrook-White Roughness (mm) | Diameter / Base Width (mm) |
|-------|-------------------------|-------------------------|------------|-----------------|-------------|-------------|--------------------------------|----------------------------|
| 2.002 | S1                      | Filter Trench Drain (1) | 1.801      | Pipe            | 42.886      |             | 0.6                            | 150                        |
| 1.000 | Filter Trench Drain     | Filter Trench Drain (1) | 1.959      | Pipe            | 10.658      |             | 0.6                            | 150                        |
| 1.001 | Filter Trench Drain (1) | EX_S7                   | 1.325      | Pipe            | 66.273      |             | 0.6                            | 150                        |
| 2.001 | Filter Trench Drain (2) | S1                      | 2.292      | Pipe            | 60.318      |             | 0.6                            | 150                        |
| 2.000 | S2                      | Filter Trench Drain (2) | 1.063      | Pipe            | 5.122       |             | 0.6                            | 150                        |

| Name  | Upstream Cover Level (m) | Upstream Invert Level (m) | Downstream Cover Level (m) | Downstream Invert Level (m) | Part Family | Lock   | Flow Restriction (L/s) | Velocity (m/s) |
|-------|--------------------------|---------------------------|----------------------------|-----------------------------|-------------|--------|------------------------|----------------|
| 2.002 | 85.130                   | 84.092                    | 85.266                     | 84.050                      |             | Levels |                        |                |
| 1.000 | 85.036                   | 84.220                    | 85.266                     | 84.036                      |             | None   | 0.0                    |                |
| 1.001 | 85.266                   | 84.000                    | 85.270                     | 83.980                      |             | Levels | 0.8                    |                |
| 2.001 | 85.113                   | 84.130                    | 85.130                     | 84.092                      |             | None   |                        |                |
| 2.000 | 85.100                   | 84.350                    | 85.113                     | 84.143                      |             | None   |                        |                |

| Name  | Culvert Type | Culvert Entrance | Wall Thickness (mm) | Material | Trench Width (mm) | Bedding Material | Surrounding Material |
|-------|--------------|------------------|---------------------|----------|-------------------|------------------|----------------------|
| 2.002 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 1.000 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 1.001 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 2.001 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |
| 2.000 | (None)       | (None)           | 0                   |          | 0                 |                  |                      |

|                                                                               |  |                                                 |                     |                                                                                    |
|-------------------------------------------------------------------------------|--|-------------------------------------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                      |  | Date:<br>14/05/2026                             |                     |  |
| Designed by:<br>TW                                                            |  | Checked by:<br>PCh                              | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Inflow Summary<br>Storm Phase: 5033044 - Proposed SW |  | Company Address:<br>3 Valentines Place, SE1 8QH |                     |                                                                                    |

| Inflow Label       | Connected To            | Flow (L/s) | Runoff Method         | Area (ha)    | Percentage Impervious (%) | Urban Creep (%) | Adjusted Percentage Impervious (%) | Area Analysed (ha) |
|--------------------|-------------------------|------------|-----------------------|--------------|---------------------------|-----------------|------------------------------------|--------------------|
| Catchment Area     | Filter Trench Drain (1) |            | Time of Concentration | 0.004        | 100                       | 10              | 110                                | 0.004              |
| Catchment Area (1) | Filter Trench Drain (1) |            | Time of Concentration | 0.001        | 100                       | 10              | 110                                | 0.001              |
| Catchment Area (2) | Filter Trench Drain (1) |            | Time of Concentration | 0.001        | 100                       | 10              | 110                                | 0.001              |
| Catchment Area (3) | Filter Trench Drain (1) |            | Time of Concentration | 0.003        | 100                       | 10              | 110                                | 0.004              |
| Catchment Area (4) | Filter Trench Drain (1) |            | Time of Concentration | 0.002        | 100                       | 10              | 110                                | 0.002              |
| Catchment Area (5) | S1                      |            | Time of Concentration | 0.001        | 100                       | 10              | 110                                | 0.001              |
| Catchment Area (7) | S2                      |            | Time of Concentration | 0.002        | 100                       | 10              | 110                                | 0.002              |
| Catchment Area (8) | Filter Trench Drain     |            | Time of Concentration | 0.002        | 100                       | 10              | 110                                | 0.002              |
| Catchment Area (9) | S2                      |            | Time of Concentration | 0.002        | 100                       | 10              | 110                                | 0.002              |
| <b>TOTAL</b>       |                         | <b>0.0</b> |                       | <b>0.018</b> |                           |                 |                                    | <b>0.020</b>       |

|                                                                                |                                                 |                    |                     |                                                                                    |
|--------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                       | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                                | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Outfall Details<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |

Outfalls

| Outfall | Outfall Type   | Gated | Fixed Surcharged Level (m) | Level Curve |
|---------|----------------|-------|----------------------------|-------------|
| EX_S7   | Free Discharge |       |                            |             |

|                                                          |                                                 |                    |                     |                                                                                     |
|----------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|-------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi | Date:<br>14/05/2026                             |                    |                     |  |
|                                                          | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                     |
| Report Title:<br>UK and Ireland Rural Runoff Calculator  | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                     |

ICP SUDS / IH 124

Details

| Method                | ICP SUDS |
|-----------------------|----------|
| Area (ha)             | 0.02     |
| SAAR (mm)             | 855.0    |
| Soil                  | 0.47     |
| Region                | Region 7 |
| Urban                 | 0        |
| Return Period (years) | 0        |

Results

| Region   | QBAR Rural (L/s) | QBAR Urban (L/s) | Q 1 (years) (L/s) | Q 30 (years) (L/s) | Q 100 (years) (L/s) |
|----------|------------------|------------------|-------------------|--------------------|---------------------|
| Region 7 | 0.1              | 0.1              | 0.1               | 0.3                | 0.4                 |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>14/05/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





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

| 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     |
|----------|--------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 2 years: +0 %: 240 mins: Summer | 85.270          | 83.670           | 83.670         | 0.000          | 0.5               | 0.000                     | 0.000                    | 0.5                | 11.736                      | OK         |
| S1       | FEH: 2 years: +0 %: 120 mins: Summer | 85.130          | 84.092           | 84.370         | 0.278          | 0.6               | 0.044                     | 0.000                    | 0.6                | 6.122                       | Surcharged |
| S2       | FEH: 2 years: +0 %: 15 mins: Summer  | 85.100          | 84.350           | 84.360         | 0.010          | 0.7               | 0.002                     | 0.000                    | 0.7                | 0.314                       | OK         |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>14/05/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|---------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 30 years: +0 %: 120 mins: Winter | 85.270          | 83.670           | 83.670         | 0.000          | 0.6               | 0.000                     | 0.000                    | 0.6                | 42.894                      | OK         |
| S1       | FEH: 30 years: +0 %: 15 mins: Summer  | 85.130          | 84.092           | 84.439         | 0.347          | 1.5               | 0.055                     | 0.000                    | 0.5                | 0.300                       | Surcharged |
| S2       | FEH: 30 years: +0 %: 15 mins: Summer  | 85.100          | 84.350           | 84.438         | 0.088          | 1.6               | 0.014                     | 0.000                    | 1.6                | 0.630                       | OK         |

|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>14/05/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 100 years: +0 %: 120 mins: Winter | 85.270          | 83.670           | 83.670         | 0.000          | 0.7               | 0.000                     | 0.000                    | 0.7                | 43.922                      | OK         |
| S1       | FEH: 100 years: +0 %: 30 mins: Winter  | 85.130          | 84.092           | 84.642         | 0.550          | 1.1               | 0.087                     | 0.000                    | 0.9                | 6.531                       | Surcharged |
| S2       | FEH: 100 years: +0 %: 15 mins: Summer  | 85.100          | 84.350           | 84.523         | 0.173          | 2.0               | 0.027                     | 0.000                    | 2.0                | 0.711                       | Surcharged |



|                                                                                  |                                                 |                    |                     |
|----------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                         | Date:<br>14/05/2026                             |                    |                     |
|                                                                                  | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Junctions Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Outflow

| 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     |
|----------|-----------------------------------------|-----------------|------------------|----------------|----------------|-------------------|---------------------------|--------------------------|--------------------|-----------------------------|------------|
| EX_S7    | FEH: 100 years: +40 %: 240 mins: Summer | 85.270          | 83.670           | 83.670         | 0.000          | 0.8               | 0.000                     | 0.000                    | 0.8                | 18.250                      | OK         |
| S1       | FEH: 100 years: +40 %: 15 mins: Summer  | 85.130          | 84.092           | 84.691         | 0.599          | 1.5               | 0.095                     | 0.000                    | 0.8                | 0.302                       | Surcharged |
| S2       | FEH: 100 years: +40 %: 15 mins: Winter  | 85.100          | 84.350           | 84.685         | 0.335          | 2.7               | 0.053                     | 0.000                    | 1.3                | 0.897                       | Surcharged |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |



FEH: 2 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 2 years: +0 %: 15 mins: Summer | 84.256            | 84.241            | 0.021             | 0.021             | 0.5               | 0.035                     | 0.000                    | 0.000                  | 0.5                | 0.224                       |                             | 97.027                   |
| Filter Trench Drain (1) | FEH: 2 years: +0 %: 15 mins: Summer | 84.242            | 84.241            | 0.205             | 0.241             | 3.5               | 1.213                     | 0.000                    | 0.000                  | 0.4                | 0.531                       |                             | 78.887                   |
| Filter Trench Drain (2) | FEH: 2 years: +0 %: 15 mins: Summer | 84.241            | 84.241            | 0.098             | 0.111             | 0.7               | 0.094                     | 0.000                    | 0.000                  | 0.5                | 0.242                       |                             | 88.821                   |

|                                                          |                                                                                            |                    |                     |                                                                                    |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi | Date:<br>14/05/2026                                                                        |                    |                     |  |
|                                                          | Designed by:<br>TW                                                                         | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
|                                                          | Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW |                    |                     |                                                                                    |
| Company Address:<br>3 Valentines Place, SE1 8QH          |                                                                                            |                    |                     |                                                                                    |

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| Status |
| OK     |
| OK     |
| OK     |

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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>14/05/2026                             |                    |                     |  |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |                                                                                    |



FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|-----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 30 years: +0<br>%: 15 mins: Summer | 84.439            | 84.440            | 0.204             | 0.220             | 1.2               | 0.376                     | 0.000                    | 0.000                  | 0.2                | 0.461                       |                             | 67.892                   |
| Filter Trench Drain (1) | FEH: 30 years: +0<br>%: 15 mins: Summer | 84.440            | 84.438            | 0.404             | 0.438             | 6.6               | 2.288                     | 0.000                    | 0.000                  | 0.5                | 0.997                       |                             | 60.177                   |
| Filter Trench Drain (2) | FEH: 30 years: +0<br>%: 15 mins: Summer | 84.438            | 84.439            | 0.295             | 0.309             | 1.6               | 0.272                     | 0.000                    | 0.000                  | 0.9                | 0.398                       |                             | 67.821                   |

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|----------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi | Date:<br>14/05/2026                                                                        |                    |                     |  |
|                                                          | Designed by:<br>TW                                                                         | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
|                                                          | Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW |                    |                     |                                                                                    |
| Company Address:<br>3 Valentines Place, SE1 8QH          |                                                                                            |                    |                     |                                                                                    |

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| Status |
| OK     |
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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>14/05/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|---------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 100 years: +0 %: 15 mins: Summer | 84.524            | 84.524            | 0.289             | 0.304             | 1.6               | 0.524                     | 0.000                    | 0.000                  | 1.0                | 0.479                       |                             | 55.213                   |
| Filter Trench Drain (1) | FEH: 100 years: +0 %: 15 mins: Summer | 84.524            | 84.523            | 0.488             | 0.523             | 7.8               | 2.748                     | 0.000                    | 0.000                  | 0.6                | 1.176                       |                             | 52.176                   |
| Filter Trench Drain (2) | FEH: 100 years: +0 %: 15 mins: Summer | 84.523            | 84.524            | 0.380             | 0.394             | 2.0               | 0.348                     | 0.000                    | 0.000                  | 0.8                | 0.397                       |                             | 58.786                   |

|                                                          |                                                                                            |                    |                     |                                                                                    |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi | Date:<br>14/05/2026                                                                        |                    |                     |  |
|                                                          | Designed by:<br>TW                                                                         | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
|                                                          | Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW |                    |                     |                                                                                    |
| Company Address:<br>3 Valentines Place, SE1 8QH          |                                                                                            |                    |                     |                                                                                    |

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| Status |
| OK     |
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|--------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                                   | Date:<br>14/05/2026                             |                    |                     |
|                                                                                            | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flooded Volume

| 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 (%) |
|-------------------------|-----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------------------------|--------------------------|------------------------|--------------------|-----------------------------|-----------------------------|--------------------------|
| Filter Trench Drain     | FEH: 100 years: +40 %: 240 mins: Winter | 85.119            | 85.120            | 0.884             | 0.900             | 0.5               | 1.939                     | 0.536                    | 0.000                  | 0.9                | 8.295                       | 250                         | -65.775                  |
| Filter Trench Drain (1) | FEH: 100 years: +40 %: 15 mins: Summer  | 84.691            | 84.691            | 0.654             | 0.691             | 10.7              | 3.655                     | 0.000                    | 0.000                  | 0.7                | 1.529                       |                             | 36.387                   |
| Filter Trench Drain (2) | FEH: 100 years: +40 %: 15 mins: Summer  | 84.691            | 84.691            | 0.548             | 0.561             | 1.3               | 0.499                     | 0.000                    | 0.000                  | 0.6                | 0.430                       |                             | 40.926                   |



|                                                          |                                                                                            |                    |                     |                                                                                    |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------|---------------------|------------------------------------------------------------------------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi | Date:<br>14/05/2026                                                                        |                    |                     |  |
|                                                          | Designed by:<br>TW                                                                         | Checked by:<br>PCh | Approved By:<br>PCh |                                                                                    |
|                                                          | Report Details:<br>Type: Stormwater Controls Summary<br>Storm Phase: 5033044 - Proposed SW |                    |                     |                                                                                    |
| Company Address:<br>3 Valentines Place, SE1 8QH          |                                                                                            |                    |                     |                                                                                    |

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| Status |
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| OK     |

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|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





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

| Connection | Storm Event                             | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|-----------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 2 years: +0<br>%: 120 mins: Summer | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.370                  | 0.150               | 0.360                 | 0.3                 | 0.02            | 0.6             | Surcharged |
| 1.000      | FEH: 2 years: +0<br>%: 120 mins: Summer | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.363                  | 0.150               | 42.116                | 0.1                 | 0.02            | 1.0             | OK         |
| 1.001      | FEH: 2 years: +0<br>%: 240 mins: Summer | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.352                  | 0.016               | 11.736                | 0.5                 | 0.02            | 0.5             | Surcharged |
| 2.001      | FEH: 2 years: +0<br>%: 15 mins: Summer  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.235                  | 0.130               | 0.242                 | 0.3                 | 0.02            | 0.5             | OK         |
| 2.000      | FEH: 2 years: +0<br>%: 15 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.360                  | 0.050               | 0.314                 | 0.5                 | 0.01            | 0.7             | OK         |

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 30 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                              | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status      |
|------------|------------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|-------------|
| 2.002      | FEH: 30 years: +0<br>%: 15 mins: Summer  | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.439                  | 0.150               | 0.196                 | 0.4                 | 0.02            | 0.5             | Surcharg ed |
| 1.000      | FEH: 30 years: +0<br>%: 960 mins: Winter | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.400                  | 0.150               | 39.774                | 0.1                 | 0.02            | 1.1             | Surcharg ed |
| 1.001      | FEH: 30 years: +0<br>%: 120 mins: Winter | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.603                  | 0.018               | 42.894                | 0.5                 | 0.03            | 0.6             | Surcharg ed |
| 2.001      | FEH: 30 years: +0<br>%: 15 mins: Summer  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.432                  | 0.150               | 0.348                 | 0.4                 | 0.04            | 0.9             | Surcharg ed |
| 2.000      | FEH: 30 years: +0<br>%: 15 mins: Summer  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.438                  | 0.150               | 0.619                 | 0.4                 | 0.02            | 1.6             | OK          |

|                                                                                    |                                                 |                    |                     |
|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +0: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                             | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status      |
|------------|-----------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|-------------|
| 2.002      | FEH: 100 years: +0 %: 30 mins: Winter   | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.642                  | 0.150               | 0.926                 | 0.4                 | 0.03            | 0.9             | Surcharg ed |
| 1.000      | FEH: 100 years: +0 %: 1440 mins: Summer | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.545                  | 0.150               | 60.325                | 0.1                 | 0.02            | 1.2             | Surcharg ed |
| 1.001      | FEH: 100 years: +0 %: 120 mins: Winter  | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 84.762                  | 0.019               | 43.922                | 0.5                 | 0.03            | 0.7             | Surcharg ed |
| 2.001      | FEH: 100 years: +0 %: 15 mins: Winter   | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.516                  | 0.150               | 0.370                 | 0.5                 | 0.04            | 0.8             | Surcharg ed |
| 2.000      | FEH: 100 years: +0 %: 15 mins: Summer   | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.523                  | 0.150               | 0.706                 | 0.4                 | 0.03            | 2.0             | Surcharg ed |

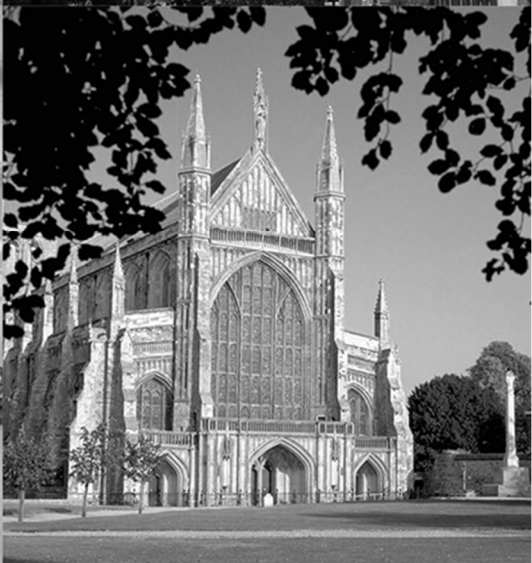
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|------------------------------------------------------------------------------------|-------------------------------------------------|--------------------|---------------------|
| Project:<br>5033004 - SFS - Crabbet Park, Office to Resi                           | Date:<br>14/05/2026                             |                    |                     |
|                                                                                    | Designed by:<br>TW                              | Checked by:<br>PCh | Approved By:<br>PCh |
| Report Details:<br>Type: Connections Summary<br>Storm Phase: 5033044 - Proposed SW | Company Address:<br>3 Valentines Place, SE1 8QH |                    |                     |





FEH: 100 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Flow

| Connection | Storm Event                             | Connection Type | From                    | To                      | Upstream Cover Level (m) | Max. US Water Level (m) | Max. Flow Depth (m) | Discharge Volume (m³) | Max. Velocity (m/s) | Flow / Capacity | Max. Flow (L/s) | Status     |
|------------|-----------------------------------------|-----------------|-------------------------|-------------------------|--------------------------|-------------------------|---------------------|-----------------------|---------------------|-----------------|-----------------|------------|
| 2.002      | FEH: 100 years: +40 %: 15 mins: Summer  | Pipe            | S1                      | Filter Trench Drain (1) | 85.130                   | 84.691                  | 0.150               | 0.129                 | 0.3                 | 0.03            | 0.8             | Surcharged |
| 1.000      | FEH: 100 years: +40 %: 30 mins: Summer  | Pipe            | Filter Trench Drain     | Filter Trench Drain (1) | 85.036                   | 84.859                  | 0.150               | 40.415                | 0.1                 | 0.02            | 1.3             | Flood Risk |
| 1.001      | FEH: 100 years: +40 %: 240 mins: Summer | Pipe            | Filter Trench Drain (1) | EX_S7                   | 85.266                   | 85.003                  | 0.021               | 18.250                | 0.6                 | 0.04            | 0.8             | Flood Risk |
| 2.001      | FEH: 100 years: +40 %: 15 mins: Winter  | Pipe            | Filter Trench Drain (2) | S1                      | 85.113                   | 84.678                  | 0.150               | 0.413                 | 0.5                 | 0.03            | 0.7             | Surcharged |
| 2.000      | FEH: 100 years: +40 %: 15 mins: Winter  | Pipe            | S2                      | Filter Trench Drain (2) | 85.100                   | 84.685                  | 0.150               | 0.890                 | 0.5                 | 0.02            | 1.3             | Surcharged |



# RIDGE



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