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Document Name:	Technical Note
Prepared By:	Oliver Terry (July, 2026)
Checked By:	David Pearson (July, 2026)
Approved By:	Jon Soar (July, 2026)

Revision Record				
Rev	Date	By	Summary of Changes	Aprvd
1	17.07.2026	OT	First Issue	JS
2	21.07.2026	OT	Updated to suit client comments	JS

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1. INTRODUCTION

- 1.1 This Drainage Technical Note has been prepared by Paul Basham Associates on behalf of Miller Homes in support of the Reserved Matters application relating to the residential development at Campsfield, Southwater. The development is accessed off Centenary Road, Southwater and the nearest postcode is RH13 9FR.
- 1.2 Outline Planning Permission (REF: DC/25/0102) has previously been granted for the proposed development. As part of the Outline application, a Flood Risk Assessment and Drainage Strategy was prepared which established the principles of flood risk management and surface water drainage for the site.
- 1.3 The purpose of this report is to provide the detailed drainage design supporting the Reserved Matters application and to demonstrate that the proposed drainage network accords with the approved drainage strategy and, where applicable and directed by the Lead Local Flood Authority (LLFA), the new National Standards for Sustainable Drainage Systems (SuDS) which were published June 2025.
- 1.4 This report and drainage design has been developed in accordance with the previously approved Flood Risk Assessment and Drainage Strategy (REF: 091.5018 FRADS3).
- 1.5 Prior to the submission of the Reserved Matters application, pre-application advice was sought from West Sussex County Council, acting as the LLFA under reference PE/26/012 (June 2026). The detailed drainage design presented within this Technical Note has developed having regard to the

comments and recommendations provided during the pre-application process. The LLFA Pre-App response can be found in **Appendix A**.

- 1.6 The proposed development comprises 82 residential dwellings together with associated highways, parking, landscaping, public open space and drainage infrastructure.
- 1.7 The total site area is approximately 4.290 ha and the land is currently an open field. The proposed catchment area has been calculated as approximately 1.757ha, inclusive of an allowance for urban creep where appropriate.

2. EXISTING FLOOD RISK

- 2.1 The approved Outline planning Flood Risk Assessment (FRA) identified the proposed development site lies wholly within Flood Zone 1 and is therefore considered to be at very low risk of flooding from rivers and seas.
- 2.2 The approved Outline planning FRA identified isolated areas of surface water ponding within the Southern and Eastern boundaries of the site together with a localised low point towards the centre of the site. The surface water flood map is shown below in **Figure 1**.



Figure 1: Surface Water Flood Map (Year 2061-2125)

- 2.3 The detailed Reserved Matters site layout has been developed to ensure that all proposed dwellings are located outside areas identified as being subject to surface water flooding at depths exceeding 0.2 m. Localised areas of shallow overland flow (less than 0.2m depth) are present across parts of the site and are typical of undeveloped greenfield topography. These shallow flow routes have been considered and mitigated within the detailed site levels and drainage design. Furthermore, the proposed surface water drainage strategy will attenuate runoff generated by the

development, thereby disrupting and reducing uncontrolled overland flow compared with the existing greenfield condition.

3. APPROVED OUTLINE DRAINAGE STRATEGY

- 3.1 A review of the available geological information concluded that infiltration drainage was discounted by the approved strategy within the outline permission due to the presence of low permeability Weald Clay beneath the site.
- 3.2 By application of the preferred surface water disposal hierarchy the approved strategy seeks to discharge to a nearby watercourse, in accordance with the National Standards for sustainable drainage systems (SuDS) and the Building Regulations Approved Document H3.
- 3.3 Surface water runoff was proposed to be attenuated on site via a vegetated detention basin before being discharged to a proposed swale via a flow control device restricting flows to the approved greenfield Qbar rate.
- 3.4 The detailed drainage design presented within this Technical Note has been developed in accordance with these approved principles, alongside the new National Standards for Sustainable Drainage Systems (SuDS) which were published June 2025.
- 3.5 Following the grant of Outline Planning Permission, the National Standards for Sustainable Drainage Systems were updated. As advised during the West Sussex County Council LLFA pre-application consultation (Reference PE/26/012, June 2026), the detailed Reserved Matters drainage design has therefore been developed in accordance with the current National Standards and where directed by the LLFA to do so. Consequently, whilst the approved outline drainage philosophy has been retained, the detailed design has been updated to incorporate source control measures and interception storage in accordance with Standard 2 of the updated National Standards.

4. DETAILED SURFACE WATER DRAINAGE DESIGN

- 4.1 The proposed surface water drainage strategy has been developed in accordance with the drainage principles approved at Outline Planning stage, as referenced above, whilst reflecting the detailed Reserved Matters site layout and drainage catchments.
- 4.2 Surface water runoff from the proposed impermeable areas, including roofs, roads, footways and driveways, will be collected by a combination of conventional piped drainage and permeable paving before being conveyed to the proposed attenuation basin located within the western area of the site.
- 4.3 Permeable paving with a granular sub-base above a needle punched separation membrane is proposed beneath the private drives and private roads. The permeable paving provides source control by temporarily storing runoff within the granular sub-base before conveying flows via diffuser units into the downstream piped drainage network.
- 4.4 Each permeable paving area incorporates diffuser units proposed at the low points of the sub-base. These diffusers provide a controlled connection into the wider piped drainage network.
- 4.5 The hydraulic model has conservatively assumed that 100% of the impermeable areas contribute runoff to the proposed drainage network. In addition, a 10% allowance for urban creep has been applied to all residential dwelling footprints.
- 4.6 Given the low permeability of the underlying Weald Clay, the hydraulic model conservatively assumes that 30% of the private garden areas contribute runoff to the drainage network. In addition, 70% of the open space to the East of the basin has been assumed to drain towards the basin, due to overland flow paths created by the proposed site levels. The 70% contributing area assumption has been adopted due to the relatively steep topography of this area and its natural fall towards the basin. The remaining 30% allows for natural losses associated with vegetation, surface storage and evapotranspiration.
- 4.7 Following progression from Outline Planning to Reserved Matters, the detailed site layout resulted in an increase in the contributing drainage catchment area. Consequently, the previously approved surface water discharge rate was reviewed following pre-application consultation with West Sussex County Council, acting as the Lead Local Flood Authority, under reference PE/26/012 (June 2026)

- 4.8 Following discussions with the LLFA, it was agreed that the permitted discharge rate should be pro-rated to reflect the revised drainage catchment area. Accordingly, the greenfield runoff rate has been adjusted in proportion to the increase in contributing area, and this revised discharge rate has been adopted within the detailed drainage design.

Parameter	Outline	Reserved Matters
Impermeable Catchment Area	1.375 ha	1.757 ha
Q _{bar}	7.51 l/s	9.60 l/s

Table 1: Comparison of Outline and Reserved Matters Drainage Parameters

- 4.9 Surface water runoff from the development is attenuated within the proposed network and attenuation basin prior to discharge via a HydroBrake flow control device. Discharge from the basin is restricted to the approved greenfield rate of 9.60 l/s before being conveyed to the receiving watercourse.
- 4.10 The vegetated attenuation basin discharges into a proposed above-ground vegetated swale incorporating erosion control matting. The swale provides a stable conveyance route through the existing area of ancient woodland before discharging into the existing ordinary watercourse located adjacent to the western boundary.
- 4.11 The proposed swale has been designed to minimise erosion and protect the existing woodland environment. Erosion control matting will be installed along the base and side slopes of the swale where necessary to provide long-term stability.
- 4.12 The proposed surface water drainage strategy therefore provides a sustainable means of managing runoff from the development whilst maintaining the drainage principles approved at Outline Planning stage, ensuring that post-development runoff is attenuated and discharged in a controlled manner without increasing flood risk elsewhere. The surface water drainage strategy plans can be found in **Appendix B**.
- 4.13 The attenuation basin has been designed with shallow side slopes to facilitate routine maintenance and grass cutting whilst allowing safe access and egress. On this basis, permanent safety fencing is not considered necessary as part of the drainage design. Should the Developer wish to provide any boundary treatment for aesthetic or management purposes, this would be incorporated within the wider landscape proposals. In accordance with the pre-application advice provided by the LLFA, visually intrusive features such as galvanised railings and cast concrete drainage structures have been avoided where practicable, with drainage structures selected to complement the landscape setting.
- 4.14 To support the detailed drainage design, Drainable Area and Exceedance Flow Plans have been prepared to define the contributing catchments across the proposed development, included within **Appendix C**. The plans identify the areas draining to each element of the proposed surface water

drainage network and demonstrate that runoff from the development has been appropriately captured and directed towards the proposed attenuation features.

- 4.15 Exceedance flow paths are shown to demonstrate the management of runoff during rainfall events exceeding the design capacity of the proposed drainage system. The drawing illustrates the anticipated overland flow routes generated by exceedance events and confirms that flows are directed away from proposed dwellings towards the highway network, landscaped areas and attenuation basin.

5. INTERCEPTION AND RAINWATER REUSE

- 5.1 In accordance with the updated National Standards for Sustainable Drainage Systems (June 2025) and following the advice provided during the West Sussex County Council LLFA pre-application consultation (Ref. PE/26/012), the detailed drainage design has been developed to provide source control and interception storage in accordance with Standard 2.
- 5.2 Source control is provided through permeable paving beneath the private roads and driveways, where rainfall is temporarily stored within the granular sub-base prior to controlled discharge via diffuser units into the downstream drainage network. This arrangement manages frequent rainfall events close to source whilst providing both attenuation and water quality treatment.
- 5.3 Rainwater reuse will be promoted through the provision of smart water butts to each dwelling, allowing roof runoff to be collected and reused for external non-potable purposes such as garden watering. Unlike conventional water butts, smart water butts actively manage the available storage volume by automatically releasing stored water in advance of forecast rainfall events. This ensures that storage capacity is routinely restored, enabling interception of runoff from successive rainfall events rather than relying on manual emptying by residents. Consequently, the smart water butts provide a more reliable source control measure, contributing to both rainwater reuse and the interception objectives of the updated National Standards for Sustainable Drainage Systems.
- 5.4 The interception storage calculations are presented within **Appendix D** and demonstrate compliance with the interception requirements of Standard 2 of the National Standards for Sustainable Drainage Systems.

6. HYDRAULIC MODELLING

- 6.1 Hydraulic calculations have been undertaken using InfoDrainage hydraulic modelling software to assess the performance of the proposed drainage system under a range of design storm events.
- 6.2 The depth of flood water has been calculated by evaluating the existing flood water against the watercourse base level to determine the outfall would not be surcharged. The outfall is 2m+ above the base of the watercourse.
- 6.3 The following design criteria have been incorporated within the hydraulic model:

Parameter	Value
Rainfall Data	FEH22
Climate Change	45%
Urban Creep	10%
Impermeable Area	100%
Contributing Garden Area	30%
Contributing Open Space Runoff	70%

Table 2: Hydraulic Modelling Design Criteria

- 6.4 The hydraulic modelling demonstrates that:
- No flooding occurs during the 1 in 2-year, 1 in 30+40% CC & 1 in 100+45% CC events.
 - Post-development runoff is restricted to the calculated Qbar rate.
 - Surface water is safely attenuated on site.
- 6.5 The full hydraulic calculations have been included in **Appendix E**.

7. WATER QUALITY

- 7.1 The proposed drainage system incorporates several stages of treatment in accordance with CIRIA C753 The SuDS Manual this includes satisfaction of the simple index approach.
- 7.2 Source control measures include permeable paving and a vegetated attenuation basin.
- 7.3 All road runoff will pass through at least two forms of treatment prior to discharge from the site. These are in the form of permeable paving where applicable, the attenuation basin and the swale.
- 7.4 The treatment train provides sufficient mitigation for pollutants generated by the proposed development. The HR Wallingford Water Quality Toolkit can be found in **Appendix F**.

8. INSPECTION AND MAINTENANCE

- 8.1 The proposed surface water drainage system has been designed to facilitate routine inspection and maintenance throughout the lifetime of the development to ensure satisfactory hydraulic performance and water quality treatment. Maintenance activities shall be undertaken by a suitably qualified contractor and/or management company responsible for the drainage infrastructure.
- 8.2 The proposed drainage system comprises the following principal components:
- Surface water gullies;
 - Conventional piped drainage network;
 - Permeable paving with lined granular sub-base;
 - Diffuser units;
 - HydroBrake flow control chamber;
 - Attenuation basin;
 - Swale incorporating erosion control matting;
 - Headwall and outfall structure.
- 8.3 Routine maintenance shall comprise regular inspection together with removal of accumulated debris, silt and vegetation where necessary to ensure the drainage system continues to operate in accordance with the approved design.
- 8.4 The drainage infrastructure shall be constructed and thereafter maintained for the lifetime of the development.

SuDS Component	Typical Maintenance	Frequency
Road gullies	Remove silt, litter and debris. Check gratings and outlets.	Every 6 months or as required during seasonal periods if there are trees nearby.
Pipe network	CCTV inspection where required. Remove blockages.	Every 5 years or as required
Permeable paving	Road Suction vehicle to remove sediment and debris. Inspect for clogging.	Every 6 months
HydroBrake chamber	Inspect chamber, remove debris and check flow control.	Every 6 months
Catchpits/manholes	Remove silt and inspect.	Yearly
Attenuation basin	Cut grass, remove litter, inspect inlets and outlets, remove sediment where required.	Cut grass monthly during growing season, full inspection every 6 months
Swale	Mow vegetation, remove debris, inspect erosion protection.	Every 6 months
Headwall/outfall	Inspect for blockages and structural damage	Every 6 months.

Table 3: Inspection and Maintenance Requirements

- 8.5 The maintenance regime outlined above is considered sufficient to ensure the continued operation of the proposed drainage system and will minimise the risk of blockage, deterioration and reduction in hydraulic performance over the lifetime of the development.

9. CONCLUSION

- 9.1 This Drainage Technical Note has been prepared by Paul Basham Associates on behalf of Miller Homes to support a Reserved Matters application for the residential development of 82 residential dwellings at Campsfield, Southwater.
- 9.2 The principle of the surface water drainage was established under the approved Outline Planning Permission (Ref: DC/25/0102) where our previous Flood Risk Assessment and Drainage Strategy formed an approved document within the said permission. This Technical Note presents the detailed surface water drainage design developed to support the Reserved Matters application.
- 9.3 The drainage philosophy remains consistent with that approved at Outline Planning although also has due regard to the new National Standards for Sustainable Drainage Systems (SuDS) published June 2025. Surface water runoff from the proposed development will be collected through a conventional piped drainage network as well as permeable paving in the private drives and private roads, before being conveyed to on-site attenuation features and discharged at a restricted greenfield rate to the existing watercourse located along the western site boundary via a proposed swale.
- 9.4 The detailed drainage design has been undertaken in accordance with the approved drainage strategy, the National Standards for Sustainable Drainage Systems, CIRIA C753 The SuDS Manual and the Lead Local Flood Authority guidance.
- 9.5 Hydraulic modelling confirms that the proposed drainage system provides sufficient capacity to accommodate runoff from the critical design events up to the 1.0% AEP event including allowance for climate change, whilst restricting discharge to the approved greenfield rate, Q_{bar} .
- 9.6 Water quality treatment has been incorporated into the drainage strategy through the use of source control measures and attenuation features, ensuring runoff receives an appropriate level of treatment prior to discharge.
- 9.7 The proposed drainage system will not increase flood risk either on or off site and provides an appropriate level of water quantity control, water quality treatment and long-term management. A maintenance regime has been identified to ensure the drainage infrastructure continues to operate effectively for the lifetime of the development.
- 9.8 It is therefore concluded that the detailed drainage proposals accord with the approved Outline approved drainage strategy, addresses the recommendations provided during the West Sussex County Council LLFA pre-application consultation (Reference PE/26/012), complies with applicable elements of the updated National Standards for Sustainable Drainage Systems where directed by the LLFA to do so, and satisfies the requirements of Condition 5.

Eleanor Read

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BY EMAIL ONLY

7th May 2026

Dear Ollie,

WSSC-829952203 – Plot 110 Miller Homes Development Site, Worthing Road, Southwater, West Sussex, RH13 9FU (Campsfield)

WSSC Flood Risk Management Team Level 2 Pre-Application Advice has been sought for a 7.33 ha site in Ashington, Horsham District. The application will be for reserved matters for 82 dwellings, following outline application DC/25/0102 (which is not yet determined; however drainage is not an outstanding issue).

Following a meeting on 27th April 2026, we have the following initial comments to make:

Following the release of the updated National Standards for SuDS in July 2025, for applications where the layout is not yet approved, we locally expect all major applications to comply with the Standards. For ease, the comments are structured following the Standards.

Standard 1: Runoff destinations

As West Sussex is seriously water stressed, rainwater harvesting shall be considered. Some examples we have seen recently have been from [Rainwater Harvesting Limited](#) and [Stormsaver](#). We have no professional relationship with either organisation and are not affiliated with them in any capacity. As we have not worked with these companies, we are unable to provide any assessment regarding the quality or suitability of their services. Any decisions or actions taken on the basis of this information are made entirely at your own discretion and risk, and we accept no liability for any outcomes arising from such decisions.

Any overflow discharge rates from the rainwater harvesting must not exceed greenfield runoff rates for the whole site. For example, if the greenfield runoff rate is 10 l/s, the combined discharge rate from the rainwater harvesting and any attenuation features must not exceed 10 l/s. This is to ensure surface water flood risk does not increase elsewhere. The overflow must connect to a suitable discharge location. Rainwater harvesting systems should be designed in accordance with BS EN 16941 and Chapter 11 of the SuDS Manual.

As infiltration is not viable for this site, it is therefore proposed to discharge surface water at restricted rates to watercourses. The connectivity of the watercourse to the wider network will need to be demonstrated.

Standard 2: Management of everyday rainfall (Interception)

We expect interception to be provided for reserved matters applications. The guidance on how we suggest applicants to demonstrate it is provided have been sent via email.

Standard 3: Management of extreme rainfall and flooding

The rates and volumes from the approved FRA/Drainage Strategy shall be followed.

As stated in the NSfS, surface water drainage systems shall avoid traditional, underground attenuation systems, such as tanks. Therefore, it is our preference that open attenuation is used. This is also likely to assist with meeting other Standards.

For a reserved matters application, hydraulic calculations and construction drawings shall be submitted, as these can both affect the layout of the site. The hydraulic calculations should include:

- Design criteria and input variables (this includes using up to date parameters. This is often known as Simulation Criteria in calculation outputs)
- Drainage network details
- Manhole schedule (must match the drainage strategy)
- Area summaries
- Outfall details
- Modelled storm details and simulation criteria
- Flow control structure details (online and any offline)
- Summary of results for critical storms. Results shall be provided for the 2 year, 30 year plus climate change and 100 year plus climate change storms.
- Greenfield runoff rate calculations
- Storage calculations
- Storage feature details
- Surcharged outfall (top of bank, with justification as to why the level has been selected)
- Drainage layout with clearly labelled pipe and manhole numbers to allow for cross-referencing with the calculation outputs. The location and details of all attenuation features shall be clearly shown.

The construction drawings should include all key features of the drainage strategy including:

- Attenuation features such as attenuation basins and tanks (including cross-sections with maximum water level for any open attenuation features)
- Conveyance features such as swales
- Permeable paving
- Headwalls, including inlet and outlet ones (please note, if the headwall is set back/flush with the existing bank profile of an ordinary watercourse, Ordinary Watercourse Consent will not be required)
- Flow control features
- Rain gardens/bioretention areas

- Green roofs
- Gullies and inspection chambers
- Details of any mitigation required for sites with high groundwater levels

Standard 4: Water quality, Standard 5: Amenity and Standard 6: Biodiversity

The CIRIA SuDS Manual Simple Index Approach shall be used to demonstrate that a suitable water management train is provided.

The surface water drainage system shall be multifunctional and have amenity and biodiversity benefits. As LLFA we will not comment on this in detail, and instead expect the LPA to seek input from others with greater expertise in this area.

It is worth noting that when habitat is created through SuDS, there can be BNG gains.

Standard 7: Construction, Operation, Maintenance, Decommissioning and Structural Integrity

Early consideration of how drainage features will be managed during construction is recommended, through the use of a construction method statement (this may be covered within a CEMP condition).

Suitable maintenance easements shall be provided for open SuDS features. We recommend using the SuDS Manual for guidance on this.

Vehicular access for maintenance shall be considered.

We recommend early consideration of existing and proposed trees/landscaping and the proposed drainage layout, as this can have impacts on the layout of the site.

We are of the understanding that the maintenance plan and verification report are both covered by conditions in the draft outline decision notice. We recommend using the Standards and Ciria SuDS Manual when preparing these.

Other comments:

Where ground raising is proposed to provide sufficient cover, it is essential that this does not increase surface water flood risk elsewhere.

As discussed, the WSCC highways adoption details can be found here: [Road agreements - West Sussex County Council](#).

The proposals to install a box culvert for the highway access will require Ordinary Watercourse Consent. Further details can be found here: [Ordinary watercourse land drainage consent - West Sussex County Council](#)

All watercourses/ditches (including culverted watercourses) within the red line must be retained, with a 3m maintenance easement from the top of both banks required. These must be clearly shown on drawings, to ensure that as the application progresses, easements are retained.

We are happy to review any amended documents and meet again if necessary prior to formal submission to the LPA. We will share this letter with the LPA, so they are kept informed as to pre-app discussions.

We have no comments to make in relation to fluvial flood risk or foul drainage, as this does not fall within our remit.

Please note: these comments are based on current planning legislation, policy and guidance. Any changes which are linked with flood risk and surface water drainage will need to be addressed.

Yours sincerely,

Eleanor Read

Eleanor.read@westsussex.gov.uk

Flood Risk Management Team



1:200

PRELIMINARY

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 - 4.2. Site Layout - 3427-A-1005-PR-Q - Received 16.07.2026
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6. Dwellings rainwater pipes discharge direct to subbase where adjacent to permeable paving. Where not adjacent to permeable paving, flows will be discharged to a private drain.

LEGEND:

- SITE BOUNDARY
- - - FOUL WATER DRAINAGE
- - - SURFACE WATER DRAINAGE
- PROPOSED BASIN
- SW CHAMBER
- ⊗ HYDROBRAKE
- FW CHAMBER
- ▨ LINED PERMEABLE PAVING
MIN 350mm DEEP SUB-BASE
- DIFFUSER
- FFL 42.750 FINISHED FLOOR LEVEL
- ROOT PROTECTION AREA

Rev	Description	Date	By	App'd
P01	FIRST ISSUE	17.07.2026	OT	JS



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Client



Project Name
CAMPFIELD, SOUTHWATER

Title
**PROPOSED DRAINAGE STRATEGY
SHEET 1 OF 4**

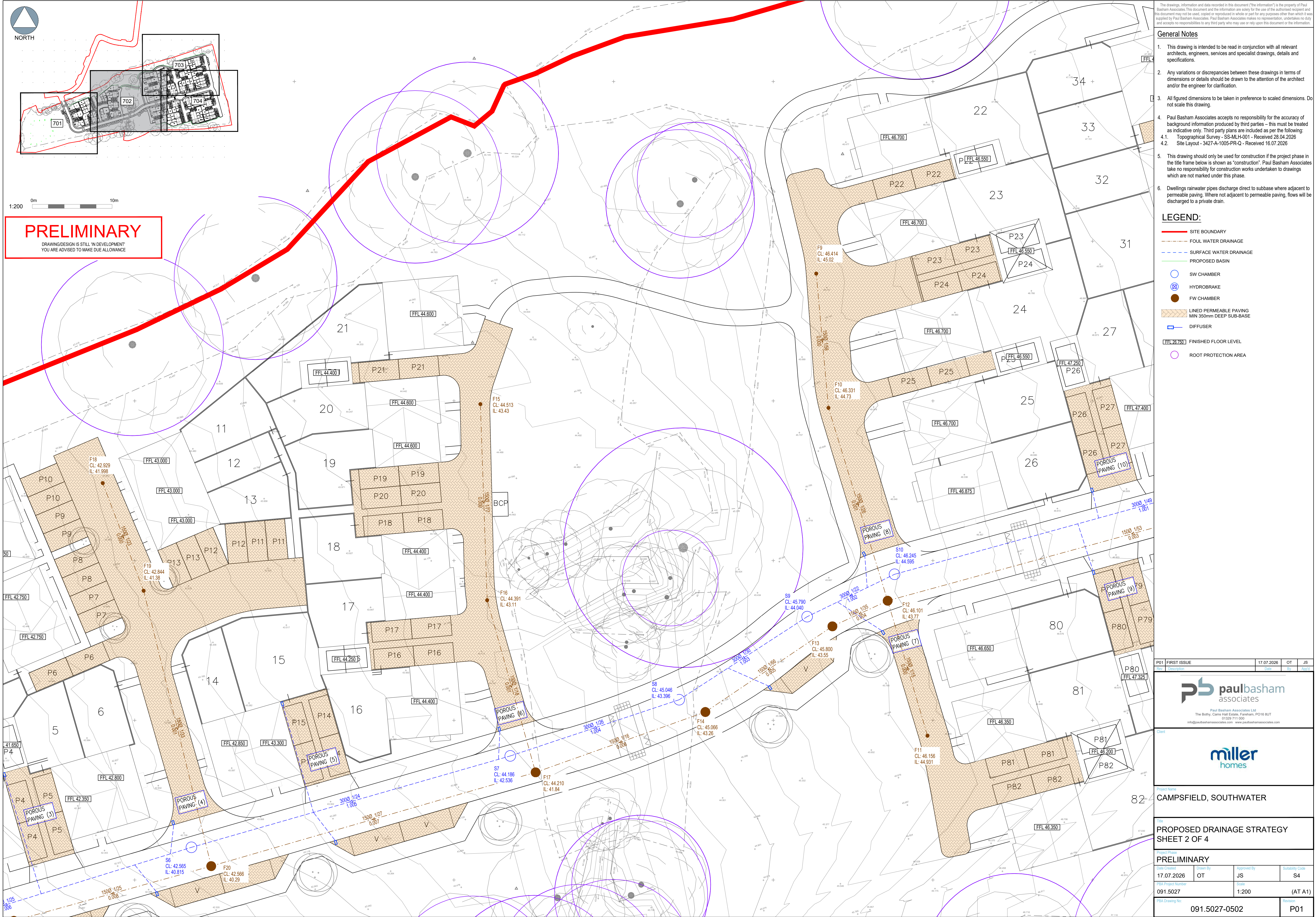
Project Phase
PRELIMINARY

Date Created 17.07.2026	Drawn By OT	Approved By JS	Suitability Code S4
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PBA Project Number 091.5027	Scale 1:200	(AT A1)
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P01	FIRST ISSUE	17.07.2026	OT	JS
Rev	Description	Date	By	Appr

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miller
homes

Project Name
CAMPSFIELD, SOUTHWATER

Title
**PROPOSED DRAINAGE STRATEGY
SHEET 2 OF 4**

Project Phase PRELIMINARY			
Date Created 17.07.2026	Drawn By OT	Approved By JS	Suitability Code S4
PBA Project Number 091.5027	Scale 1:200		(AT A1)
PBA Drawing No 091.5027-0502	Revision P01		

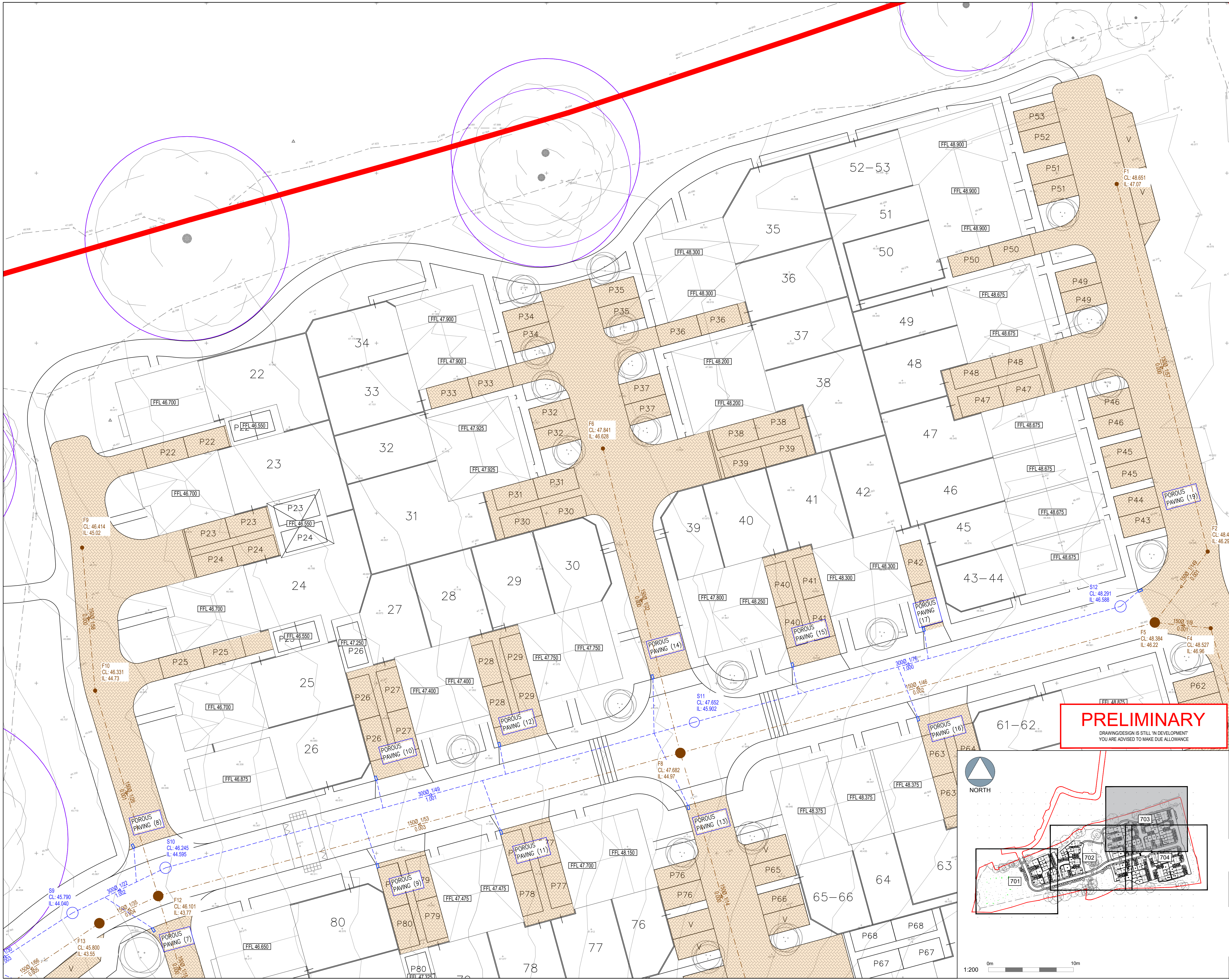
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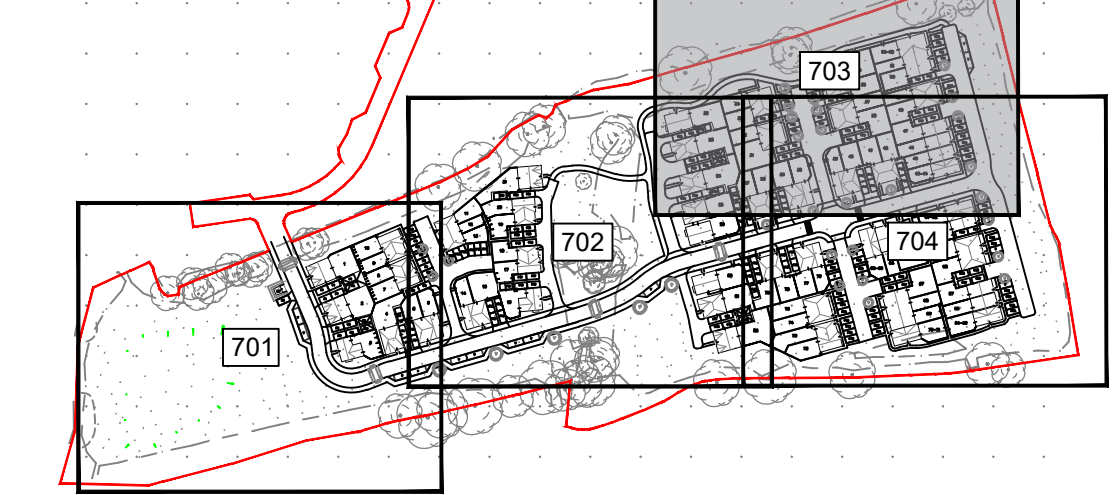
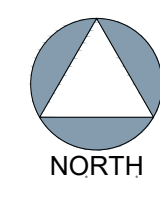
LEGEND:

- SITE BOUNDARY
- - - FOUL WATER DRAINAGE
- - - SURFACE WATER DRAINAGE
- - - PROPOSED BASIN
- SW CHAMBER
- ⊗ HYDROBRAKE
- FW CHAMBER
- ▨ LINED PERMEABLE PAVING
MIN 350mm DEEP SUB-BASE
- DIFFUSER
- FFL 48.750 FINISHED FLOOR LEVEL
- ROOT PROTECTION AREA



PRELIMINARY

DRAWING/DESIGN IS STILL 'IN DEVELOPMENT'
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1:200 0m 10m

P01	FIRST ISSUE	17.07.2026	OT	JS
Rev	Description	Date	By	Appr



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Project Name
CAMPSFIELD, SOUTHWATER

Title
**PROPOSED DRAINAGE STRATEGY
SHEET 3 OF 4**

Project Phase			
PRELIMINARY			
Date Created	Drawn By	Approved By	Suitability Code
17.07.2026	OT	JS	S4
PBA Project Number		Scale	(AT A1)
091.5027		1:200	
PBA Drawing No:			Revision
091.5027-0503			P01



1:200 0m 10m

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 - Topographical Survey - SS-MLH-001 - Received 28.04.2026
 - Site Layout - 3427-A-1005-PR-Q - Received 16.07.2026
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- Dwellings rainwater pipes discharge direct to subbase where adjacent to permeable paving. Where not adjacent to permeable paving, flows will be discharged to a private drain.

LEGEND:

- SITE BOUNDARY
- FOUL WATER DRAINAGE
- SURFACE WATER DRAINAGE
- PROPOSED BASIN
- SW CHAMBER
- ⊗ HYDROBRAKE
- FW CHAMBER
- LINED PERMEABLE PAVING
MIN 350mm DEEP SUB-BASE
- |— DIFFUSER
- [FFL 48.750] FINISHED FLOOR LEVEL
- ROOT PROTECTION AREA

P01	FIRST ISSUE	17.07.2026	OT	JS
Rev	Description	Date	By	App'd



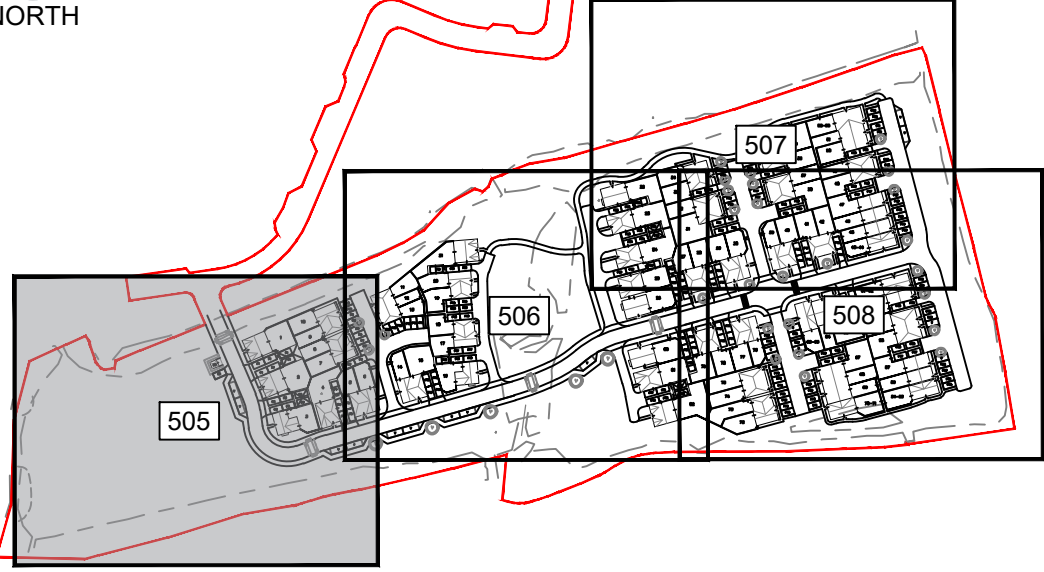
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CAMPSFIELD, SOUTHWATER

**PROPOSED DRAINAGE STRATEGY
SHEET 4 OF 4**

Project Phase PRELIMINARY			
Date Created 17.07.2026	Drawn By OT	Approved By JS	Suitability Code S4
PBA Project Number 091.5027	Scale 1:200		(AT A1)
PBA Drawing No. 091.5027-0504	Revision P01		



1:200

0m 10m

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LEGEND:

- AREA INTERCEPTED BY DETENTION BASIN 30% OF AREA
- INTERCEPTED BY DETENTION BASIN
- AREA INTERCEPTED BY PERMEABLE PAVING 30% OF AREA
- INTERCEPTED BY PERMEABLE PAVING
- PERMEABLE PAVING WITH SELF INTERCEPTION
- BASE AREA OF BASIN

Interception Area

Roof Area to Basin = 1,261m²
Roof Area to Permeable Paving = 3,328m²
Impermeable Roads to Basin = 2,995m²
30% of Garden Area to Basin = 533m²
30% of Garden Area to Permeable Paving = 1,278m²
Permeable Paving Area = 5,398m²
Basin Base = 680m²

Interception Area Required = 9,395m²
Interception Area Achieved = 14,196m²
(Permeable Paving x 2, Base of Basin x 5 assumed given they are designed 'unlined', but on a needle punched separation membrane, without relying on infiltration)

P01	FIRST ISSUE	17.07.2026	OT	JS
Rev	Description	Date	By	App'd



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Project Name
CAMPSFIELD, SOUTHWATER

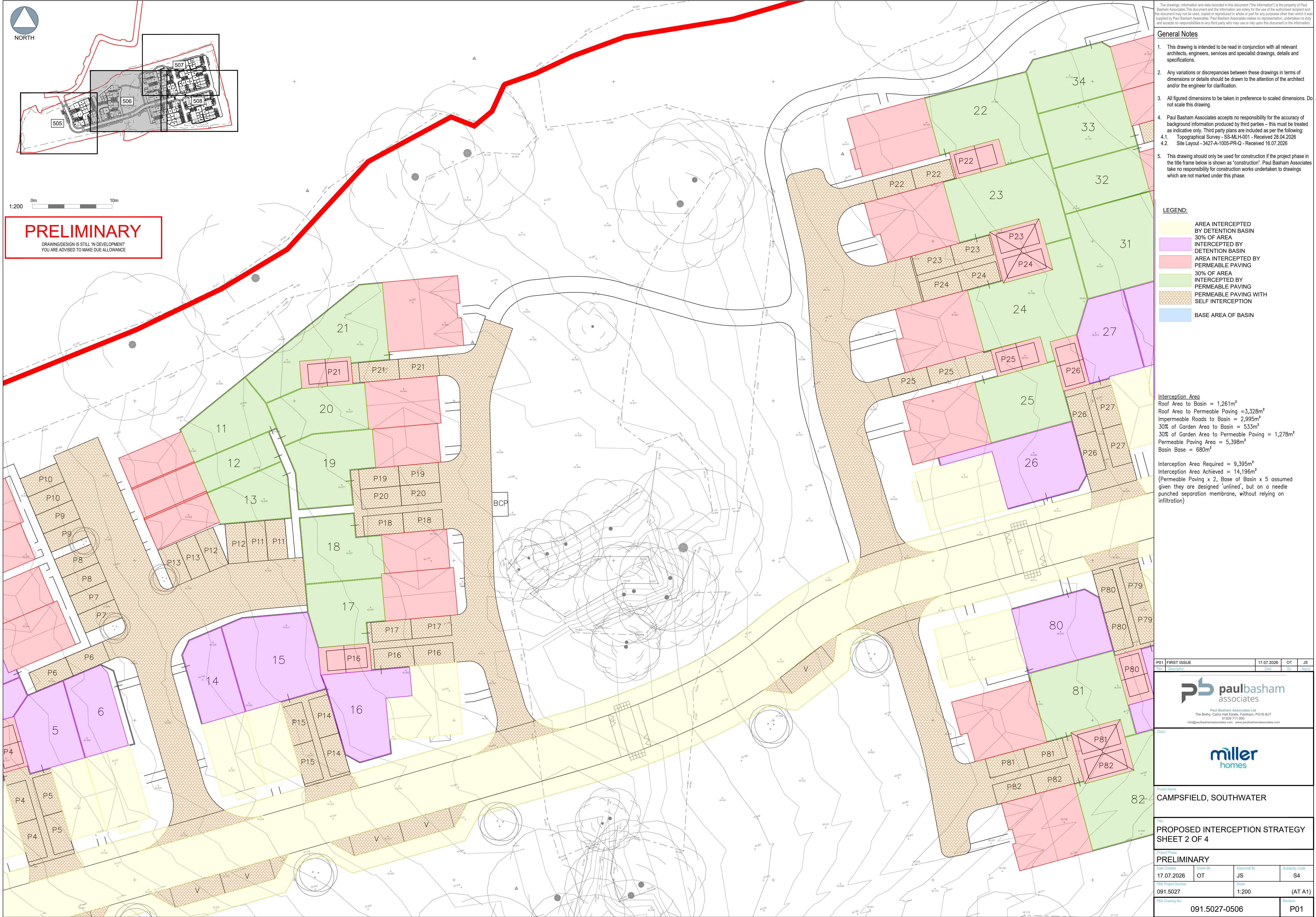
Title
**PROPOSED INTERCEPTION STRATEGY
SHEET 1 OF 4**

Project Phase
PRELIMINARY

Date Created	Drawn By	Approved By	Suitability Code
17.07.2026	OT	JS	S4

PBA Project Number	Scale	(AT A1)
091.5027	1:200	

PBA Drawing No:	Revision
091.5027-0505	P01



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- AREA INTERCEPTED BY DETENTION BASIN 30% OF AREA
- INTERCEPTED BY DETENTION BASIN
- AREA INTERCEPTED BY PERMEABLE PAVING 30% OF AREA
- INTERCEPTED BY PERMEABLE PAVING
- PERMEABLE PAVING WITH SELF INTERCEPTION
- BASE AREA OF BASIN

Interception Area

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P01	FIRST ISSUE	17.07.2026	OT	JS
Rev	Description	Date	By	App'd

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Client

miller
homes

Project Name
CAMPSFIELD, SOUTHWATER

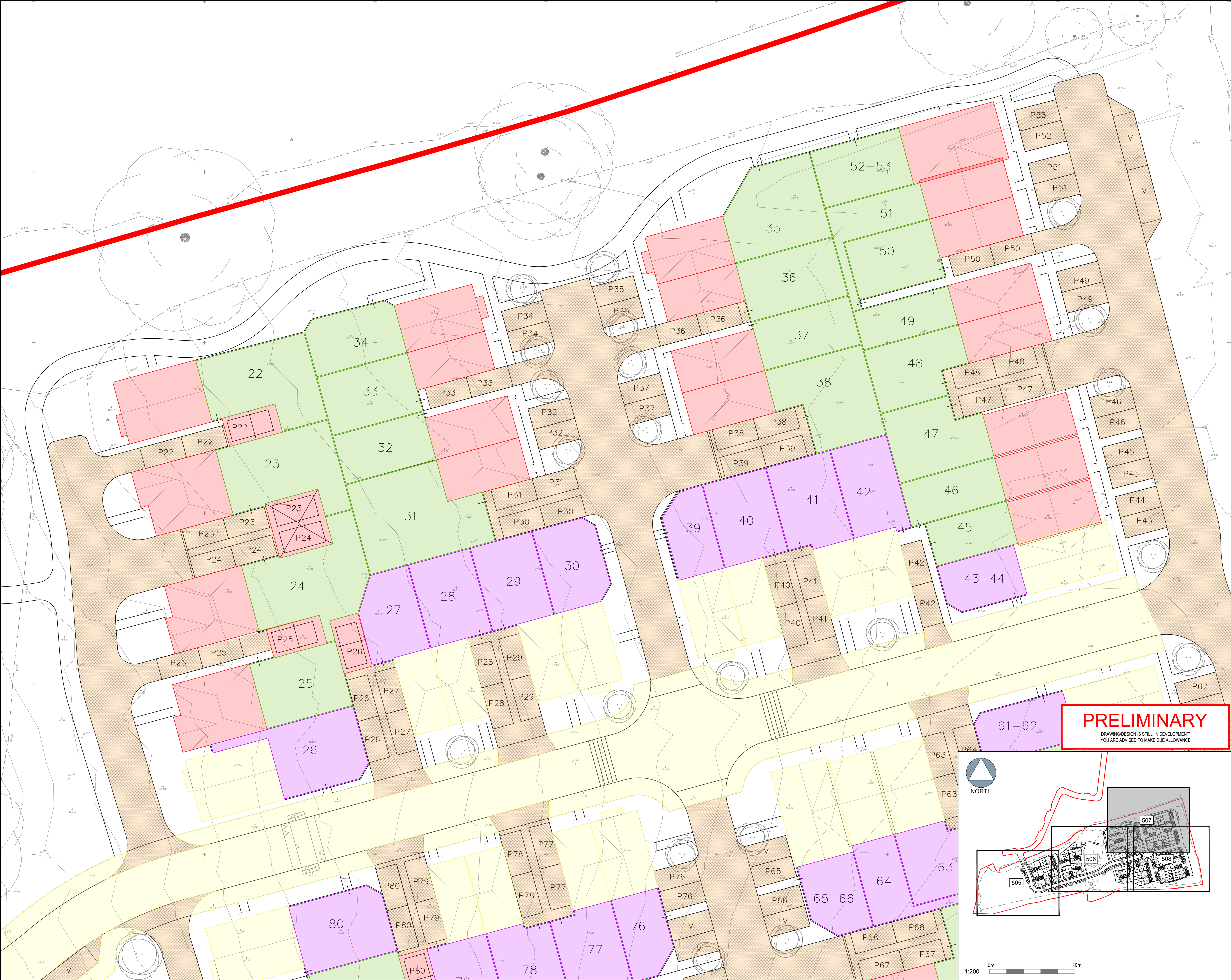
Title
**PROPOSED INTERCEPTION STRATEGY
SHEET 2 OF 4**

Project Phase
PRELIMINARY

Date Created 17.07.2026	Drawn By OT	Approved By JS	Suitability Code S4
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PBA Project Number 091.5027	Scale 1:200	(AT A1)
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PBA Drawing No 091.5027-0506	Revision P01
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 - 4.2. Site Layout - 3427-A-1005-PR-Q - Received 16.07.2026
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LEGEND:

- AREA INTERCEPTED BY DETENTION BASIN 30% OF AREA
- INTERCEPTED BY DETENTION BASIN
- AREA INTERCEPTED BY PERMEABLE PAVING 30% OF AREA
- INTERCEPTED BY PERMEABLE PAVING
- PERMEABLE PAVING WITH SELF INTERCEPTION
- BASE AREA OF BASIN

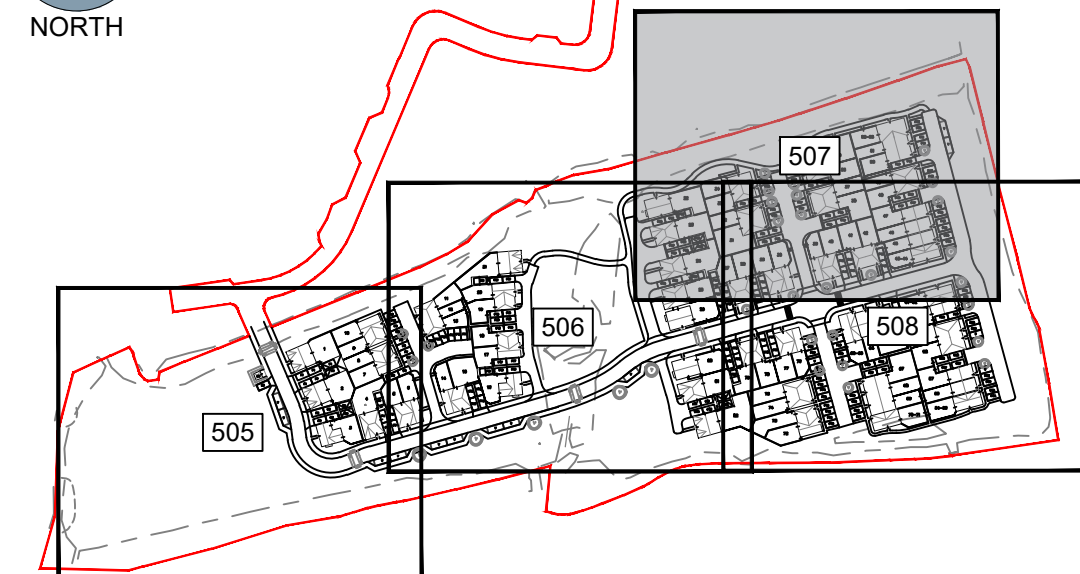
Interception Area

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PRELIMINARY

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P01	FIRST ISSUE	17.07.2026	OT	JS
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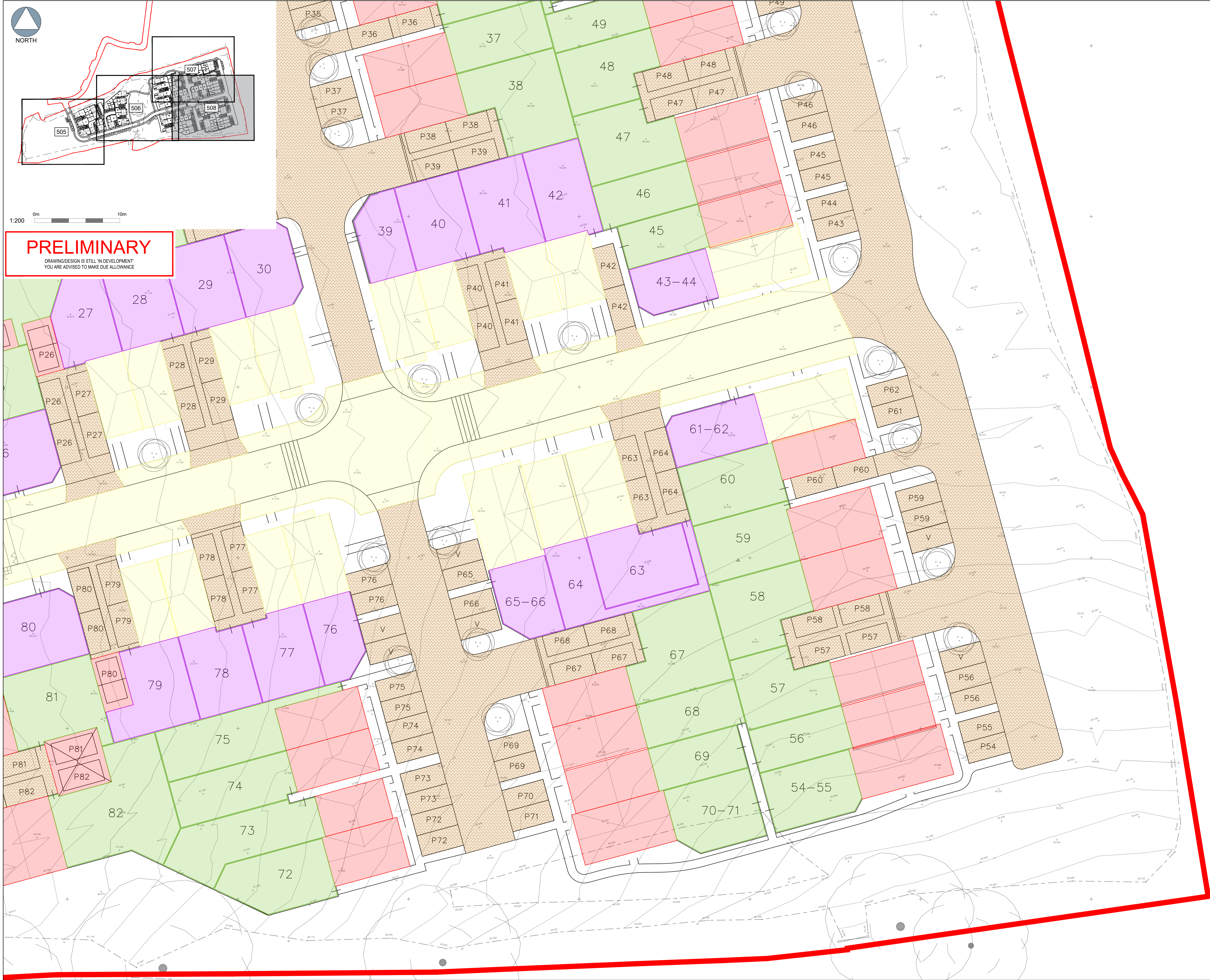
Client

miller
homes

Project Name
CAMPSFIELD, SOUTHWATER

Title
**PROPOSED INTERCEPTION STRATEGY
SHEET 3 OF 4**

Project Phase			
PRELIMINARY			
Date Created	Drawn By	Approved By	Suitability Code
17.07.2026	OT	JS	S4
PBA Project Number	Scale		(AT A1)
091.5027	1:200		
PBA Drawing No:			Revision
091.5027-0507			P01



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LEGEND:

- AREA INTERCEPTED BY DETENTION BASIN 30% OF AREA
- INTERCEPTED BY DETENTION BASIN
- AREA INTERCEPTED BY PERMEABLE PAVING 30% OF AREA
- INTERCEPTED BY PERMEABLE PAVING
- PERMEABLE PAVING WITH SELF INTERCEPTION
- BASE AREA OF BASIN

Interception Area

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Rev	Description	Date	By	App'd
P01	FIRST ISSUE	17.07.2026	OT	JS

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Client

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Project Name
CAMPSFIELD, SOUTHWATER

Title
PROPOSED INTERCEPTION STRATEGY SHEET 4 OF 4

Project Phase			
Date Created	Drawn By	Approved By	Suitability Code
17.07.2026	OT	JS	S4
PBA Project Number	Scale		(AT A1)
091.5027	1:200		
PBA Drawing No:	Revision		
091.5027-0508	P01		

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Name	Junction Type	Easting (m)	Northing (m)	Cover Level (m)	Depth (m)	Invert Level (m)	Chamber Shape	Diameter (m)
S4	Manhole	515942.182	124854.900	40.878	1.425	39.453	Circular	1.350
S3	Manhole	515952.189	124831.557	40.630	1.475	39.155	Circular	1.350
S2	Manhole	515954.370	124818.438	40.522	1.850	38.672	Circular	1.350
S1	Manhole	515929.728	124812.587	39.257	1.650	37.607	Circular	1.350
S6	Manhole	516007.112	124824.086	42.565	1.750	40.815	Circular	1.350
S7	Manhole	516047.058	124835.534	44.186	1.650	42.536	Circular	1.350
S8	Manhole	516068.215	124842.575	45.046	1.650	43.396	Circular	1.350
S9	Manhole	516084.252	124852.974	45.790	1.750	44.040	Circular	1.350
S10	Manhole	516095.199	124858.283	46.245	1.650	44.595	Circular	1.350
S11	Manhole	516157.379	124875.410	47.652	1.750	45.902	Circular	1.200
S12	Manhole	516208.009	124889.183	48.291	1.703	46.588	Circular	1.350
Hydrobrake	Manhole	515873.641	124798.446	37.800	2.071	35.729	Circular	1.500
Outfall	Manhole	515869.654	124796.947	37.511	1.810	35.701	Circular	0.000
S5	Manhole	515960.513	124809.678	40.577	1.750	38.827	Circular	1.350
Simple Junction (7)	Simple Junction	515988.245	124818.252					
Simple Junction (5)	Simple Junction	516119.241	124864.905					
Simple Junction (2)	Simple Junction	515953.068	124826.269					
Simple Junction (3)	Simple Junction	515948.128	124841.029					
Simple Junction (4)	Simple Junction	516023.569	124828.802					
Simple Junction (6)	Simple Junction	516132.756	124868.628					
Simple Junction	Simple Junction	516171.200	124879.170					
Simple Junction (1)	Simple Junction	516184.265	124882.724					

Name	Lock
S4	None
S3	None
S2	None
S1	None
S6	None
S7	None
S8	None
S9	None
S10	None
S11	None
S12	None
Hydrobrake	None
Outfall	None
S5	None
Simple Junction (7)	
Simple Junction (5)	
Simple Junction (2)	
Simple Junction (3)	
Simple Junction (4)	
Simple Junction (6)	
Simple Junction	
Simple Junction (1)	

Inlets

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S4	Inlet	82.34m - 10.000 82.34m - 10.000 53.67m - 10.000 101.58m - 10.000 486.43m - 10.000 Catchment Area	(None)	No Restriction
S3	Inlet	42.73m - 10.001 104.70m - 10.001 2.000	(None)	No Restriction
S2	Inlet	1.007 2.001	(None)	No Restriction
S1	Inlet	1006.74m - 1.011 1.008	(None)	No Restriction
S6	Inlet	88.21m - 1.008 189.23m - 1.008 201.74m - 1.008 158.97m - 1.008 78.25m - 1.008 87.01m - 1.008 22.05m - 1.008 122.27m - 1.008 65.81m - 1.008 43.11m - 1.008 Porous Paving (4) 56.28m - 8.002 57.43m - 8.002 58.65m - 8.002 1.005	(None)	No Restriction
S7	Inlet	43.34m - 1.007 114.50m - 1.007 277.43m - 1.007 127.15m - 1.007 1.004 Porous Paving (6) 70.54m - 7.001 83.84m - 7.001	(None)	No Restriction
S8	Inlet	1.003 159.21m - 1.006	(None)	No Restriction

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S9	Inlet	218.54m - 1.005 1.002 Porous Paving (8) Porous Paving (7)	(None)	No Restriction
S10	Inlet	148.15m - 1.004 77.03m - 1.003 94.47m - 1.003 77.03m - 6.000 88.93m - 6.000 1.001	(None)	No Restriction
S11	Inlet	22.06m - 1.003 43.34m - 1.003 43.34m - 1.003 43.34m - 1.003 22.06m - 1.003 43.34m - 1.003 43.34m - 1.003 43.34m - 1.003 56.28m - 1.003 83.31m - 1.003 72.68m - 1.003 72.22m - 1.003 51.78m - 1.003 66.12m - 1.003 74.41m - 1.003 74.39m - 1.003 409.19m - 1.003 225.33m - 1.003 Porous Paving (14) Porous Paving (13) 56.28m - 4.000 56.28m - 4.000 70.43m - 4.000 51.42m - 4.000 80.11m - 3.000 1.000	(None)	No Restriction

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Junction	Inlet Name	Incoming Item(s)	Bypass Destination	Capacity Type
S12	Inlet	43.34m - 1.002 40.03m - 1.002 40.03m - 1.002 51.93m - 1.002 62.49m - 1.002 69.40m - 1.002 90.05m - 1.002 76.28m - 1.002 80.43m - 1.002 72.91m - 1.002 408.09m - 1.002 Porous Paving (19) 68.30m - 1.002 53.67m - 1.002 68.30m - 2.000 64.44m - 2.000	(None)	No Restriction
	Inlet (1)	Porous Paving (18)	(None)	No Restriction
Hydrobrake	Inlet	1.011	(None)	No Restriction
Outfall	Inlet	1.012	(None)	No Restriction
S5	Inlet	127.04m - 1.009 72.30m - 1.009 1.006	(None)	No Restriction
	Inlet (1)	1.006 (1)	(None)	No Restriction
Simple Junction (7)	Inlet (1)	Porous Paving (3)	(None)	No Restriction
	Inlet	1.001 (1)	(None)	No Restriction
Simple Junction (5)	Inlet	Porous Paving (9)	(None)	No Restriction
	Inlet (1)	Porous Paving (10)	(None)	No Restriction
Simple Junction (2)	Inlet	2.001 (1)	(None)	No Restriction
	Inlet (1)	Porous Paving (2)	(None)	No Restriction
Simple Junction (3)	Inlet	2.000 (1)	(None)	No Restriction
	Inlet (1)	Porous Paving (1)	(None)	No Restriction
Simple Junction (4)	Inlet	1.005 (1)	(None)	No Restriction
	Inlet (1)	Porous Paving (5)	(None)	No Restriction
Simple Junction (6)	Inlet	1.001 (2)	(None)	No Restriction
	Inlet (1)	Porous Paving (12)	(None)	No Restriction
Simple Junction	Inlet	Porous Paving (11)	(None)	No Restriction
	Inlet (1)	1.000 (1)	(None)	No Restriction
Simple Junction (1)	Inlet	Porous Paving (15)	(None)	No Restriction
	Inlet (1)	1.000 (2)	(None)	No Restriction
Simple Junction (1)	Inlet	Porous Paving (16)	(None)	No Restriction
	Inlet (1)	Porous Paving (17)	(None)	No Restriction

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Outlets

Junction	Outlet Name	Outgoing Connection	Outlet Type
S4	Outlet	2.000 (1)	Free Discharge
S3	Outlet	2.001 (1)	Free Discharge
S2	Outlet	1.008	Free Discharge
S1	Outlet	1.009	Free Discharge
S6	Outlet	1.006 (1)	Free Discharge
S7	Outlet	1.005 (1)	Free Discharge
S8	Outlet	1.004	Free Discharge
S9	Outlet	1.003	Free Discharge
S10	Outlet	1.002	Free Discharge
S11	Outlet	1.001 (2)	Free Discharge
S12	Outlet	1.000 (2)	Free Discharge
Hydrobrake	Outlet	1.012	Hydro-Brake®
	Invert Level (m)	35.729	
	Design Depth (m)	1.770	
	Design Flow (L/s)	9.6	
	Objective	Minimise Upstream Storage Requirements	
	Application	Surface Water Only	
	Sump Available	☒	
	Unit Reference	SHE-0132-9600-1770-9600	
S5	Outlet	1.007	Free Discharge
Simple Junction (7)	Outlet	1.006	Free Discharge
Simple Junction (5)	Outlet	1.001	Free Discharge
Simple Junction (2)	Outlet	2.001	Free Discharge
Simple Junction (3)	Outlet	2.000	Free Discharge
Simple Junction (4)	Outlet	1.005	Free Discharge
Simple Junction (6)	Outlet	1.001 (1)	Free Discharge
Simple Junction	Outlet	1.000	Free Discharge
Simple Junction (1)	Outlet	1.000 (1)	Free Discharge

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Basin

Type : Pond

Dimensions

Exceedance Level (m)	37.800
Depth (m)	2.000
Base Level (m)	35.800
Freeboard (mm)	300
Initial Depth (m)	0.000
Porosity (%)	100
Average Slope (1:X)	3.397
Total Volume (m³)	1665.815

Depth (m)	Area (m²)	Volume (m³)
0.000	680.74	0.000
0.100	711.90	69.626
0.200	744.34	142.432
0.300	777.42	218.514
0.400	811.11	297.935
0.500	845.39	380.754
0.600	880.33	467.034
0.700	915.99	556.844
0.800	952.39	650.257
0.900	989.53	747.347
1.000	1027.43	848.189
1.100	1066.09	952.859
1.200	1105.55	1061.435
1.300	1145.81	1173.997
1.400	1186.92	1290.628
1.500	1228.91	1411.413
1.600	1271.82	1536.444
1.700	1315.74	1665.815
1.800	1360.70	1799.631
1.900	1406.78	1937.999
2.000	1454.04	2081.033

Inlets

Inlet

Inlet Type	Point Inflow
Incoming Item(s)	1423.92m - 1.012
Bypass Destination	(None)
Capacity Type	No Restriction

Inlet (1)

Inlet Type	Point Inflow
Incoming Item(s)	1.009
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	1.011
Outlet Type	Free Discharge

Campsifield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Advanced	
Perimeter	Circular
Length (m)	59.519
Friction Scheme	Manning's n
n	0.5

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (3)

Type : Porous Paving

Dimensions

Exceedance Level (m)	41.550
Depth (m)	0.560
Base Level (m)	40.990
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	15.530
Long. Slope (1:X)	200.00
Width (m)	5.269
Total Volume (m³)	8.591

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	81.52m - 1.008
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (3)
Outlet Type	Free Discharge

Advanced

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



Porous Paving (4)

Type : Porous Paving

Dimensions

Exceedance Level (m)	42.400
Depth (m)	0.660
Base Level (m)	41.740
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	52.136
Long. Slope (1:X)	200.00
Width (m)	11.444
Total Volume (m³)	80.550

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inlets

Inlet

Inlet Type	Lateral Inflow
	37.64m
	- 8.002
	176.53m
	- 8.002
	188.83m
	- 8.001
	40.03m
	- 9.000
	40.03m
	- 9.000
	54.08m
	- 9.000
	59.99m
	- 9.000
	59.99m
	- 9.000
	75.85m
	- 9.000
	177.61m
	- 9.000
	36.39m
	- 9.000
	36.39m
	- 9.000
	36.39m
	- 9.000
	53.56m
	- 9.000
	39.75m
	- 9.000
	64.46m
	- 9.000
	54.08m
	- 9.000
	76.10m
	- 9.000
Incoming Item(s)	
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	(None)
Outlet Type	Orifice
Diameter (m)	0.075
Coefficient of Discharge	0.600
Invert Level (m)	41.740

Outlet (1)

Outgoing Connection	Porous Paving (4)
Outlet Type	Free Discharge

Advanced

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

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (5)

Type : Porous Paving

Dimensions

Exceedance Level (m)	43.100
Depth (m)	0.660
Base Level (m)	42.440
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	14.536
Long. Slope (1:X)	200.00
Width (m)	5.359
Total Volume (m³)	10.516

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	78.24m - 1.007
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (5)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (6)

Type : Porous Paving

Dimensions

Exceedance Level (m)	44.150
Depth (m)	0.760
Base Level (m)	43.390
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	54.739
Long. Slope (1:X)	112.00
Width (m)	8.068
Total Volume (m³)	72.871

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inlets

Inlet

Inlet Type	Lateral Inflow
	77.39m
	- 7.001
	79.38m
	- 7.001
	54.08m
	- 7.001
	40.03m
	- 7.000
	117.70m
	- 7.000
	88.33m
	- 7.000
	27.53m
	- 7.000
	39.17m
	- 7.000
	40.03m
	- 7.000
Incoming Item(s)	54.08m
	- 7.000
	82.34m
	- 7.000
	22.06m
	- 7.000
	22.06m
	- 7.001
	67.46m
	- 7.001
	71.82m
	- 7.000
	78.24m
	- 7.000
	67.57m
	- 7.000
	111.34m
	- 7.000
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Porous Paving (6)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsifield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (10)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	46.950
Depth (m)	0.560
Base Level (m)	46.390
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	16.466
Long. Slope (1:X)	54.00
Width (m)	5.502
Total Volume (m³)	9.514

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	90.43m - 1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet	
Outgoing Connection	Porous Paving (10)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	500.0

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (12)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.200
Depth (m)	0.560
Base Level (m)	46.640
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	16.616
Long. Slope (1:X)	200.00
Width (m)	5.495
Total Volume (m³)	9.587

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	91.69m - 1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (12)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (14)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.600
Depth (m)	0.860
Base Level (m)	46.740
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	47.717
Long. Slope (1:X)	112.00
Width (m)	13.566
Total Volume (m³)	126.228

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inlets

Inlet

Inlet Type	Lateral Inflow
	357.05m
	- 4.000
	79.59m
	- 4.000
	125.86m
	- 4.000
	44.62m
	- 4.000
	44.68m
	- 4.000
	50.70m
	- 4.000
	50.70m
	- 4.000
	43.34m
	- 4.000
	56.28m
	- 4.000
	50.70m
	- 4.000
	50.70m
	- 4.000
	43.34m
	- 4.000
	56.28m
	- 4.000
	107.77m
	- 4.000
	68.25m
	- 4.000
	82.25m
	- 4.000
	108.79m
	- 4.000
	70.33m
	- 4.000
	76.67m
	- 4.000
	63.91m
	- 4.000
	143.59m
	- 4.000
Bypass Destination	(None)
Capacity Type	No Restriction

Incoming Item(s)

Outlets

Outlet (1)

Outgoing Connection	Porous Paving (14)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





Porous Paving (15)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.900
Depth (m)	0.560
Base Level (m)	47.340
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	16.609
Long. Slope (1:X)	200.00
Width (m)	5.495
Total Volume (m³)	9.582

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	91.77m - 1.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (15)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (17)

Type : Porous Paving

Dimensions

Exceedance Level (m)	48.150
Depth (m)	0.560
Base Level (m)	47.590
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	12.834
Long. Slope (1:X)	200.00
Width (m)	2.499
Total Volume (m³)	3.368

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	36.58m - 1.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (17)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (19)

Type : Porous Paving

Dimensions

Exceedance Level (m)	48.600
Depth (m)	0.810
Base Level (m)	47.790
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	66.241
Long. Slope (1:X)	200.00
Width (m)	11.477
Total Volume (m³)	136.848

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inlets

Inlet

Inlet Type	Lateral Inflow
	125.75m
	- 1.000
	77.93m
	- 1.002
	519.72m
	- 1.000
	47.90m
	- 1.000
	80.11m
	- 1.000
	47.89m
	- 1.000
	47.89m
	- 1.000
	47.89m
	- 1.000
	51.93m
	- 1.000
	51.93m
	- 1.000
	51.88m
	- 1.000
	50.04m
	- 1.000
	59.37m
	- 1.000
	77.05m
	- 1.000
	52.53m
	- 1.000
	71.61m
	- 1.000
	57.91m
	- 1.000
	72.47m
	- 1.000
	85.77m
	- 1.000
Incoming Item(s)	
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Porous Paving (19)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (18)
Type : Porous Paving

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Dimensions

Exceedance Level (m)	48.600
Depth (m)	0.660
Base Level (m)	47.940
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	57.561
Long. Slope (1:X)	63.00
Width (m)	11.252
Total Volume (m³)	87.439

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	135.13m
	- 2.000
	433.60m
	- 2.000
	45.46m
	- 2.000
	42.04m
	- 2.001
	51.93m
	- 2.000
	51.93m
	- 2.000
	68.30m
	- 2.000
	62.49m
	- 2.000
	62.49m
	- 2.000
	47.89m
	- 2.000
	87.92m
	- 2.000
	81.15m
	- 2.000
	57.26m
	- 2.000
	76.00m
	- 2.000
	78.21m
	- 2.000
	80.39m
	- 2.000
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Porous Paving (18)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (16)

Type : Porous Paving

Dimensions

Exceedance Level (m)	48.200
Depth (m)	0.560
Base Level (m)	47.640
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	17.055
Long. Slope (1:X)	200.00
Width (m)	5.718
Total Volume (m³)	10.241

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	98.20m - 1.002
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (16)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (13)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.650
Depth (m)	0.760
Base Level (m)	46.890
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	41.882
Long. Slope (1:X)	35.00
Width (m)	12.985
Total Volume (m³)	89.735

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (11)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.300
Depth (m)	0.560
Base Level (m)	46.740
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	15.203
Long. Slope (1:X)	200.00
Width (m)	5.486
Total Volume (m³)	8.757

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	84.02m - 1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (11)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (9)

Type : Porous Paving

Dimensions

Exceedance Level (m)	47.050
Depth (m)	0.560
Base Level (m)	46.490
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	14.547
Long. Slope (1:X)	46.00
Width (m)	5.374
Total Volume (m³)	8.209

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	78.36m - 1.003
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (9)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (7)

Type : Porous Paving

Dimensions	
Exceedance Level (m)	45.900
Depth (m)	0.760
Base Level (m)	45.140
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	35.581
Long. Slope (1:X)	187.00
Width (m)	6.179
Total Volume (m³)	36.278

Inlets	
Inlet	
Inlet Type	Lateral Inflow
Incoming Item(s)	26.30m
	- 6.000
	87.04m
	- 6.000
	78.25m
	- 6.000
	91.07m
	- 6.000
	82.34m
	- 6.000
	96.89m
	- 6.000
	42.73m
	- 6.000
	149.82m
	- 6.000
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets	
Outlet (1)	
Outgoing Connection	Porous Paving (7)
Outlet Type	Free Discharge

Advanced	
Conductivity (m/hr)	500.0

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (1)

Type : Porous Paving

Dimensions

Exceedance Level (m)	40.700
Depth (m)	0.560
Base Level (m)	40.140
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	11.000
Long. Slope (1:X)	120.00
Width (m)	8.000
Total Volume (m³)	9.240

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	87.93m - 10.000
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (1)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Porous Paving (2)

Type : Porous Paving

Dimensions

Exceedance Level (m)	40.595
Depth (m)	0.560
Base Level (m)	40.035
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	10.000
Long. Slope (1:X)	100.00
Width (m)	8.500
Total Volume (m³)	8.925

Inlets

Inlet

Inlet Type	Lateral Inflow
Incoming Item(s)	84.98m - 10.001
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet

Outgoing Connection	Porous Paving (2)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Porous Paving (8)

Type : Porous Paving

Dimensions

Exceedance Level (m)	46.100
Depth (m)	0.760
Base Level (m)	45.340
Paving Layer Depth (mm)	210
Membrane Percolation (m/hr)	300.0
Porosity (%)	30
Length (m)	54.200
Long. Slope (1:X)	200.00
Width (m)	10.000
Total Volume (m³)	89.430

Campsifield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inlets

Inlet

Inlet Type	Lateral Inflow
	162.52m
	- 5.001
	47.99m
	- 5.001
	99.67m
	- 5.000
	70.59m
	- 5.000
	118.61m
	- 5.000
	42.70m
	- 5.000
	77.03m
	- 5.000
	78.25m
	- 5.000
Incoming Item(s)	78.25m
	- 5.000
	78.25m
	- 5.001
	112.88m
	- 5.000
	22.06m
	- 5.000
	113.72m
	- 5.000
	42.73m
	- 5.000
	124.50m
	- 1.003
	22.06m
	- 5.001
	80.89m
	- 5.001
Bypass Destination	(None)
Capacity Type	No Restriction

Outlets

Outlet (1)

Outgoing Connection	Porous Paving (8)
Outlet Type	Free Discharge

Advanced

Conductivity (m/hr)	500.0
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Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Connections Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Name	Length (m)	Connection Type	Slope (1:X)	Manning's n	Colebrook-White Roughness (mm)	Diameter / Base Width (mm)	Upstream Cover Level (m)	Upstream Invert Level (m)
1.012	4.259	Pipe	149.979		0.6	225	37.800	35.729
1.011	8.524	Pipe	120.568		0.6	450	37.800	35.800
Porous Paving (15)	3.360	Pipe	2.686		0.6	150	47.983	47.340
2.001 (1)	5.361	Pipe	27.535		0.6	225	40.630	39.155
2.001	7.939	Pipe	27.535		0.6	225	40.586	38.960
Porous Paving (9)	5.550	Pipe	3.994		0.6	150	47.366	46.490
Porous Paving (11)	6.871	Pipe	5.069		0.6	150	47.376	46.740
Porous Paving (7)	10.232	Pipe	9.301		0.6	150	46.090	45.140
Porous Paving (3)	3.257	Pipe	3.323		0.6	150	41.628	40.990
Porous Paving (10)	4.109	Pipe	3.186		0.6	150	47.255	46.390
1.003	19.114	Pipe	29.680		0.6	300	45.790	44.040
1.002	12.166	Pipe	21.921		0.6	300	46.245	44.595
Porous Paving (8)	6.983	Pipe	5.371		0.6	150	46.371	45.340
2.000 (1)	15.091	Pipe	85.225		0.6	150	40.878	39.453
1.004	22.298	Pipe	25.928		0.6	300	45.046	43.396
Porous Paving (1)	4.876	Pipe	5.643		0.6	150	40.792	40.140
1.006	29.028	Pipe	24.535		0.6	375	41.760	40.010
Porous Paving (4)	3.276	Pipe	3.541		0.6	150	42.661	41.740
Porous Paving (2)	6.960	Pipe	6.476		0.6	150	40.695	40.035
Porous Paving (6)	2.641	Pipe	3.093		0.6	150	44.639	43.390
Porous Paving (5)	3.505	Pipe	3.827		0.6	150	43.173	42.440
1.001 (2)	25.540	Pipe	49.346		0.6	300	47.652	45.902
2.000	10.306	Pipe	85.225		0.6	150	40.731	39.276
1.000	14.323	Pipe	76.486		0.6	300	47.826	46.089
1.007	10.699	Pipe	69.024		0.6	450	40.577	38.827
1.008	25.328	Pipe	23.775		0.6	450	40.522	38.672
1.009	20.189	Pipe	11.174		0.6	450	39.257	37.607
1.001	24.937	Pipe	49.346		0.6	300	46.789	45.100
Porous Paving (13)	13.132	Pipe	13.291		0.6	150	48.847	46.890
Porous Paving (14)	7.212	Pipe	8.606		0.6	150	48.026	46.740
Porous Paving (17)	3.849	Pipe	2.907		0.6	150	48.214	47.590
1.000 (1)	13.540	Pipe	76.486		0.6	300	47.991	46.266
Porous Paving (16)	5.898	Pipe	4.294		0.6	150	48.285	47.640
Porous Paving (19)	12.411	Pipe	10.325		0.6	150	48.931	47.790
Porous Paving (18)	13.406	Pipe	9.916		0.6	150	49.514	47.940
1.005	17.120	Pipe	24.145		0.6	300	43.233	41.524
Porous Paving (12)	5.914	Pipe	4.710		0.6	150	47.283	46.640
1.001 (1)	14.019	Pipe	49.346		0.6	300	47.095	45.384
1.006 (1)	19.748	Pipe	24.535		0.6	375	42.565	40.815
1.005 (1)	24.434	Pipe	24.145		0.6	300	44.186	42.536
1.000 (2)	24.607	Pipe	76.486		0.6	300	48.291	46.588

Campsifield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Connections Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Name	Downstream Cover Level (m)	Downstream Invert Level (m)	Lock	Flow Restriction (L/s)	Culvert Type	Culvert Entrance
1.012	37.511	35.701	None	10.3	(None)	(None)
1.011	37.800	35.729	None		(None)	(None)
Porous Paving (15)	47.826	46.089	None		(None)	(None)
2.001 (1)	40.586	38.960	None		(None)	(None)
2.001	40.522	38.672	None		(None)	(None)
Porous Paving (9)	46.789	45.100	None		(None)	(None)
Porous Paving (11)	47.095	45.384	None		(None)	(None)
Porous Paving (7)	45.790	44.040	None		(None)	(None)
Porous Paving (3)	41.760	40.010	None		(None)	(None)
Porous Paving (10)	46.789	45.100	None		(None)	(None)
1.003	45.046	43.396	None		(None)	(None)
1.002	45.790	44.040	None		(None)	(None)
Porous Paving (8)	45.790	44.040	None		(None)	(None)
2.000 (1)	40.731	39.276	None		(None)	(None)
1.004	44.186	42.536	None		(None)	(None)
Porous Paving (1)	40.731	39.276	None		(None)	(None)
1.006	40.577	38.827	None		(None)	(None)
Porous Paving (4)	42.565	40.815	None		(None)	(None)
Porous Paving (2)	40.586	38.960	None		(None)	(None)
Porous Paving (6)	44.186	42.536	None		(None)	(None)
Porous Paving (5)	43.233	41.524	None		(None)	(None)
1.001 (2)	47.095	45.384	None		(None)	(None)
2.000	40.630	39.155	None		(None)	(None)
1.000	47.652	45.902	None		(None)	(None)
1.007	40.522	38.672	None		(None)	(None)
1.008	39.257	37.607	None		(None)	(None)
1.009	37.800	35.800	None		(None)	(None)
1.001	46.245	44.595	None		(None)	(None)
Porous Paving (13)	47.652	45.902	None		(None)	(None)
Porous Paving (14)	47.652	45.902	None		(None)	(None)
Porous Paving (17)	47.991	46.266	None		(None)	(None)
1.000 (1)	47.826	46.089	None		(None)	(None)
Porous Paving (16)	47.991	46.266	None		(None)	(None)
Porous Paving (19)	48.291	46.588	None		(None)	(None)
Porous Paving (18)	48.291	46.588	None		(None)	(None)
1.005	42.565	40.815	None		(None)	(None)
Porous Paving (12)	47.095	45.384	None		(None)	(None)
1.001 (1)	46.789	45.100	None		(None)	(None)
1.006 (1)	41.760	40.010	None		(None)	(None)
1.005 (1)	43.233	41.524	None		(None)	(None)
1.000 (2)	47.991	46.266	None		(None)	(None)

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Inflow Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Inflow Label	Connected To	Flow (L/s)	Runoff Method	Area (ha)	Percentage Impervious (%)	Urban Creep (%)	Adjusted Percentage Impervious (%)	Area Analysed (ha)
22.05m - 1.008	S6		Time of Concentration	0.002	100	0	100	0.002
22.06m - 1.003	S11		Time of Concentration	0.002	100	0	100	0.002
22.06m - 1.003	S11		Time of Concentration	0.002	100	0	100	0.002
22.06m - 5.000	Porous Paving (8)		Time of Concentration	0.002	100	0	100	0.002
22.06m - 5.001	Porous Paving (8)		Time of Concentration	0.002	100	0	100	0.002
22.06m - 7.000	Porous Paving (6)		Time of Concentration	0.002	100	0	100	0.002
22.06m - 7.001	Porous Paving (6)		Time of Concentration	0.002	100	0	100	0.002
26.30m - 6.000	Porous Paving (7)		Time of Concentration	0.003	100	0	100	0.003
27.53m - 7.000	Porous Paving (6)		Time of Concentration	0.003	100	0	100	0.003
36.39m - 9.000	Porous Paving (4)		Time of Concentration	0.004	100	10	110	0.004
36.39m - 9.000	Porous Paving (4)		Time of Concentration	0.004	100	10	110	0.004
36.39m - 9.000	Porous Paving (4)		Time of Concentration	0.004	100	10	110	0.004
36.58m - 1.002	Porous Paving (17)		Time of Concentration	0.004	100	0	100	0.004
37.64m - 8.002	Porous Paving (4)		Time of Concentration	0.004	100	0	100	0.004
39.17m - 7.000	Porous Paving (6)		Time of Concentration	0.004	100	0	100	0.004
39.75m - 9.000	Porous Paving (4)		Time of Concentration	0.004	30	0	30	0.001
40.03m - 1.002	S12		Time of Concentration	0.004	100	10	110	0.004
40.03m - 1.002	S12		Time of Concentration	0.004	100	10	110	0.004
40.03m - 3.000	Porous Paving (13)		Time of Concentration	0.004	100	10	110	0.004
40.03m - 7.000	Porous Paving (6)		Time of Concentration	0.004	100	10	110	0.004
40.03m - 7.000	Porous Paving (6)		Time of Concentration	0.004	100	10	110	0.004
40.03m - 9.000	Porous Paving (4)		Time of Concentration	0.004	100	10	110	0.004
40.03m - 9.000	Porous Paving (4)		Time of Concentration	0.004	100	10	110	0.004
42.04m - 2.001	Porous Paving (18)		Time of Concentration	0.004	100	0	100	0.004
42.70m - 5.000	Porous Paving (8)		Time of Concentration	0.004	100	0	100	0.004
42.73m - 5.000	Porous Paving (8)		Time of Concentration	0.004	100	0	100	0.004
42.73m - 6.000	Porous Paving (7)		Time of Concentration	0.004	100	0	100	0.004
42.73m - 10.001	S3		Time of Concentration	0.004	100	0	100	0.004
43.11m - 1.008	S6		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.002	S12		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Inflow Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT	



43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.003	S11		Time of Concentration	0.004	100	10	110	0.005
43.34m - 1.007	S7		Time of Concentration	0.004	100	10	110	0.005
43.34m - 4.000	Porous Paving (14)		Time of Concentration	0.004	100	10	110	0.005
43.34m - 4.000	Porous Paving (14)		Time of Concentration	0.004	100	10	110	0.005
44.62m - 4.000	Porous Paving (14)		Time of Concentration	0.004	100	0	100	0.004
44.68m - 4.000	Porous Paving (14)		Time of Concentration	0.004	100	0	100	0.004
45.46m - 2.000	Porous Paving (18)		Time of Concentration	0.005	100	0	100	0.005
47.89m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.005
47.89m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.005
47.89m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.005
47.89m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.005
47.89m - 2.000	Porous Paving (18)		Time of Concentration	0.005	100	10	110	0.005
47.89m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.005
47.90m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	0	100	0.005
47.99m - 5.001	Porous Paving (8)		Time of Concentration	0.005	100	0	100	0.005
50.04m - 1.000	Porous Paving (19)		Time of Concentration	0.005	30	0	30	0.002
50.70m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.006
50.70m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.006
50.70m - 4.000	Porous Paving (14)		Time of Concentration	0.005	100	10	110	0.006
50.70m - 4.000	Porous Paving (14)		Time of Concentration	0.005	100	10	110	0.006
50.70m - 4.000	Porous Paving (14)		Time of Concentration	0.005	100	10	110	0.006
50.70m - 4.000	Porous Paving (14)		Time of Concentration	0.005	100	10	110	0.006
51.42m - 4.000	S11		Time of Concentration	0.005	30	0	30	0.002
51.78m - 1.003	S11		Time of Concentration	0.005	30	0	30	0.002
51.88m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.006
51.93m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.006
51.93m - 1.000	Porous Paving (19)		Time of Concentration	0.005	100	10	110	0.006
51.93m - 1.002	S12		Time of Concentration	0.005	100	10	110	0.006
51.93m - 2.000	Porous Paving (18)		Time of Concentration	0.005	100	10	110	0.006
51.93m - 2.000	Porous Paving (18)		Time of Concentration	0.005	100	10	110	0.006
51.93m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.006

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Inflow Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



51.93m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.006
52.53m - 1.000	Porous Paving (19)		Time of Concentration	0.005	30	0	30	0.002
53.56m - 9.000	Porous Paving (4)		Time of Concentration	0.005	30	0	30	0.002
53.67m - 1.002	S12		Time of Concentration	0.005	30	0	30	0.002
53.67m - 10.000	S4		Time of Concentration	0.005	30	0	30	0.002
54.08m - 3.000	Porous Paving (13)		Time of Concentration	0.005	100	10	110	0.006
54.08m - 7.000	Porous Paving (6)		Time of Concentration	0.005	100	10	110	0.006
54.08m - 7.001	Porous Paving (6)		Time of Concentration	0.005	100	10	110	0.006
54.08m - 9.000	Porous Paving (4)		Time of Concentration	0.005	100	10	110	0.006
54.08m - 9.000	Porous Paving (4)		Time of Concentration	0.005	100	10	110	0.006
54.67m - 3.000	Porous Paving (13)		Time of Concentration	0.005	30	0	30	0.002
56.28m - 1.003	S11		Time of Concentration	0.006	100	10	110	0.006
56.28m - 4.000	S11		Time of Concentration	0.006	100	10	110	0.006
56.28m - 4.000	Porous Paving (14)		Time of Concentration	0.006	100	10	110	0.006
56.28m - 4.000	S11		Time of Concentration	0.006	100	10	110	0.006
56.28m - 4.000	Porous Paving (14)		Time of Concentration	0.006	100	10	110	0.006
56.28m - 8.002	S6		Time of Concentration	0.006	100	10	110	0.006
56.28m - 8.002			Time of Concentration	0.006	100	10	110	0.006
57.26m - 2.000	Porous Paving (18)		Time of Concentration	0.006	30	0	30	0.002
57.43m - 8.002	S6		Time of Concentration	0.006	30	0	30	0.002
57.47m - 3.000	Porous Paving (13)		Time of Concentration	0.006	30	0	30	0.002
57.91m - 1.000	Porous Paving (19)		Time of Concentration	0.006	30	0	30	0.002
58.65m - 8.002	S6		Time of Concentration	0.006	30	0	30	0.002
59.37m - 1.000	Porous Paving (19)		Time of Concentration	0.006	30	0	30	0.002
59.99m - 9.000	Porous Paving (4)		Time of Concentration	0.006	30	0	30	0.002
59.99m - 9.000	Porous Paving (4)		Time of Concentration	0.006	30	0	30	0.002
61.66m - 3.000	Porous Paving (13)		Time of Concentration	0.006	30	0	30	0.002
62.49m - 1.002	S12		Time of Concentration	0.006	100	10	110	0.007
62.49m - 2.000	Porous Paving (18)		Time of Concentration	0.006	100	10	110	0.007
62.49m - 2.000	Porous Paving (18)		Time of Concentration	0.006	100	10	110	0.007
63.91m - 4.000	Porous Paving (14)		Time of Concentration	0.006	30	0	30	0.002
64.44m - 2.000	S12		Time of Concentration	0.006	30	0	30	0.002
64.46m - 9.000	Porous Paving (4)		Time of Concentration	0.006	30	0	30	0.002
65.81m - 1.008	S6		Time of Concentration	0.007	30	0	30	0.002

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Report Details: Type: Inflow Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



66.12m - 1.003	S11		Time of Concentration	0.007	30	0	30	0.002
67.46m - 7.001	Porous Paving (6)		Time of Concentration	0.007	30	0	30	0.002
67.57m - 7.000	Porous Paving (6)		Time of Concentration	0.007	30	0	30	0.002
68.25m - 4.000	Porous Paving (14)		Time of Concentration	0.007	30	0	30	0.002
68.30m - 1.002	S12		Time of Concentration	0.007	100	10	110	0.008
68.30m - 2.000	S12		Time of Concentration	0.007	100	10	110	0.008
68.30m - 2.000	Porous Paving (18)		Time of Concentration	0.007	100	10	110	0.008
68.30m - 3.000	Porous Paving (13)		Time of Concentration	0.007	100	10	110	0.008
69.40m - 1.002	S12		Time of Concentration	0.007	30	0	30	0.002
70.33m - 4.000	Porous Paving (14)		Time of Concentration	0.007	30	0	30	0.002
70.43m - 4.000	S11		Time of Concentration	0.007	30	0	30	0.002
70.54m - 7.001	S7		Time of Concentration	0.007	100	10	110	0.008
70.59m - 5.000	Porous Paving (8)		Time of Concentration	0.007	100	0	100	0.007
71.61m - 1.000	Porous Paving (19)		Time of Concentration	0.007	30	0	30	0.002
71.82m - 7.000	Porous Paving (6)		Time of Concentration	0.007	30	0	30	0.002
72.22m - 1.003	S11		Time of Concentration	0.007	30	0	30	0.002
72.30m - 1.009	S5		Time of Concentration	0.007	100	10	110	0.008
72.47m - 1.000	Porous Paving (19)		Time of Concentration	0.007	30	0	30	0.002
72.68m - 1.003	S11		Time of Concentration	0.007	30	0	30	0.002
72.91m - 1.002	S12		Time of Concentration	0.007	30	0	30	0.002
74.39m - 1.003	S11		Time of Concentration	0.007	30	0	30	0.002
74.41m - 1.003	S11		Time of Concentration	0.007	30	0	30	0.002
75.85m - 9.000	Porous Paving (4)		Time of Concentration	0.008	30	0	30	0.002
76.00m - 2.000	Porous Paving (18)		Time of Concentration	0.008	30	0	30	0.002
76.10m - 9.000	Porous Paving (4)		Time of Concentration	0.008	30	0	30	0.002
76.28m - 1.002	S12		Time of Concentration	0.008	30	0	30	0.002
76.67m - 4.000	Porous Paving (14)		Time of Concentration	0.008	30	0	30	0.002
77.03m - 1.003	S10		Time of Concentration	0.008	100	10	110	0.008
77.03m - 5.000	Porous Paving (8)		Time of Concentration	0.008	100	10	110	0.008
77.03m - 6.000	S10		Time of Concentration	0.008	100	10	110	0.008
77.05m - 1.000	Porous Paving (19)		Time of Concentration	0.008	30	0	30	0.002
77.30m - 3.000	Porous Paving (13)		Time of Concentration	0.008	30	0	30	0.002
77.39m - 7.001	Porous Paving (6)		Time of Concentration	0.008	100	0	100	0.008
77.93m - 1.002	Porous Paving (19)		Time of Concentration	0.008	100	0	100	0.008

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
	Report Details: Type: Inflow Summary Storm Phase: Surface Network 1		
The Bothy: Cams Hall Estate Fareham PO16 8UT			

78.21m	Porous		Time of	0.008	30	0	30	0.002
- 2.000	Paving (18)		Concentration					
78.24m	Porous		Time of	0.008	100	0	100	0.008
- 1.007	Paving (5)		Concentration					
78.24m	Porous		Time of	0.008	30	0	30	0.002
- 7.000	Paving (6)		Concentration					
78.25m	S6		Time of	0.008	30	10	33	0.003
- 1.008			Concentration					
78.25m	Porous		Time of	0.008	100	10	110	0.009
- 5.000	Paving (8)		Concentration					
78.25m	Porous		Time of	0.008	100	10	110	0.009
- 5.000	Paving (8)		Concentration					
78.25m	Porous		Time of	0.008	100	10	110	0.009
- 5.001	Paving (8)		Concentration					
78.25m	Porous		Time of	0.008	100	10	110	0.009
- 6.000	Paving (7)		Concentration					
78.36m	Porous		Time of	0.008	100	0	100	0.008
- 1.003	Paving (9)		Concentration					
79.38m	Porous		Time of	0.008	100	0	100	0.008
- 7.001	Paving (6)		Concentration					
79.59m	Porous		Time of	0.008	100	0	100	0.008
- 4.000	Paving (14)		Concentration					
80.11m	Porous		Time of	0.008	100	10	110	0.009
- 1.000	Paving (19)		Concentration					
80.11m	S11		Time of	0.008	100	10	110	0.009
- 3.000			Concentration					
80.39m	Porous		Time of	0.008	30	0	30	0.002
- 2.000	Paving (18)		Concentration					
80.43m	S12		Time of	0.008	30	0	30	0.002
- 1.002			Concentration					
80.89m	Porous		Time of	0.008	30	0	30	0.002
- 5.001	Paving (8)		Concentration					
80.95m	Porous		Time of	0.008	30	0	30	0.002
- 3.000	Paving (13)		Concentration					
81.09m	Porous		Time of	0.008	30	0	30	0.002
- 3.000	Paving (13)		Concentration					
81.15m	Porous		Time of	0.008	30	0	30	0.002
- 2.000	Paving (18)		Concentration					
81.52m	Porous		Time of	0.008	100	0	100	0.008
- 1.008	Paving (3)		Concentration					
82.25m	Porous		Time of	0.008	30	0	30	0.002
- 4.000	Paving (14)		Concentration					
82.34m	Porous		Time of	0.008	100	10	110	0.009
- 6.000	Paving (7)		Concentration					
82.34m	Porous		Time of	0.008	100	10	110	0.009
- 7.000	Paving (6)		Concentration					
82.34m	S4		Time of	0.008	100	10	110	0.009
- 10.000			Concentration					
82.34m	S4		Time of	0.008	30	10	33	0.003
- 10.000			Concentration					
83.31m	S11		Time of	0.008	30	0	30	0.002
- 1.003			Concentration					
83.84m	S7		Time of	0.008	30	0	30	0.003
- 7.001			Concentration					
84.02m	Porous		Time of	0.008	100	0	100	0.008
- 1.003	Paving (11)		Concentration					
84.98m	Porous		Time of	0.008	100	0	100	0.008
- 10.001	Paving (2)		Concentration					
85.77m	Porous		Time of	0.009	30	0	30	0.003
- 1.000	Paving (19)		Concentration					
87.01m	S6		Time of	0.009	30	0	30	0.003
- 1.008			Concentration					
87.04m	Porous		Time of	0.009	100	0	100	0.009
- 6.000	Paving (7)		Concentration					
87.92m	Porous		Time of	0.009	30	0	30	0.003
- 2.000	Paving (18)		Concentration					
87.93m	Porous		Time of	0.009	100	0	100	0.009
- 10.000	Paving (1)		Concentration					

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Inflow Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



88.21m - 1.008	S6		Time of Concentration	0.009	100	0	100	0.009
88.33m - 7.000	Porous Paving (6)		Time of Concentration	0.009	100	0	100	0.009
88.93m - 6.000	S10		Time of Concentration	0.009	30	0	30	0.003
90.05m - 1.002	S12		Time of Concentration	0.009	30	0	30	0.003
90.43m - 1.003	Porous Paving (10)		Time of Concentration	0.009	100	0	100	0.009
91.07m - 6.000	Porous Paving (7)		Time of Concentration	0.009	100	0	100	0.009
91.69m - 1.003	Porous Paving (12)		Time of Concentration	0.009	100	0	100	0.009
91.77m - 1.002	Porous Paving (15)		Time of Concentration	0.009	100	0	100	0.009
94.04m - 3.000	Porous Paving (13)		Time of Concentration	0.009	30	0	30	0.003
94.47m - 1.003	S10		Time of Concentration	0.009	30	0	30	0.003
96.89m - 6.000	Porous Paving (7)		Time of Concentration	0.010	30	0	30	0.003
98.20m - 1.002	Porous Paving (16)		Time of Concentration	0.010	100	0	100	0.010
99.32m - 3.000	Porous Paving (13)		Time of Concentration	0.010	30	0	30	0.003
99.67m - 5.000	Porous Paving (8)		Time of Concentration	0.010	100	0	100	0.010
101.58m - 10.000	S4		Time of Concentration	0.010	30	0	30	0.003
104.70m - 10.001	S3		Time of Concentration	0.010	30	0	30	0.003
107.77m - 4.000	Porous Paving (14)		Time of Concentration	0.011	30	0	30	0.003
108.79m - 4.000	Porous Paving (14)		Time of Concentration	0.011	100	0	100	0.011
110.23m - 3.000	Porous Paving (13)		Time of Concentration	0.011	30	0	30	0.003
111.34m - 7.000	Porous Paving (6)		Time of Concentration	0.011	30	0	30	0.003
112.88m - 5.000	Porous Paving (8)		Time of Concentration	0.011	30	0	30	0.003
113.72m - 5.000	Porous Paving (8)		Time of Concentration	0.011	30	0	30	0.003
114.50m - 1.007	S7		Time of Concentration	0.011	30	0	30	0.003
117.70m - 7.000	Porous Paving (6)		Time of Concentration	0.012	100	0	100	0.012
118.61m - 5.000	Porous Paving (8)		Time of Concentration	0.012	100	0	100	0.012
122.27m - 1.008	S6		Time of Concentration	0.012	30	0	30	0.004
122.29m - 3.000	Porous Paving (13)		Time of Concentration	0.012	100	0	100	0.012
124.50m - 1.003	Porous Paving (8)		Time of Concentration	0.012	30	0	30	0.004
125.75m - 1.000	Porous Paving (19)		Time of Concentration	0.013	100	0	100	0.013
125.86m - 4.000	Porous Paving (14)		Time of Concentration	0.013	100	0	100	0.013
127.04m - 1.009	S5		Time of Concentration	0.013	100	0	100	0.013
127.15m - 1.007	S7		Time of Concentration	0.013	100	0	100	0.013
135.13m - 2.000	Porous Paving (18)		Time of Concentration	0.014	100	0	100	0.014
143.59m - 4.000	Porous Paving (14)		Time of Concentration	0.014	100	0	100	0.014

Campsfield, : Southwater	Date: 17/07/2026		
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148.15m - 1.004	S10		Time of Concentration	0.015	100	0	100	0.015
149.82m - 6.000	Porous Paving (7)		Time of Concentration	0.015	30	0	30	0.004
158.97m - 1.008	S6		Time of Concentration	0.016	100	0	100	0.016
159.21m - 1.006	S8		Time of Concentration	0.016	100	0	100	0.016
162.52m - 5.001	Porous Paving (8)		Time of Concentration	0.016	100	0	100	0.016
176.53m - 8.002	Porous Paving (4)		Time of Concentration	0.018	100	0	100	0.018
177.61m - 9.000	Porous Paving (4)		Time of Concentration	0.018	100	0	100	0.018
188.83m - 8.001	Porous Paving (4)		Time of Concentration	0.019	100	0	100	0.019
189.23m - 1.008	S6		Time of Concentration	0.019	100	0	100	0.019
201.74m - 1.008	S6		Time of Concentration	0.020	100	0	100	0.020
218.54m - 1.005	S9		Time of Concentration	0.022	100	0	100	0.022
225.33m - 1.003	S11		Time of Concentration	0.023	100	0	100	0.023
277.43m - 1.007	S7		Time of Concentration	0.028	100	0	100	0.028
357.05m - 4.000	Porous Paving (14)		Time of Concentration	0.036	100	0	100	0.036
408.09m - 1.002	S12		Time of Concentration	0.041	100	0	100	0.041
409.19m - 1.003	S11		Time of Concentration	0.041	100	0	100	0.041
433.60m - 2.000	Porous Paving (18)		Time of Concentration	0.043	100	0	100	0.043
486.43m - 10.000	S4		Time of Concentration	0.049	100	0	100	0.049
515.92m - 3.000	Porous Paving (13)		Time of Concentration	0.052	100	0	100	0.052
519.72m - 1.000	Porous Paving (19)		Time of Concentration	0.052	100	0	100	0.052
1006.74m - 1.011	S1		Time of Concentration	0.083	70	0	70	0.058
1423.92m - 1.012	Basin		Time of Concentration	0.180	100	0	100	0.180
Catchment Area	S4		Time of Concentration	0.004	100	0	100	0.004
TOTAL		0.0		2.189				1.786

Campsifield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Outfall Details Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Outfalls

Outfall	Outfall Type	Gated	Fixed Surcharged Level (m)	Level Curve
Porous Paving (4)	Free Discharge			
Outfall	Free Discharge			

Campsitefield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Title: Rainfall Analysis Criteria	The Bothy: Cams Hall Estate Fareham PO16 8UT		



Runoff Type	Dynamic
Output Interval (mins)	5
Time Step	Shortest
Urban Creep	Use Catchment Values
Junction Flood Risk Margin (mm)	0
Perform No Discharge Analysis	☐

Rainfall	
FEH	Type: FEH
Site Location	GB 516055 124881 TQ 16055 24881
Rainfall Version	2022
Summer	☒
Winter	☒

Return Period

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

Storm Durations

Duration (mins)	Run Time (mins)
15	30
30	60
60	120
120	240
240	480
360	720
480	960
960	1920
1440	2880
2160	4320
2880	5760

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





FEH: 100 years: Increase Rainfall (%): +45: 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
S4	FEH: 100 years: +45 %: 15 mins: Winter	40.878	39.453	40.878	1.425	57.1	2.347	0.307	41.8	26.446	Flood
S3	FEH: 100 years: +45 %: 15 mins: Summer	40.630	39.155	39.293	0.138	49.8	0.197	0.000	49.6	30.892	OK
S2	FEH: 100 years: +45 %: 15 mins: Summer	40.522	38.672	38.965	0.293	402.2	0.419	0.000	400.2	306.621	OK
S1	FEH: 100 years: +45 %: 15 mins: Summer	39.257	37.607	37.843	0.236	451.4	0.338	0.000	449.1	328.649	OK
S6	FEH: 100 years: +45 %: 15 mins: Summer	42.565	40.815	41.135	0.320	336.2	0.458	0.000	334.2	265.509	OK
S7	FEH: 100 years: +45 %: 15 mins: Summer	44.186	42.536	43.570	1.034	260.9	1.480	0.000	240.8	223.742	Surcharged
S8	FEH: 100 years: +45 %: 15 mins: Summer	45.046	43.396	44.518	1.122	214.3	1.606	0.000	209.0	191.497	Surcharged
S9	FEH: 100 years: +45 %: 15 mins: Winter	45.790	44.040	45.244	1.204	209.2	1.723	0.000	200.7	186.992	Surcharged
S10	FEH: 100 years: +45 %: 15 mins: Summer	46.245	44.595	45.734	1.139	186.4	1.629	0.000	179.1	163.332	Surcharged
S11	FEH: 100 years: +45 %: 15 mins: Summer	47.652	45.902	47.261	1.359	218.8	1.537	0.000	158.8	155.078	Surcharged
S12	FEH: 100 years: +45 %: 15 mins: Summer	48.291	46.588	47.826	1.238	115.5	1.772	0.000	105.9	58.552	Surcharged
Hydrobrake	FEH: 100 years: +45 %: 240 mins: Winter	37.800	35.729	37.131	1.401	10.0	2.476	0.000	9.6	209.789	Surcharged
Outfall	FEH: 100 years: +45 %: 480 mins: Winter	37.511	35.701	35.774	0.073	9.6	0.000	0.000	9.6	448.667	OK
S5	FEH: 100 years: +45 %: 15 mins: Summer	40.577	38.827	39.232	0.405	351.7	0.579	0.000	349.3	274.069	OK
Simple Junction (7)	FEH: 100 years: +45 %: 15 mins: Summer		40.010	40.310	0.300	336.5			333.5	266.540	OK
Simple Junction (5)	FEH: 100 years: +45 %: 30 mins: Winter		45.100	46.189	1.089	159.5			157.2	225.607	Surcharged
Simple Junction (2)	FEH: 100 years: +45 %: 15 mins: Summer		38.960	39.091	0.131	53.1			52.9	32.884	OK
Simple Junction (3)	FEH: 100 years: +45 %: 15 mins: Summer		39.276	40.061	0.785	44.1			43.2	28.076	Surcharged
Simple Junction (4)	FEH: 100 years: +45 %: 30 mins: Summer		41.524	42.194	0.670	241.6			241.3	331.531	Surcharged

Campsifield, : Southwater	Date: 17/07/2026		
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Simple Junction (6)	FEH: 100 years: +45 %: 30 mins: Winter	45.38 4	46.535	1.151	159.1	156.3	219.959	Surcharged
Simple Junction	FEH: 100 years: +45 %: 15 mins: Summer	46.08 9	47.394	1.305	102.4	93.4	62.598	Surcharged
Simple Junction (1)	FEH: 100 years: +45 %: 15 mins: Summer	46.26 6	47.562	1.296	109.7	102.4	60.711	Surcharged

Campsifield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Outflow

Campsfield, : Southwater		Date: 17/07/2026		
		Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Junctions Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT		



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
S4	FEH: 30 years: +40 %: 15 mins: Summer	40.87 8	39.45 3	40.558	1.105	46.6	1.582	0.000	37.4	20.228	Surcharged
S3	FEH: 30 years: +40 %: 15 mins: Summer	40.63 0	39.15 5	39.275	0.120	40.9	0.171	0.000	40.3	23.586	OK
S2	FEH: 30 years: +40 %: 15 mins: Summer	40.52 2	38.67 2	38.936	0.264	347.9	0.378	0.000	344.4	233.458	OK
S1	FEH: 30 years: +40 %: 15 mins: Summer	39.25 7	37.60 7	37.817	0.210	383.6	0.300	0.000	381.8	250.352	OK
S6	FEH: 30 years: +40 %: 15 mins: Summer	42.56 5	40.81 5	41.100	0.285	299.9	0.408	0.000	298.0	202.125	OK
S7	FEH: 30 years: +40 %: 30 mins: Summer	44.18 6	42.53 6	43.328	0.792	228.9	1.133	0.000	227.6	246.076	Surcharged
S8	FEH: 30 years: +40 %: 15 mins: Winter	45.04 6	43.39 6	44.031	0.635	191.0	0.909	0.000	194.6	145.679	Surcharged
S9	FEH: 30 years: +40 %: 30 mins: Summer	45.79 0	44.04 0	44.865	0.825	190.8	1.180	0.000	188.6	208.128	Surcharged
S10	FEH: 30 years: +40 %: 15 mins: Winter	46.24 5	44.59 5	45.117	0.522	174.0	0.748	0.000	165.9	124.415	Surcharged
S11	FEH: 30 years: +40 %: 15 mins: Winter	47.65 2	45.90 2	46.718	0.816	176.0	0.923	0.000	168.7	110.890	Surcharged
S12	FEH: 30 years: +40 %: 30 mins: Winter	48.29 1	46.58 8	46.747	0.159	63.6	0.228	0.000	66.7	63.355	OK
Hydrobrake	FEH: 30 years: +40 %: 2880 mins: Winter	37.80 0	35.72 9	36.860	1.131	9.6	1.998	0.000	9.6	2077.308	Surcharged
Outfall	FEH: 30 years: +40 %: 2880 mins: Winter	37.51 1	35.70 1	35.774	0.073	9.6	0.000	0.000	9.6	2077.300	OK
S5	FEH: 30 years: +40 %: 15 mins: Summer	40.57 7	38.82 7	39.187	0.360	309.8	0.515	0.000	305.6	208.646	OK
Simple Junction (7)	FEH: 30 years: +40 %: 15 mins: Summer		40.01 0	40.277	0.267	299.8			295.9	202.874	OK
Simple Junction (5)	FEH: 30 years: +40 %: 15 mins: Summer		45.10 0	45.746	0.646	163.1			153.5	113.676	Surcharged
Simple Junction (2)	FEH: 30 years: +40 %: 15 mins: Summer		38.96 0	39.073	0.112	42.9			42.3	25.071	OK
Simple Junction (3)	FEH: 30 years: +40 %: 15 mins: Summer		39.27 6	39.856	0.580	39.3			35.9	21.433	Surcharged
Simple Junction (4)	FEH: 30 years: +40 %: 30 mins: Summer		41.52 4	42.085	0.561	228.9			228.4	247.605	Surcharged
Simple Junction (6)	FEH: 30 years: +40 %: 15 mins: Summer		45.38 4	46.115	0.730	168.9			159.3	111.398	Surcharged
Simple Junction	FEH: 30 years: +40 %: 15 mins: Winter		46.08 9	46.729	0.640	60.1			63.9	47.073	Surcharged
Simple Junction (1)	FEH: 30 years: +40 %: 30 mins: Summer		46.26 6	46.864	0.598	65.6			62.4	65.942	Surcharged

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Junctions Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





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
S4	FEH: 2 years: +0 %: 15 mins: Summer	40.87 8	39.45 3	39.558	0.105	15.0	0.151	0.000	14.4	6.506	OK
S3	FEH: 2 years: +0 %: 15 mins: Summer	40.63 0	39.15 5	39.222	0.067	16.1	0.097	0.000	15.9	7.525	OK
S2	FEH: 2 years: +0 %: 15 mins: Summer	40.52 2	38.67 2	38.812	0.140	120.3	0.200	0.000	117.2	72.239	OK
S1	FEH: 2 years: +0 %: 15 mins: Summer	39.25 7	37.60 7	37.716	0.110	129.8	0.157	0.000	127.7	77.682	OK
S6	FEH: 2 years: +0 %: 15 mins: Summer	42.56 5	40.81 5	40.958	0.143	108.1	0.204	0.000	105.6	62.413	OK
S7	FEH: 2 years: +0 %: 15 mins: Summer	44.18 6	42.53 6	42.674	0.138	89.8	0.197	0.000	87.1	51.932	OK
S8	FEH: 2 years: +0 %: 15 mins: Summer	45.04 6	43.39 6	43.523	0.127	76.2	0.182	0.000	73.9	44.735	OK
S9	FEH: 2 years: +0 %: 15 mins: Summer	45.79 0	44.04 0	44.175	0.135	75.0	0.193	0.000	72.7	43.335	OK
S10	FEH: 2 years: +0 %: 15 mins: Summer	46.24 5	44.59 5	44.712	0.117	67.0	0.168	0.000	65.2	38.309	OK
S11	FEH: 2 years: +0 %: 15 mins: Summer	47.65 2	45.90 2	46.040	0.138	63.3	0.156	0.000	60.9	33.711	OK
S12	FEH: 2 years: +0 %: 15 mins: Summer	48.29 1	46.58 8	46.683	0.095	26.6	0.136	0.000	25.4	13.731	OK
Hydrobrake	FEH: 2 years: +0 %: 480 mins: Summer	37.80 0	35.72 9	36.181	0.451	9.4	0.797	0.000	9.4	415.144	Surcharged
Outfall	FEH: 2 years: +0 %: 480 mins: Summer	37.51 1	35.70 1	35.773	0.072	9.4	0.000	0.000	9.4	415.060	OK
S5	FEH: 2 years: +0 %: 15 mins: Summer	40.57 7	38.82 7	39.008	0.181	107.8	0.259	0.000	104.0	64.407	OK
Simple Junction (7)	FEH: 2 years: +0 %: 15 mins: Summer		40.01 0	40.141	0.131	106.1			103.3	62.603	OK
Simple Junction (5)	FEH: 2 years: +0 %: 15 mins: Summer		45.10 0	45.238	0.137	60.9			58.9	34.875	OK
Simple Junction (2)	FEH: 2 years: +0 %: 15 mins: Summer		38.96 0	39.025	0.064	16.5			16.3	7.958	OK
Simple Junction (3)	FEH: 2 years: +0 %: 15 mins: Summer		39.27 6	39.381	0.105	15.0			14.5	6.834	OK
Simple Junction (4)	FEH: 2 years: +0 %: 15 mins: Summer		41.52 4	41.664	0.140	87.6			85.4	52.130	OK
Simple Junction (6)	FEH: 2 years: +0 %: 15 mins: Summer		45.38 4	45.527	0.143	62.0			59.8	34.236	OK
Simple Junction	FEH: 2 years: +0 %: 15 mins: Summer		46.08 9	46.187	0.098	25.6			24.6	14.431	OK
Simple Junction (1)	FEH: 2 years: +0 %: 15 mins: Summer		46.26 6	46.364	0.097	26.2			25.0	14.154	OK

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





FEH: 100 years: Increase Rainfall (%): +45: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Basin	FEH: 100 years: +45 %: 1440 mins: Winter	37.407	37.407	37.407	1.607	57.3	1545.402	0.000	9.7	1370.146		7.228	OK
Porous Paving (3)	FEH: 100 years: +45 %: 120 mins: Summer	41.246	41.001	41.109	0.119	3.0	2.923	0.000	1.3	5.295		65.975	OK
Porous Paving (4)	FEH: 100 years: +45 %: 360 mins: Summer	42.409	41.761	42.070	0.330	18.5	59.050	0.000	5.4	78.413	235	26.691	OK
Porous Paving (5)	FEH: 100 years: +45 %: 120 mins: Summer	42.688	42.452	42.558	0.118	2.9	2.749	0.000	1.3	5.189		73.857	OK
Porous Paving (6)	FEH: 100 years: +45 %: 360 mins: Summer	44.291	43.410	43.753	0.363	15.8	48.099	0.000	5.0	74.154	155	33.994	OK
Porous Paving (10)	FEH: 100 years: +45 %: 60 mins: Summer	46.825	46.404	46.494	0.104	4.7	2.826	0.000	2.1	4.943		70.296	OK
Porous Paving (12)	FEH: 100 years: +45 %: 120 mins: Summer	46.906	46.653	46.763	0.123	3.4	3.365	0.000	1.5	5.832		64.901	OK
Porous Paving (14)	FEH: 100 years: +45 %: 240 mins: Summer	47.631	46.781	47.135	0.395	35.5	76.769	0.000	10.7	106.679	95	39.182	OK
Porous Paving (15)	FEH: 100 years: +45 %: 120 mins: Summer	47.606	47.351	47.462	0.122	3.4	3.353	0.000	1.5	5.836		65.013	OK
Porous Paving (17)	FEH: 100 years: +45 %: 120 mins: Summer	47.845	47.598	47.714	0.124	1.4	1.197	0.000	0.7	2.543		64.463	OK
Porous Paving (19)	FEH: 100 years: +45 %: 480 mins: Summer	48.576	47.823	48.164	0.374	20.3	85.259	0.000	5.7	111.874	220	37.698	OK
Porous Paving (18)	FEH: 100 years: +45 %: 240 mins: Summer	49.154	47.978	48.256	0.316	28.0	61.314	0.000	8.1	89.129	125	29.878	OK
Porous Paving (16)	FEH: 100 years: +45 %: 120 mins: Summer	47.910	47.653	47.764	0.124	3.6	3.635	0.000	1.6	6.194		64.508	OK
Porous Paving (13)	FEH: 100 years: +45 %: 120 mins: Summer	48.391	46.948	47.234	0.344	48.6	56.189	0.000	15.7	90.075	45	37.383	OK

Campsfield, : Southwater		Date: 17/07/2026					
		Designed by: OT	Checked by: JS	Approved By: JS			
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT					

Porous Paving (11)	FEH: 100 years: +45 %: 120 mins: Summer	46.995	46.753	46.860	0.120	3.1	2.997	0.000	1.4	5.485		65.769	OK
Porous Paving (9)	FEH: 100 years: +45 %: 60 mins: Summer	46.925	46.504	46.587	0.097	4.1	2.287	0.000	2.0	4.603		72.144	OK
Porous Paving (7)	FEH: 100 years: +45 %: 240 mins: Summer	45.809	45.165	45.507	0.367	11.9	24.231	0.000	3.9	37.241	105	33.208	OK
Porous Paving (1)	FEH: 100 years: +45 %: 60 mins: Summer	40.378	40.156	40.242	0.102	4.6	2.686	0.000	2.1	4.723		70.934	OK
Porous Paving (2)	FEH: 100 years: +45 %: 60 mins: Summer	40.279	40.053	40.114	0.079	4.4	2.007	0.000	2.7	4.823		77.518	OK
Porous Paving (8)	FEH: 100 years: +45 %: 360 mins: Summer	46.093	45.366	45.724	0.384	19.6	62.378	0.000	5.8	83.798	210	30.250	OK

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



FEH: 30 years: Increase Rainfall (%): +40: Critical Storm Per Item: Rank By: Max. Resident Volume

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Basin	FEH: 30 years: +40 %: 960 mins: Summer	37.023	37.023	37.023	1.223	80.9	1087.266	0.000	9.7	844.889	845	34.731	OK
Porous Paving (3)	FEH: 30 years: +40 %: 120 mins: Summer	41.206	41.000	41.085	0.095	2.3	2.320	0.000	1.0	3.944		72.991	OK
Porous Paving (4)	FEH: 30 years: +40 %: 360 mins: Summer	42.316	41.758	42.003	0.263	14.3	47.052	0.000	4.0	58.585	140	41.586	OK
Porous Paving (5)	FEH: 30 years: +40 %: 120 mins: Summer	42.650	42.450	42.533	0.093	2.2	2.185	0.000	1.0	3.886		79.222	OK
Porous Paving (6)	FEH: 30 years: +40 %: 360 mins: Summer	44.191	43.408	43.679	0.289	12.3	38.264	0.000	3.7	56.544	50	47.491	OK
Porous Paving (10)	FEH: 30 years: +40 %: 120 mins: Summer	46.788	46.401	46.471	0.081	2.6	2.195	0.000	1.3	5.240		76.933	OK
Porous Paving (12)	FEH: 30 years: +40 %: 240 mins: Summer	46.867	46.649	46.738	0.098	1.7	2.678	0.000	0.8	5.978		72.064	OK
Porous Paving (14)	FEH: 30 years: +40 %: 240 mins: Summer	47.521	46.775	47.054	0.314	27.5	61.041	0.000	7.9	80.421		51.642	OK
Porous Paving (15)	FEH: 30 years: +40 %: 240 mins: Summer	47.567	47.348	47.437	0.097	1.7	2.668	0.000	0.8	5.982		72.153	OK
Porous Paving (17)	FEH: 30 years: +40 %: 120 mins: Summer	47.804	47.597	47.690	0.100	1.0	0.958	0.000	0.5	1.903		71.549	OK
Porous Paving (19)	FEH: 30 years: +40 %: 480 mins: Summer	48.470	47.818	48.087	0.297	15.7	67.797	0.000	4.3	83.678		50.458	OK
Porous Paving (18)	FEH: 30 years: +40 %: 240 mins: Summer	49.081	47.973	48.190	0.250	21.7	48.488	0.000	6.1	68.887	65	44.547	OK
Porous Paving (16)	FEH: 30 years: +40 %: 240 mins: Summer	47.871	47.650	47.739	0.099	1.8	2.901	0.000	0.9	6.375		71.674	OK
Porous Paving (13)	FEH: 30 years: +40 %: 120 mins: Summer	48.314	46.938	47.160	0.270	37.3	44.078	0.000	11.7	69.387		50.879	OK

Campsfield, : Southwater		Date: 17/07/2026					
		Designed by: OT	Checked by: JS	Approved By: JS			
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT					

Porous Paving (11)	FEH: 30 years: +40 %: 120 mins: Summer	46.956	46.751	46.835	0.095	2.4	2.380	0.000	1.0	4.095		72.822	OK
Porous Paving (9)	FEH: 30 years: +40 %: 60 mins: Summer	46.894	46.502	46.565	0.075	3.1	1.762	0.000	1.4	3.453		78.539	OK
Porous Paving (7)	FEH: 30 years: +40 %: 240 mins: Summer	45.705	45.161	45.434	0.294	9.2	19.417	0.000	2.9	27.916	50	46.476	OK
Porous Paving (1)	FEH: 30 years: +40 %: 120 mins: Summer	40.345	40.152	40.221	0.081	2.5	2.130	0.000	1.3	4.904		76.948	OK
Porous Paving (2)	FEH: 30 years: +40 %: 120 mins: Summer	40.248	40.049	40.098	0.063	2.4	1.595	0.000	1.5	4.832		82.124	OK
Porous Paving (8)	FEH: 30 years: +40 %: 360 mins: Summer	45.984	45.362	45.646	0.306	15.2	49.792	0.000	4.3	62.599	120	44.323	OK

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Stormwater Controls Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



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

Stormwater Control	Storm Event	Max. US Level (m)	Max. DS Level (m)	Max. Avg. Level (m)	Max. Avg. Depth (m)	Max. Inflow (L/s)	Max. Resident Volume (m³)	Max. Flooded Volume (m³)	Max. Outflow (L/s)	Total Discharge Volume (m³)	Half Drain Down Time (mins)	Percentage Available (%)	Status
Basin	FEH: 2 years: +0 %: 480 mins: Summer	36.181	36.180	36.181	0.381	49.4	282.257	0.000	9.4	415.884		83.056	OK
Porous Paving (3)	FEH: 2 years: +0 %: 240 mins: Summer	41.121	40.995	41.030	0.040	0.6	0.985	0.000	0.2	1.940		88.536	OK
Porous Paving (4)	FEH: 2 years: +0 %: 480 mins: Summer	42.117	41.750	41.853	0.113	4.6	20.206	0.000	1.2	24.682		74.915	OK
Porous Paving (5)	FEH: 2 years: +0 %: 240 mins: Summer	42.565	42.445	42.480	0.040	0.6	0.928	0.000	0.2	1.901		91.173	OK
Porous Paving (6)	FEH: 2 years: +0 %: 480 mins: Summer	43.986	43.400	43.512	0.122	3.9	16.112	0.000	1.1	25.290		77.889	OK
Porous Paving (10)	FEH: 2 years: +0 %: 120 mins: Summer	46.724	46.396	46.420	0.030	0.9	0.828	0.000	0.4	1.826		91.301	OK
Porous Paving (12)	FEH: 2 years: +0 %: 360 mins: Summer	46.778	46.645	46.682	0.042	0.5	1.140	0.000	0.2	2.607		88.107	OK
Porous Paving (14)	FEH: 2 years: +0 %: 360 mins: Summer	47.289	46.759	46.873	0.133	8.0	25.762	0.000	2.2	37.253		79.591	OK
Porous Paving (15)	FEH: 2 years: +0 %: 360 mins: Summer	47.478	47.345	47.382	0.041	0.5	1.136	0.000	0.2	2.614		88.142	OK
Porous Paving (17)	FEH: 2 years: +0 %: 240 mins: Summer	47.713	47.593	47.632	0.042	0.3	0.406	0.000	0.1	0.917		87.945	OK
Porous Paving (19)	FEH: 2 years: +0 %: 960 mins: Summer	48.246	47.805	47.919	0.129	3.7	29.368	0.000	1.1	45.532		78.539	OK
Porous Paving (18)	FEH: 2 years: +0 %: 360 mins: Summer	48.928	47.959	48.041	0.101	6.3	19.710	0.000	1.9	33.607		77.459	OK
Porous Paving (16)	FEH: 2 years: +0 %: 360 mins: Summer	47.781	47.645	47.682	0.042	0.5	1.234	0.000	0.2	2.798		87.953	OK
Porous Paving (13)	FEH: 2 years: +0 %: 240 mins: Summer	48.149	46.916	46.994	0.104	9.1	16.976	0.000	3.3	35.092		81.082	OK

Campsfield, : Southwater		Date: 17/07/2026		
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Porous Paving (11)	FEH: 2 years: +0 %: 240 mins: Summer	46.870	46.746	46.780	0.040	0.6	1.013	0.000	0.3	2.012		88.433	OK
Porous Paving (9)	FEH: 2 years: +0 %: 120 mins: Summer	46.831	46.496	46.518	0.028	0.8	0.653	0.000	0.4	1.622		92.046	OK
Porous Paving (7)	FEH: 2 years: +0 %: 480 mins: Summer	45.472	45.151	45.268	0.128	2.2	8.423	0.000	0.7	14.121		76.783	OK
Porous Paving (1)	FEH: 2 years: +0 %: 240 mins: Summer	40.269	40.147	40.172	0.032	0.6	0.850	0.000	0.3	2.335		90.801	OK
Porous Paving (2)	FEH: 2 years: +0 %: 240 mins: Summer	40.178	40.042	40.060	0.025	0.6	0.635	0.000	0.4	2.252		92.881	OK
Porous Paving (8)	FEH: 2 years: +0 %: 480 mins: Summer	45.750	45.353	45.472	0.132	4.9	21.478	0.000	1.3	26.012		75.984	OK

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





FEH: 100 years: Increase Rainfall (%): +45: 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
1.012	FEH: 100 years: +45 %: 480 mins: Winter	Pipe	Hydrobrake	Outfall	37.800	37.281	0.076	448.667	0.8	0.23	9.6	Surcharged
1.011	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Basin	Hydrobrake	37.800	36.307	0.450	10.295	0.4	0.06	17.3	Surcharged
Porous Paving (15)	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Porous Paving (15)	Simple Junction	47.983	47.422	0.150	1.431	0.2	0.02	2.5	OK
2.001 (1)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S3	Simple Junction (2)	40.630	39.293	0.134	30.892	2.0	0.5	49.6	OK
2.001	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (2)	S2	40.586	39.091	0.212	32.884	1.4	0.53	52.9	OK
Porous Paving (9)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (9)	Simple Junction (5)	47.366	46.565	0.150	1.586	0.2	0.03	2.4	OK
Porous Paving (11)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (11)	Simple Junction (6)	47.376	46.822	0.150	1.344	0.1	0.03	2.4	OK
Porous Paving (7)	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Porous Paving (7)	S9	46.090	45.379	0.150	4.850	0.9	0.27	15.8	Surcharged
Porous Paving (3)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (3)	Simple Junction (7)	41.628	41.071	0.150	1.298	0.1	0.02	2.3	OK
Porous Paving (10)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (10)	Simple Junction (5)	47.255	46.467	0.150	1.671	0.2	0.03	2.7	OK
1.003	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S9	S8	45.790	45.244	0.300	185.828	2.8	0.98	200.7	Surcharged
1.002	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S10	S9	46.245	45.734	0.300	163.332	2.7	0.75	179.1	Surcharged
Porous Paving (8)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (8)	S9	46.371	45.547	0.150	9.388	1.0	0.22	17.0	Surcharged
2.000 (1)	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	S4	Simple Junction (3)	40.878	40.878	0.150	26.446	2.4	2.17	41.8	Flood

Campsfield, : Southwater	Date: 17/07/2026				
	Designed by: OT	Checked by: JS	Approved By: JS		
Report Details: Type: Connections Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT			

1.004	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S8	S7	45.046	44.518	0.300	191.497	3.0	0.95	209.0	Surcharged
Porous Paving (1)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (1)	Simple Junction (3)	40.792	40.217	0.150	1.657	0.6	0.03	2.6	OK
1.006	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (7)	S5	41.760	40.310	0.352	266.540	3.1	0.82	333.5	OK
Porous Paving (4)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (4)	S6	42.661	41.917	0.150	8.263	0.9	0.16	15.2	Surcharged
Porous Paving (2)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (2)	Simple Junction (2)	40.695	40.096	0.076	2.006	0.6	0.05	3.5	OK
Porous Paving (6)	FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Porous Paving (6)	S7	44.639	43.655	0.150	12.933	1.4	0.24	24.5	Surcharged
Porous Paving (5)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (5)	Simple Junction (4)	43.173	42.521	0.150	1.272	0.1	0.02	2.2	OK
1.001 (2)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S11	Simple Junction (6)	47.652	47.261	0.300	143.680	2.2	1	158.8	Surcharged
2.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (3)	S3	40.731	40.061	0.150	28.076	2.4	2.25	43.2	Surcharged
1.000	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction	S11	47.826	47.394	0.300	62.055	1.3	0.73	93.4	Surcharged
1.007	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S5	S2	40.577	39.232	0.349	274.069	2.6	0.9	349.3	OK
1.008	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S2	S1	40.522	38.965	0.264	306.621	4.2	0.6	400.2	OK
1.009	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S1	Basin	39.257	37.843	0.353	328.649	3.8	0.46	449.1	OK
1.001	FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Simple Junction (5)	S10	46.789	46.189	0.300	225.607	2.3	0.99	157.2	Surcharged
Porous Paving (13)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (13)	S11	48.847	47.175	0.150	14.806	1.8	0.63	31.0	Surcharged
Porous Paving (14)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (14)	S11	48.026	47.036	0.150	12.748	3.0	0.87	53.3	Surcharged
Porous Paving (17)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (17)	Simple Junction (1)	48.214	47.678	0.150	0.643	0.1	0.01	1.1	OK

Campsfield, : Southwater	Date: 17/07/2026			
	Designed by: OT	Checked by: JS	Approved By: JS	
Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT			

1.000 (1)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Simple Junction (1)	Simple Junction	47.991	47.562	0.300	60.690	1.4	0.8	102.4	Surcharged
Porous Paving (16)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (16)	Simple Junction (1)	48.285	47.722	0.150	1.512	0.2	0.03	2.7	OK
Porous Paving (19)	FEH: 100 years: +45 %: 15 mins: Winter	Pipe	Porous Paving (19)	S12	48.931	47.981	0.150	11.190	1.0	0.32	17.9	Surcharged
Porous Paving (18)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (18)	S12	49.514	48.125	0.150	10.388	1.0	0.29	16.8	Surcharged
1.005	FEH: 100 years: +45 %: 30 mins: Summer	Pipe	Simple Junction (4)	S6	43.233	42.194	0.300	331.531	3.4	1.06	241.3	Surcharged
Porous Paving (12)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	Porous Paving (12)	Simple Junction (6)	47.283	46.723	0.150	1.418	0.1	0.03	2.6	OK
1.001 (1)	FEH: 100 years: +45 %: 30 mins: Winter	Pipe	Simple Junction (6)	Simple Junction (5)	47.095	46.535	0.300	219.959	2.2	0.99	156.3	Surcharged
1.006 (1)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S6	Simple Junction (7)	42.565	41.135	0.310	265.509	3.4	0.82	334.2	OK
1.005 (1)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S7	Simple Junction (4)	44.186	43.570	0.300	221.431	3.4	1.06	240.8	Surcharged
1.000 (2)	FEH: 100 years: +45 %: 15 mins: Summer	Pipe	S12	Simple Junction (1)	48.291	47.826	0.300	58.552	1.5	0.83	105.9	Surcharged

Campsfield, : Southwater	Date: 17/07/2026		
	Designed by: OT	Checked by: JS	Approved By: JS
Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





FEH: 30 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
1.012	FEH: 30 years: +40 %: 2880 mins: Winter	Pipe	Hydrobrake	Outfall	37.800	36.860	0.076	2077.300	0.8	0.23	9.6	Surcharged
1.011	FEH: 30 years: +40 %: 60 mins: Summer	Pipe	Basin	Hydrobrake	37.800	36.486	0.450	51.810	0.5	0.04	12.7	Surcharged
Porous Paving (15)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (15)	Simple Junction	47.983	47.403	0.150	1.064	0.1	0.02	2.0	OK
2.001 (1)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S3	Simple Junction (2)	40.630	39.275	0.116	23.586	1.9	0.4	40.3	OK
2.001	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Simple Junction (2)	S2	40.586	39.073	0.188	25.071	1.2	0.43	42.3	OK
Porous Paving (9)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (9)	Simple Junction (5)	47.366	46.548	0.150	1.184	0.2	0.02	1.8	OK
Porous Paving (11)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (11)	Simple Junction (6)	47.376	46.803	0.150	0.991	0.1	0.02	1.8	OK
Porous Paving (7)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (7)	S9	46.090	45.313	0.150	3.612	0.4	0.11	6.3	Surcharged
Porous Paving (3)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (3)	Simple Junction (7)	41.628	41.053	0.140	0.960	0.1	0.02	1.7	OK
Porous Paving (10)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (10)	Simple Junction (5)	47.255	46.449	0.150	1.248	0.1	0.02	2.0	OK
1.003	FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S9	S8	45.790	44.865	0.300	208.128	2.8	0.92	188.6	Surcharged
1.002	FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S10	S9	46.245	45.117	0.300	124.415	2.3	0.7	165.9	Surcharged
Porous Paving (8)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (8)	S9	46.371	45.499	0.150	7.000	0.7	0.16	12.6	Surcharged
2.000 (1)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S4	Simple Junction (3)	40.878	40.558	0.150	20.228	2.1	1.94	37.4	Surcharged

Campsfield, : Southwater	Date: 17/07/2026				
	Designed by: OT	Checked by: JS	Approved By: JS		
Report Details: Type: Connections Summary Storm Phase: Surface Network 1		The Bothy: Cams Hall Estate Fareham PO16 8UT			

1.004	FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S8	S7	45.046	44.031	0.300	145.679	2.8	0.89	194.6	Surcharged
Porous Paving (1)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (1)	Simple Junction (3)	40.792	40.200	0.150	1.216	0.6	0.03	1.9	OK
1.006	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Simple Junction (7)	S5	41.760	40.277	0.313	202.874	3.0	0.73	295.9	OK
Porous Paving (4)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (4)	S6	42.661	41.876	0.150	6.152	0.6	0.12	11.3	OK
Porous Paving (2)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (2)	Simple Junction (2)	40.695	40.083	0.065	1.498	0.6	0.04	2.6	OK
Porous Paving (6)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (6)	S7	44.639	43.546	0.150	5.866	0.6	0.11	11.1	Surcharged
Porous Paving (5)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (5)	Simple Junction (4)	43.173	42.503	0.150	0.938	0.1	0.02	1.7	OK
1.001 (2)	FEH: 30 years: +40 %: 15 mins: Winter	Pipe	S11	Simple Junction (6)	47.652	46.718	0.300	109.456	2.4	1.06	168.7	Surcharged
2.000	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Simple Junction (3)	S3	40.731	39.856	0.150	21.433	2.0	1.86	35.9	Surcharged
1.000	FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Simple Junction	S11	47.826	46.729	0.300	47.073	0.9	0.5	63.9	Surcharged
1.007	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S5	S2	40.577	39.187	0.312	208.646	2.6	0.78	305.6	OK
1.008	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S2	S1	40.522	38.936	0.237	233.458	4.1	0.52	344.4	OK
1.009	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S1	Basin	39.257	37.817	0.323	250.352	3.8	0.39	381.8	OK
1.001	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Simple Junction (5)	S10	46.789	45.746	0.300	113.676	2.2	0.97	153.5	Surcharged
Porous Paving (13)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (13)	S11	48.847	47.072	0.150	11.003	1.1	0.39	19.3	Surcharged
Porous Paving (14)	FEH: 30 years: +40 %: 15 mins: Winter	Pipe	Porous Paving (14)	S11	48.026	46.924	0.150	9.953	2.0	0.58	35.4	Surcharged
Porous Paving (17)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (17)	Simple Junction (1)	48.214	47.659	0.150	0.473	0.1	0.01	0.8	OK

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		



1.000 (1)	FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Simple Junction (1)	Simple Junction	47.991	46.864	0.300	65.942	1.5	0.49	62.4	Surch arged
Porous Paving (16)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (16)	Simple Junction (1)	48.285	47.704	0.150	1.122	0.2	0.02	2.0	OK
Porous Paving (19)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (19)	S12	48.931	47.937	0.150	8.374	0.9	0.25	13.7	OK
Porous Paving (18)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (18)	S12	49.514	48.082	0.150	7.757	0.9	0.22	12.3	OK
1.005	FEH: 30 years: +40 %: 30 mins: Summer	Pipe	Simple Junction (4)	S6	43.233	42.085	0.300	247.605	3.2	1.01	228.4	Surch arged
Porous Paving (12)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Porous Paving (12)	Simple Junction (6)	47.283	46.704	0.150	1.057	0.1	0.02	1.9	OK
1.001 (1)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	Simple Junction (6)	Simple Junction (5)	47.095	46.115	0.300	111.398	2.3	1	159.3	Surch arged
1.006 (1)	FEH: 30 years: +40 %: 15 mins: Summer	Pipe	S6	Simple Junction (7)	42.565	41.100	0.276	202.125	3.4	0.74	298.0	OK
1.005 (1)	FEH: 30 years: +40 %: 30 mins: Summer	Pipe	S7	Simple Junction (4)	44.186	43.328	0.300	246.076	3.2	1	227.6	Surch arged
1.000 (2)	FEH: 30 years: +40 %: 30 mins: Winter	Pipe	S12	Simple Junction (1)	48.291	46.747	0.219	63.355	1.5	0.52	66.7	OK

Campsfield, : Southwater	Date: 17/07/2026		
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Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT		





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

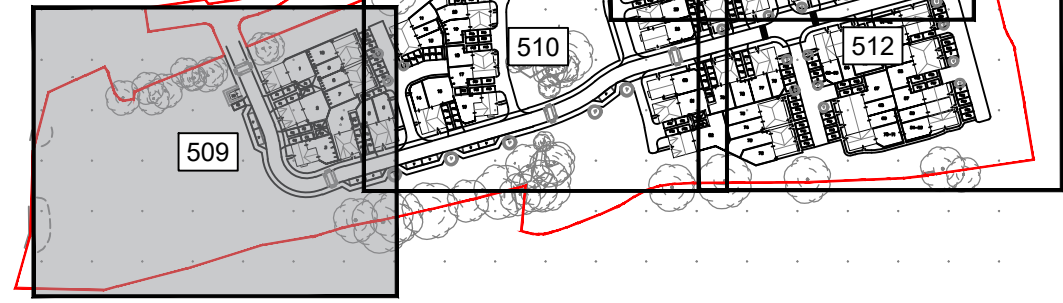
Connection	Storm Event	Connection Type	From	To	Upstream Cover Level (m)	Max. US Water Level (m)	Max. Flow Depth (m)	Discharge Volume (m³)	Max. Velocity (m/s)	Flow / Capacity	Max. Flow (L/s)	Status
1.012	FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Hydrobrake	Outfall	37.800	36.181	0.076	415.060	0.8	0.22	9.4	Surcharged
1.011	FEH: 2 years: +0 %: 480 mins: Summer	Pipe	Basin	Hydrobrake	37.800	36.181	0.416	415.884	0.2	0.03	9.4	OK
Porous Paving (15)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (15)	Simple Junction	47.983	47.361	0.053	0.313	0.1	0.01	0.6	OK
2.001 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S3	Simple Junction (2)	40.630	39.222	0.066	7.525	1.6	0.16	15.9	OK
2.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (2)	S2	40.586	39.025	0.102	7.958	0.9	0.16	16.3	OK
Porous Paving (9)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (9)	Simple Junction (5)	47.366	46.510	0.072	0.350	0.1	0.01	0.5	OK
Porous Paving (11)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (11)	Simple Junction (6)	47.376	46.762	0.075	0.290	0.1	0.01	0.5	OK
Porous Paving (7)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (7)	S9	46.090	45.197	0.076	1.016	0.2	0.03	1.8	OK
Porous Paving (3)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (3)	Simple Junction (7)	41.628	41.011	0.069	0.279	0.1	0.01	0.5	OK
Porous Paving (10)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (10)	Simple Junction (5)	47.255	46.410	0.072	0.370	0.1	0.01	0.6	OK
1.003	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S9	S8	45.790	44.175	0.131	43.335	2.5	0.36	72.7	OK
1.002	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S10	S9	46.245	44.712	0.126	38.309	2.3	0.27	65.2	OK
Porous Paving (8)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (8)	S9	46.371	45.392	0.077	2.053	0.4	0.04	3.3	OK
2.000 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S4	Simple Junction (3)	40.878	39.558	0.105	6.506	1.1	0.75	14.4	OK
1.004	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S8	S7	45.046	43.523	0.133	44.735	2.5	0.34	73.9	OK
Porous Paving (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (1)	Simple Junction (3)	40.792	40.160	0.057	0.337	0.4	0.01	0.5	OK
1.006	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (7)	S5	41.760	40.141	0.156	62.603	2.4	0.25	103.3	OK
Porous Paving (4)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (4)	S6	42.661	41.785	0.080	1.776	0.3	0.03	2.9	OK
Porous Paving (2)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (2)	Simple Junction (2)	40.695	40.053	0.037	0.440	0.4	0.01	0.7	OK

Campsfield, : Southwater	Date: 17/07/2026			
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Report Details: Type: Connections Summary Storm Phase: Surface Network 1	The Bothy: Cams Hall Estate Fareham PO16 8UT			

Porous Paving (6)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (6)	S7	44.639	43.441	0.077	1.748	0.3	0.03	3.1	OK
Porous Paving (5)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (5)	Simple Junction (4)	43.173	42.461	0.073	0.272	0.1	0.01	0.5	OK
1.001 (2)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S11	Simple Junction (6)	47.652	46.040	0.140	33.711	1.9	0.38	60.9	OK
2.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (3)	S3	40.731	39.381	0.086	6.834	1.4	0.76	14.5	OK
1.000	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction	S11	47.826	46.187	0.118	14.431	1.0	0.19	24.6	OK
1.007	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S5	S2	40.577	39.008	0.160	64.407	2.0	0.27	104.0	OK
1.008	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S2	S1	40.522	38.812	0.125	72.239	3.3	0.18	117.2	OK
1.009	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S1	Basin	39.257	37.716	0.170	77.682	3.2	0.13	127.7	OK
1.001	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (5)	S10	46.789	45.238	0.127	34.875	2.1	0.37	58.9	OK
Porous Paving (13)	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving (13)	S11	48.847	46.965	0.075	5.935	0.8	0.09	4.2	OK
Porous Paving (14)	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving (14)	S11	48.026	46.815	0.073	4.462	0.5	0.07	4.3	OK
Porous Paving (17)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (17)	Simple Junction (1)	48.214	47.613	0.051	0.134	0.0	0	0.2	OK
1.000 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (1)	Simple Junction	47.991	46.364	0.098	14.154	1.2	0.2	25.0	OK
Porous Paving (16)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (16)	Simple Junction (1)	48.285	47.661	0.053	0.329	0.1	0.01	0.6	OK
Porous Paving (19)	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving (19)	S12	48.931	47.852	0.055	3.569	0.7	0.06	3.6	OK
Porous Paving (18)	FEH: 2 years: +0 %: 30 mins: Summer	Pipe	Porous Paving (18)	S12	49.514	47.999	0.054	3.618	0.7	0.06	3.3	OK
1.005	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (4)	S6	43.233	41.664	0.141	52.130	2.6	0.38	85.4	OK
Porous Paving (12)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Porous Paving (12)	Simple Junction (6)	47.283	46.661	0.075	0.309	0.1	0.01	0.5	OK
1.001 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	Simple Junction (6)	Simple Junction (5)	47.095	45.527	0.140	34.236	1.8	0.38	59.8	OK
1.006 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S6	Simple Junction (7)	42.565	40.958	0.137	62.413	2.9	0.26	105.6	OK
1.005 (1)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S7	Simple Junction (4)	44.186	42.674	0.139	51.932	2.7	0.38	87.1	OK
1.000 (2)	FEH: 2 years: +0 %: 15 mins: Summer	Pipe	S12	Simple Junction (1)	48.291	46.683	0.096	13.731	1.3	0.2	25.4	OK



NORTH



1:200 0m 10m

PRELIMINARY

DRAWING/DESIGN IS STILL 'IN DEVELOPMENT'
YOU ARE ADVISED TO MAKE DUE ALLOWANCE

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General Notes

- This drawing is intended to be read in conjunction with all relevant architects, engineers, services and specialist drawings, details and specifications.
- Any variations or discrepancies between these drawings in terms of dimensions or details should be drawn to the attention of the architect and/or the engineer for clarification.
- All figured dimensions to be taken in preference to scaled dimensions. Do not scale this drawing.
- Paul Basham Associates accepts no responsibility for the accuracy of background information produced by third parties – this must be treated as indicative only. Third party plans are included as per the following:
4.1. Topographical Survey - SS-MLH-001 - Received 28.04.2026
4.2. Site Layout - 3427-A-1005-PR-Q - Received 16.07.2026
- This drawing should only be used for construction if the project phase in the title frame below is shown as "construction". Paul Basham Associates take no responsibility for construction works undertaken to drawings which are not marked under this phase.
- Dwellings rainwater pipes discharge direct to subbase where adjacent to permeable paving. Where not adjacent to permeable paving, flows will be discharged to a private drain.

LEGEND:

- SITE BOUNDARY
- EXCEEDANCE FLOW
- DRAINABLE AREAS (CONTRIBUTING 100%)
- OPEN SPACE (CONTRIBUTING 70%)
- GARDEN AREAS (CONTRIBUTING 30%)

Total
IMP + UC
17569.875

Rev	Description	Date	By	App'd
P01	FIRST ISSUE	21.07.2026	OT	DP



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Project Name
CAMPSFIELD, SOUTHWATER

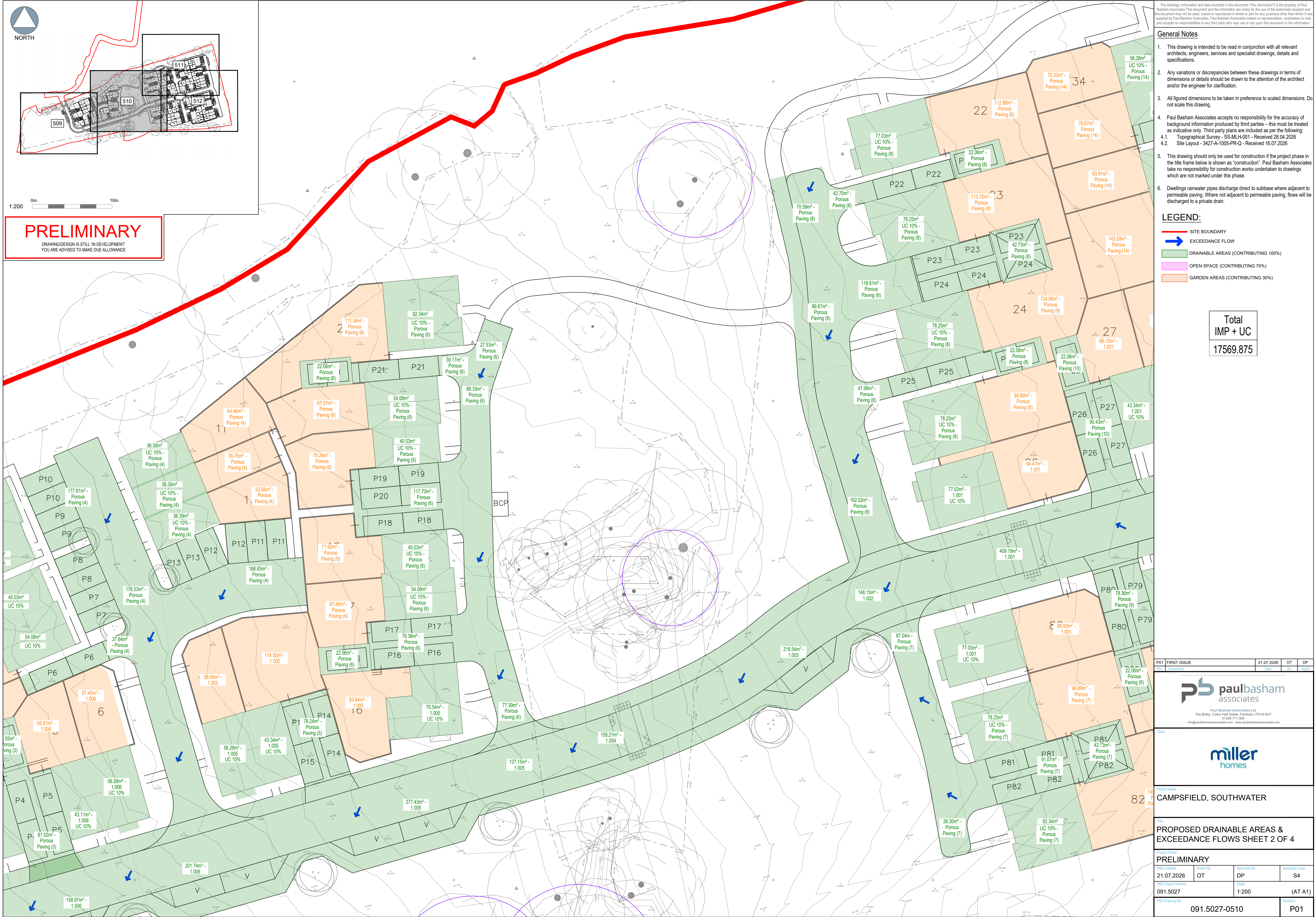
Title
**PROPOSED DRAINABLE AREAS &
EXCEEDANCE FLOWS SHEET 1 OF 4**

Project Phase
PRELIMINARY

Date Created 21.07.2026	Drawn By OT	Approved By DP	Suitability Code S4
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PBA Project Number 091.5027	Scale 1:200	(AT A1)
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PBA Drawing No 091.5027-0509	Revision P01
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P01 FIRST ISSUE		21.07.2026	OT	DP
Rev	Description	Date	By	Appr

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Client

Project Name

CAMPFIELD, SOUTHWATER

Title

PROPOSED DRAINABLE AREAS & EXCEEDANCE FLOWS SHEET 2 OF 4

Project Phase

PRELIMINARY

Date Created	Drawn By	Approved By	Suitability Code
21.07.2026	OT	DP	S4

PBA Project Number	Scale	(AT A1)
091.5027	1:200	

PBA Drawing No.	Revision
091.5027-0510	P01

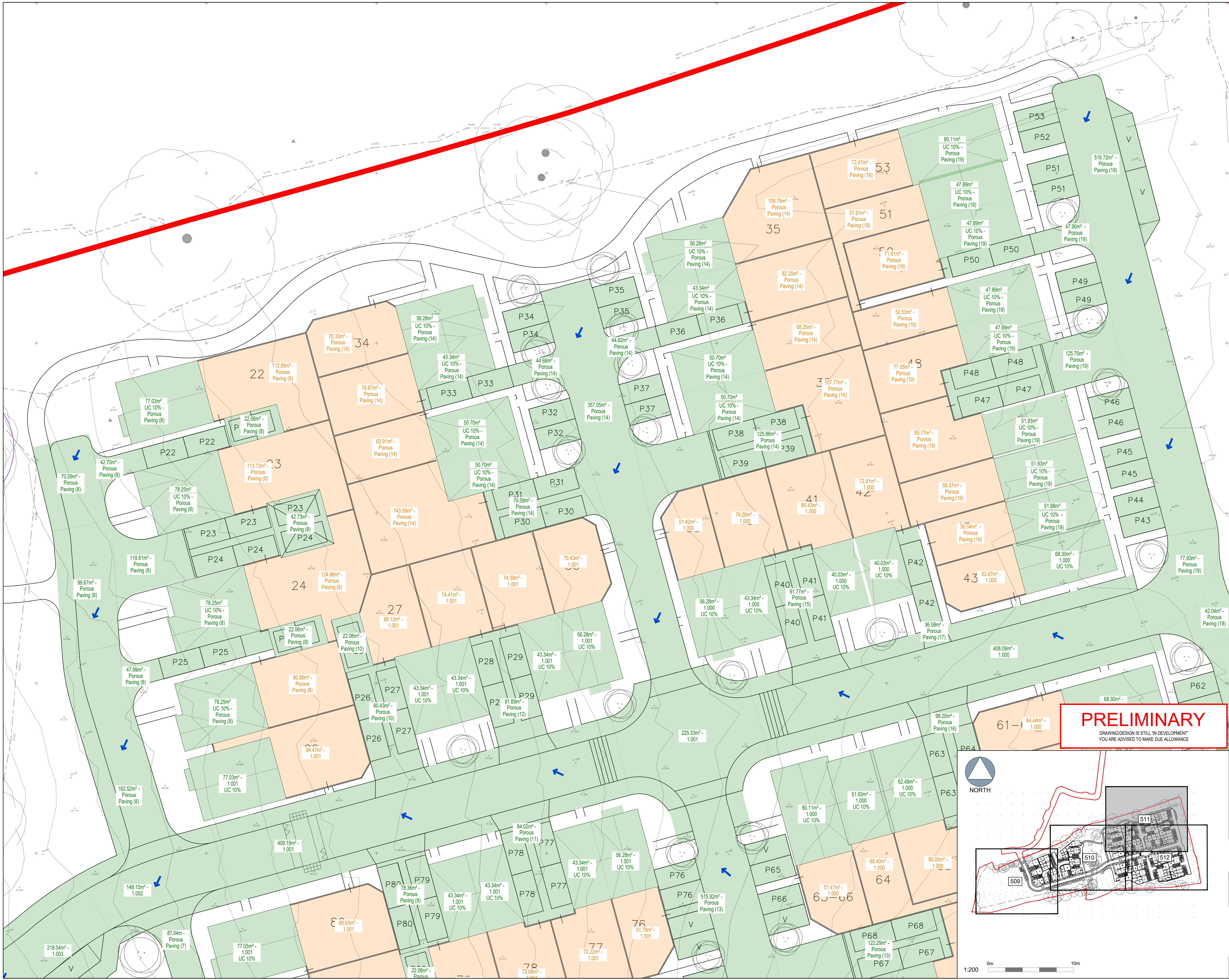
General Notes

- This drawing is intended to be read in conjunction with all relevant architects, engineers, services and specialist drawings, details and specifications.
- Any variations or discrepancies between these drawings in terms of dimensions or details should be drawn to the attention of the architect and/or the engineer for clarification.
- All figured dimensions to be taken in preference to scaled dimensions. Do not scale this drawing.
- Paul Basham Associates accepts no responsibility for the accuracy of background information produced by third parties – this must be treated as indicative only. Third party plans are included as per the following:
 - Topographical Survey - SS-MLH-001 - Received 28.04.2026
 - Site Layout - 3427-A-1005-PR-Q - Received 16.07.2026
- This drawing should only be used for construction if the project phase in the title frame below is shown as "construction". Paul Basham Associates take no responsibility for construction works undertaken to drawings which are not marked under this phase.
- Dwellings rainwater pipes discharge direct to subbase where adjacent to permeable paving. Where not adjacent to permeable paving, flows will be discharged to a private drain.

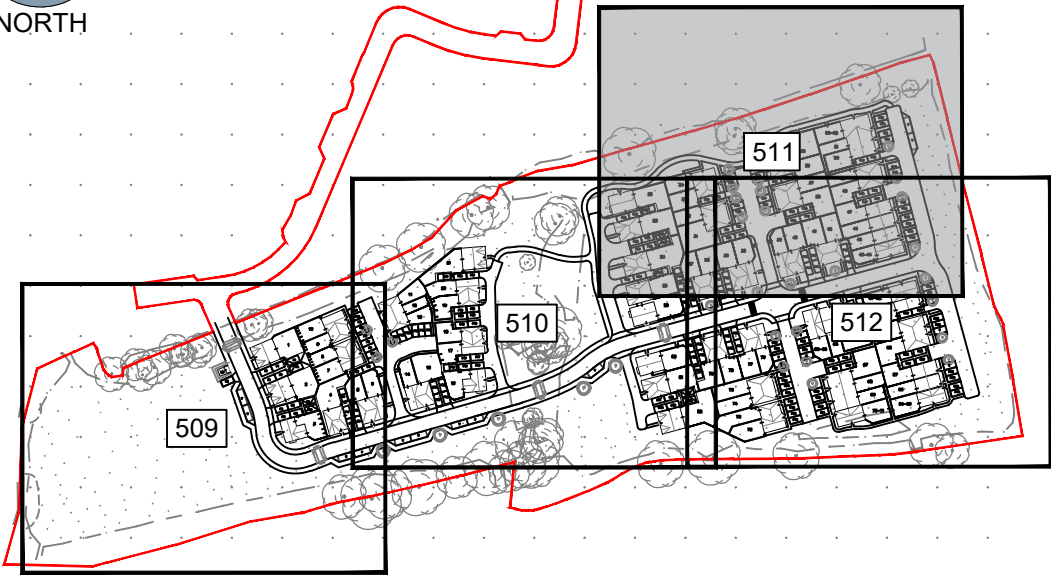
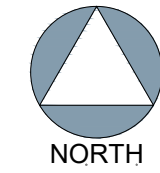
LEGEND:

- SITE BOUNDARY
- EXCEEDANCE FLOW
- DRAINABLE AREAS (CONTRIBUTING 100%)
- OPEN SPACE (CONTRIBUTING 70%)
- GARDEN AREAS (CONTRIBUTING 30%)

Total
IMP + UC
17569.875



PRELIMINARY
DRAWING/DESIGN IS STILL 'IN DEVELOPMENT'
YOU ARE ADVISED TO MAKE DUE ALLOWANCE



1:200 0m 10m

P01	FIRST ISSUE	21.07.2026	OT	DP
Rev	Description	Date	By	App'd



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CAMPSFIELD, SOUTHWATER

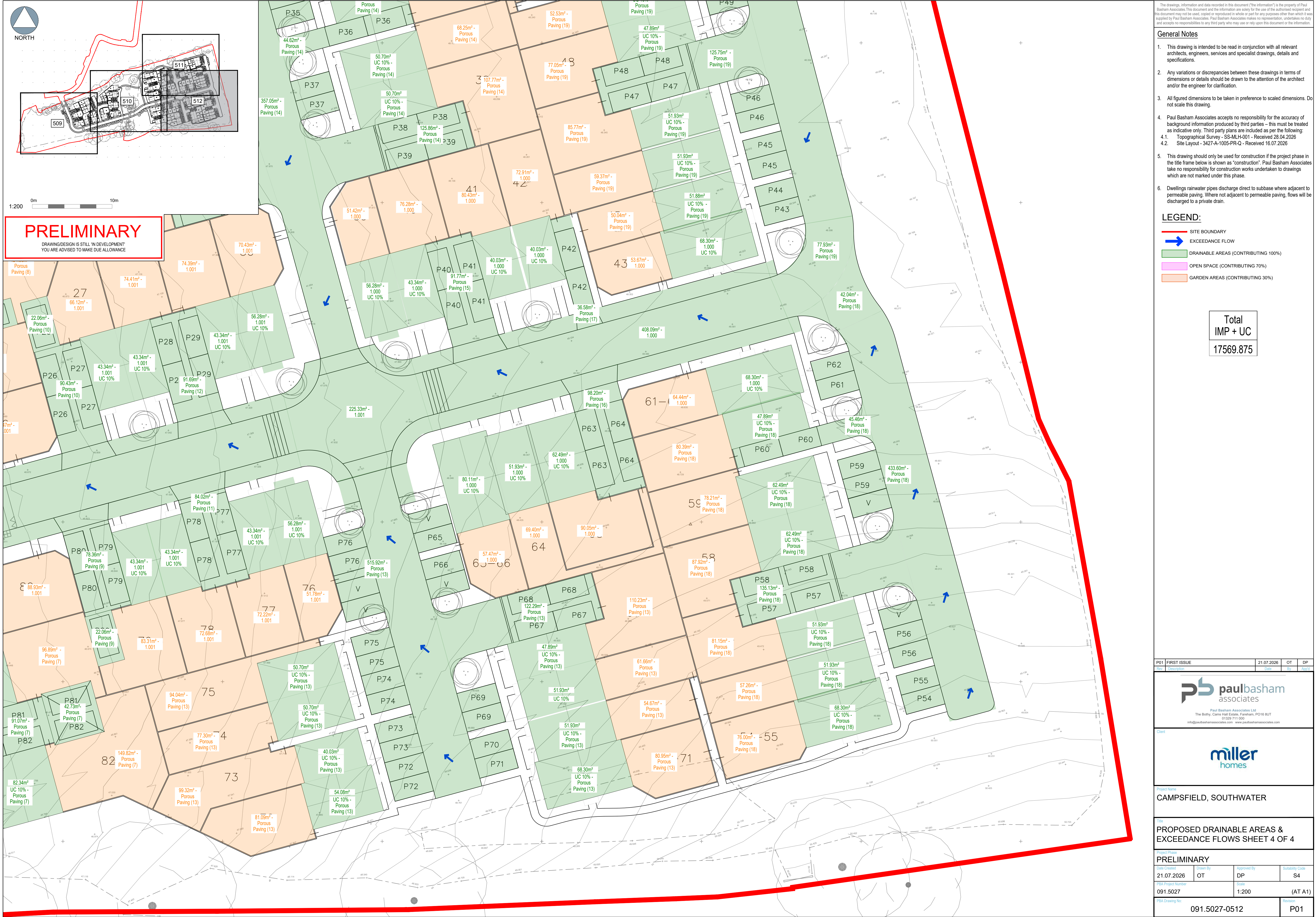
PROPOSED DRAINABLE AREAS &
EXCEEDANCE FLOWS SHEET 3 OF 4

Project Phase
PRELIMINARY

Date Created	Drawn By	Approved By	Suitability Code
21.07.2026	OT	DP	S4

PBA Project Number	Scale	(AT A1)
091.5027	1:200	

PBA Drawing No	Revision
091.5027-0511	P01



SUMMARY TABLE		DESIGN CONDITIONS			
		1	2	3	4
Land Use Type	Residential roofing				
Pollution Hazard Level	Very low				
Pollution Hazard Indices					
TSS	0.2				
Metals	0.2				
Hydrocarbons	0.05				
SuDS components proposed					
Component 1	Detention basin	SuDS components can only be assumed to deliver these indices if they follow design guidance with respect to hydraulics and treatment set out in the relevant technical component chapters of the SuDS Manual. See also checklists in Appendix B			
Component 2	None				
Component 3	None				
SuDS Pollution Mitigation Indices					
TSS	0.5				
Metals	0.5				
Hydrocarbons	0.6				
Groundwater protection type	None				
Groundwater protection					
Pollution Mitigation Indices					
TSS	0				
Metals	0				
Hydrocarbons	0				
Combined Pollution Mitigation Indices					
TSS	0.5	Reference to local planning documents should also be made to identify any additional protection required for sites due to habitat conservation (see Chapter 7 The SuDS design process). The implications of developments on or within close proximity to an area with an environmental designation, such as a Site of Special Scientific Interest (SSSI), should be considered via consultation with relevant conservation bodies such as Natural England			
Metals	0.5				
Hydrocarbons	0.6				
Acceptability of Pollution Mitigation					
TSS	Sufficient				
Metals	Sufficient				
Hydrocarbons	Sufficient				

SUMMARY TABLE		DESIGN CONDITIONS			
		1	2	3	4
Land Use Type	Residential roofing				
Pollution Hazard Level	Very low				
Pollution Hazard Indices					
TSS	0.2				
Metals	0.2				
Hydrocarbons	0.05				
SuDS components proposed					
Component 1	Pervious pavement (where the pavement is not designed as an infiltration component)	SuDS components can only be assumed to deliver these indices if they follow design guidance with respect to hydraulics and treatment set out in the relevant technical component chapters of the SuDS Manual. See also checklists in Appendix B			
Component 2	None				
Component 3	None				
SuDS Pollution Mitigation Indices					
TSS	0.7				
Metals	0.6				
Hydrocarbons	0.7				
Groundwater protection type	None				
Groundwater protection					
Pollution Mitigation Indices					
TSS	0				
Metals	0				
Hydrocarbons	0				
Combined Pollution Mitigation Indices					
TSS	0.7	Reference to local planning documents should also be made to identify any additional protection required for sites due to habitat conservation (see Chapter 7 The SuDS design process). The implications of developments on or within close proximity to an area with an environmental designation, such as a Site of Special Scientific Interest (SSSI), should be considered via consultation with relevant conservation bodies such as Natural England			
Metals	0.6				
Hydrocarbons	0.7				
Acceptability of Pollution Mitigation					
TSS	Sufficient				
Metals	Sufficient				
Hydrocarbons	Sufficient				

SUMMARY TABLE		DESIGN CONDITIONS			
		1	2	3	4
Land Use Type	Low traffic roads (e.g. residential roads and general access roads, < 300 traffic movements/day)				
Pollution Hazard Level	Low				
Pollution Hazard Indices					
TSS	0.5				
Metals	0.4				
Hydrocarbons	0.4				
SuDS components proposed					
Component 1	Detention basin	SuDS components can only be assumed to deliver these indices if they follow design guidance with respect to hydraulics and treatment set out in the relevant technical component chapters of the SuDS Manual. See also checklists in Appendix B			
Component 2	None				
Component 3	None				
SuDS Pollution Mitigation Indices					
TSS	0.5				
Metals	0.5				
Hydrocarbons	0.6				
Groundwater protection type	None				
Groundwater protection					
Pollution Mitigation Indices					
TSS	0				
Metals	0				
Hydrocarbons	0				
Combined Pollution Mitigation Indices					
TSS	0.5	Reference to local planning documents should also be made to identify any additional protection required for sites due to habitat conservation (see Chapter 7 The SuDS design process). The implications of developments on or within close proximity to an area with an environmental designation, such as a Site of Special Scientific Interest (SSSI), should be considered via consultation with relevant conservation bodies such as Natural England			
Metals	0.5				
Hydrocarbons	0.6				
Acceptability of Pollution Mitigation					
TSS	Sufficient				
Metals	Sufficient				
Hydrocarbons	Sufficient				

SUMMARY TABLE		DESIGN CONDITIONS			
		1	2	3	4
Land Use Type	Low traffic roads (e.g. residential roads and general access roads, < 300 traffic movements/day)				
Pollution Hazard Level	Low				
Pollution Hazard Indices					
TSS	0.5				
Metals	0.4				
Hydrocarbons	0.4				
SuDS components proposed					
Component 1	Pervious pavement (where the pavement is not designed as an infiltration component)	SuDS components can only be assumed to deliver these indices if they follow design guidance with respect to hydraulics and treatment set out in the relevant technical component chapters of the SuDS Manual. See also checklists in Appendix B			
Component 2	None				
Component 3	None				
SuDS Pollution Mitigation Indices					
TSS	0.7				
Metals	0.6				
Hydrocarbons	0.7				
Groundwater protection type	None				
Groundwater protection					
Pollution Mitigation Indices					
TSS	0				
Metals	0				
Hydrocarbons	0				
Combined Pollution Mitigation Indices		Reference to local planning documents should also be made to identify any additional protection required for sites due to habitat conservation (see Chapter 7 The SuDS design process). The implications of developments on or within close proximity to an area with an environmental designation, such as a Site of Special Scientific Interest (SSSI), should be considered via consultation with relevant conservation bodies such as Natural England			
TSS	0.7				
Metals	0.6				
Hydrocarbons	0.7				
Acceptability of Pollution Mitigation					
TSS	Sufficient				
Metals	Sufficient				
Hydrocarbons	Sufficient				