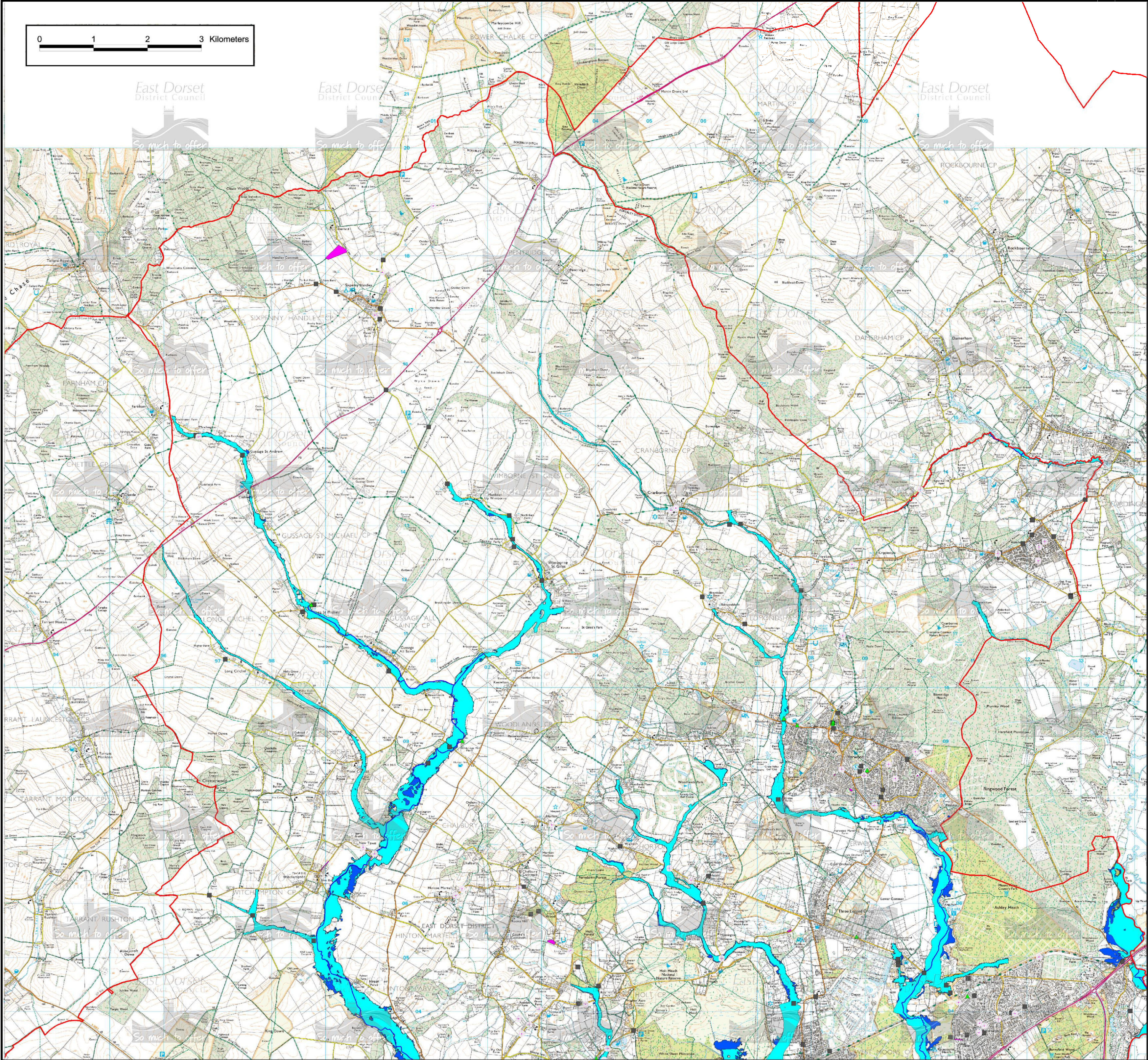
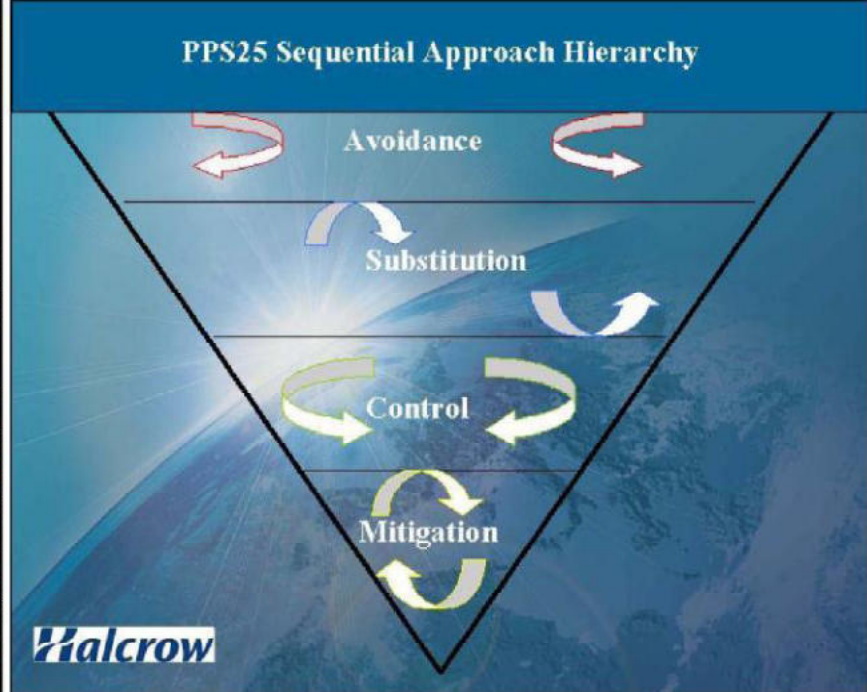




This map is to be used in conjunction with the SFRA report and GIS files for application of the Sequential Test. This test is the most important flood risk management tool for spatial planning, as it implements the high level measures of avoidance / prevention and substitution.

A Planning Authority applies the Sequential Test to demonstrate that there are no reasonably available sites in areas of lower flood risk that would be appropriate to the type of development or land use proposed. Preference should be given to locating new development in Flood Zone 1. If there is no reasonably available site in Flood Zone 1, the flood vulnerability of the proposed development can be taken into account in locating development in Flood Zone 2 and then Flood Zone 3. Within each Flood Zone new development should be directed to sites with lower flood risk from all sources as indicated by the SFRA.



PPS25: Flood Zones Definition

Zone 1 Low Probability
Definition
This zone comprises land assessed as having a less than 1 in 1000 annual probability of river or sea flooding in any year (<0.1%).
Appropriate uses
All uses of land are appropriate in this zone.
FRA requirements
For development proposals on sites comprising one hectare or above the vulnerability to flooding from other sources as well as from river and sea flooding, and the potential to increase flood risk elsewhere through the addition of hard surfaces and the effect of the new development on surface water run-off, should be incorporated in a FRA. This need only be brief unless the factors above or other local considerations require particular attention. See Annex E for minimum requirements.
Policy aims
In this zone, developers and local authorities should seek opportunities to reduce the overall level of flood risk in the area and beyond through the layout and form of the development, and the appropriate application of sustainable drainage techniques.

Zone 2 Medium Probability
Definition
This zone comprises land assessed as having between a 1 in 100 and 1 in 1000 annual probability of river flooding (1% - 0.1%) or between a 1 in 200 and 1 in 1000 annual probability of sea flooding (0.5% - 0.1%) in any year.
Appropriate uses
The water-compatible, less vulnerable and more vulnerable uses of land and essential infrastructure in Table D.2 are appropriate in this zone.
Subject to the Sequential Test being applied, the highly vulnerable uses in Table D.2 are only appropriate in this zone if the Exception Test (see para. D.9.) is passed.
FRA requirements
All development proposals in this zone should be accompanied by a FRA. See Annex E for minimum requirements.
Policy aims
In this zone, developers and local authorities should seek opportunities to reduce the overall level of flood risk in the area through the layout and form of the development, and the appropriate application of sustainable drainage techniques.

Zone 3a High Probability
Definition
This zone comprises land assessed as having a 1 in 100 or greater annual probability of river flooding (>1%) or a 1 in 200 or greater annual probability of flooding from the sea (>0.5%) in any year.
Appropriate uses
The water-compatible and less vulnerable uses of land in Table D.2 are appropriate in this zone.
The highly vulnerable uses in Table D.2 should not be permitted in this zone.
The more vulnerable and essential infrastructure uses in Table D.2 should only be permitted in this zone if the Exception Test (see para. D.9.) is passed. Essential infrastructure permitted in this zone should be designed and constructed to remain operational and safe for users in times of flood.
FRA requirements
All development proposals in this zone should be accompanied by a FRA. See Annex E for minimum requirements.
Policy aims
In this zone, developers and local authorities should seek opportunities to:
i. reduce the overall level of flood risk in the area through the layout and form of the development and the appropriate application of sustainable drainage techniques;
ii. relocate existing development to land in zones with a lower probability of flooding; and
iii. create space for flooding to occur by restoring functional floodplain and flood flow pathways and by identifying, allocating and safeguarding open space for flood storage.

Zone 3b The Functional Floodplain
Definition
This zone comprises land where water has to flow or be stored in times of flood. SFRA should identify this Flood Zone (land which would flood with an annual probability of 1 in 20 (5%) or greater in any year or is designed to flood in an extreme (0.1%) flood, or at another probability to be agreed between the LPA and the Environment Agency, including water conveyance routes).
Appropriate uses
Only the water-compatible uses and the essential infrastructure listed in Table D.2 that has to be there should be permitted in this zone. It should be designed and constructed to:
- remain operational and safe for users in times of flood;
- result in no net loss of floodplain storage;
- not impede water flows; and
- not increase flood risk elsewhere.
Essential infrastructure in this zone should pass the Exception Test.
FRA requirements
All development proposals in this zone should be accompanied by a FRA. See Annex E for minimum requirements.
Policy aims
In this zone, developers and local authorities should seek opportunities to:
i. reduce the overall level of flood risk in the area through the layout and form of the development and the appropriate application of sustainable drainage techniques; and
ii. relocate existing development to land with a lower probability of flooding.

Key Location Plan:

PPS25: Flood Risk Vulnerability Classification

Flood Risk Vulnerability	Essential Infrastructure	Highly Vulnerable	More Vulnerable	Less Vulnerable
Essential Infrastructure	Essential transport infrastructure (including most evacuation routes which have to cross the area at risk, and strategic utility infrastructure, including electricity generating power stations and grid and primary substations).	Police stations, ambulance stations and fire stations and Command Centres and telecommunications infrastructure required to be operational during flooding.	Residential institutions such as residential care homes, children's homes, social services homes, prisons and hotels.	Buildings used for drinking houses, student halls of residence, drinking establishments, nightclubs, and hotels.
Highly Vulnerable	Emergency disposal sites.	Barren dwellings.	Buildings used for drinking houses, student halls of residence, drinking establishments, nightclubs, and hotels.	Buildings used for shops, financial, professional and other services, restaurants and cafes, not food takeaways, offices, general industry, storage and distribution, non-industrial institutions not included in 'more vulnerable' and assembly and leisure.
More Vulnerable	Caravan, mobile homes and park homes intended for permanent residential use.	Installations requiring hazardous substances consent (H).	Landfill and sites used for waste management facilities for hazardous waste or	Land and buildings used for agriculture and forestry.
Less Vulnerable	Hospitals.	Buildings used for holiday or short let caravans and camping, subject to a specific warning and evacuation plan.	Water treatment works (landfill and hazardous waste facilities).	Water treatment plants.
Water-compatible development	Buildings used for shops, financial, professional and other services, restaurants and cafes, not food takeaways, offices, general industry, storage and distribution, non-industrial institutions not included in 'more vulnerable' and assembly and leisure.	Land and buildings used for agriculture and forestry.	Water treatment works (landfill and hazardous waste facilities).	Water treatment plants.

PPS25: Flood Risk Vulnerability and Flood Zone 'Compatibility'

Flood Risk Vulnerability	Zone 1	Zone 2	Zone 3a	Zone 3b	Zone 3c
Essential Infrastructure	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required
Highly Vulnerable	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required
More Vulnerable	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required
Less Vulnerable	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required	Sequential Test required

X Development should not be permitted

Legend

- Watercourse centreline
- Flood Storage Areas
- Wrexham Water: Approximate location of flooded properties
- Locations where sandbags have been requested
- Localised flooding incident
- Localised flooding area
- Environment Agency: FRIS properties
- Environment Agency: FRIS incidents
- Functional Floodplain (Zone 3b)*
- Flood Zone 2
- Historic flood outlines
- 1959
- 1979
- 1989
- 1990
- 1993
- 1995
- 2000
- 2002
- 2003
- unknown
- LPA boundary

*The Functional Floodplain is equivalent to Flood Zone 3a

Scale 1 in 35,000

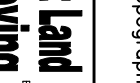
Bournemouth, Christchurch, East Dorset, North Dorset and Salisbury SFRA

Historic flood map and Flood Zones 2 and 3b (Tile Set 1, East Dorset: Tile A)

The map is prepared by Halcrow for the purposes of the Strategic Flood Risk Assessment (SFRA) for the Bournemouth, Christchurch, East Dorset, North Dorset and Salisbury SFRA. The map is prepared by Halcrow for the purposes of the Strategic Flood Risk Assessment (SFRA) for the Bournemouth, Christchurch, East Dorset, North Dorset and Salisbury SFRA. The map is prepared by Halcrow for the purposes of the Strategic Flood Risk Assessment (SFRA) for the Bournemouth, Christchurch, East Dorset, North Dorset and Salisbury SFRA.

Appendix 3 – Topographic Survey

[illegible]

Project:	Quincy's Farm
Location:	School Lane
Notes:	Three Lapsed Cows
Owner:	AR (New Forest) Ltd
Project File:	
Topographical Survey	
 Topographical Survey Quincy's Farm Hand-drawn sketch of a farm area, showing a rectangular field, a small building, and a line of trees.	1. 1/10/12 (1645) 2. 1/10/12 (1645) 3. 1/10/12 (1645) 4. 1/10/12 (1645) 5. 1/10/12 (1645) 6. 1/10/12 (1645) 7. 1/10/12 (1645) 8. 1/10/12 (1645) 9. 1/10/12 (1645) 10. 1/10/12 (1645) 11. 1/10/12 (1645) 12. 1/10/12 (1645) 13. 1/10/12 (1645) 14. 1/10/12 (1645) 15. 1/10/12 (1645) 16. 1/10/12 (1645) 17. 1/10/12 (1645) 18. 1/10/12 (1645) 19. 1/10/12 (1645) 20. 1/10/12 (1645) 21. 1/10/12 (1645) 22. 1/10/12 (1645) 23. 1/10/12 (1645) 24. 1/10/12 (1645) 25. 1/10/12 (1645) 26. 1/10/12 (1645) 27. 1/10/12 (1645) 28. 1/10/12 (1645) 29. 1/10/12 (1645) 30. 1/10/12 (1645) 31. 1/10/12 (1645) 32. 1/10/12 (1645) 33. 1/10/12 (1645) 34. 1/10/12 (1645) 35. 1/10/12 (1645) 36. 1/10/12 (1645) 37. 1/10/12 (1645) 38. 1/10/12 (1645) 39. 1/10/12 (1645) 40. 1/10/12 (1645) 41. 1/10/12 (1645) 42. 1/10/12 (1645) 43. 1/10/12 (1645) 44. 1/10/12 (1645) 45. 1/10/12 (1645) 46. 1/10/12 (1645) 47. 1/10/12 (1645) 48. 1/10/12 (1645) 49. 1/10/12 (1645) 50. 1/10/12 (1645) 51. 1/10/12 (1645) 52. 1/10/12 (1645) 53. 1/10/12 (1645) 54. 1/10/12 (1645) 55. 1/10/12 (1645) 56. 1/10/12 (1645) 57. 1/10/12 (1645) 58. 1/10/12 (1645) 59. 1/10/12 (1645) 60. 1/10/12 (1645) 61. 1/10/12 (1645) 62. 1/10/12 (1645) 63. 1/10/12 (1645) 64. 1/10/12 (1645) 65. 1/10/12 (1645) 66. 1/10/12 (1645) 67. 1/10/12 (1645) 68. 1/10/12 (1645) 69. 1/10/12 (1645) 70. 1/10/12 (1645) 71. 1/10/12 (1645) 72. 1/10/12 (1645) 73. 1/10/12 (1645) 74. 1/10/12 (1645) 75. 1/10/12 (1645) 76. 1/10/12 (1645) 77. 1/10/12 (1645) 78. 1/10/12 (1645) 79. 1/10/12 (1645) 80. 1/10/12 (1645) 81. 1/10/12 (1645) 82. 1/10/12 (1645) 83. 1/10/12 (1645) 84. 1/10/12 (1645) 85. 1/10/12 (1645) 86. 1/10/12 (1645) 87. 1/10/12 (1645) 88. 1/10/12 (1645) 89. 1/10/12 (1645) 90. 1/10/12 (1645) 91. 1/10/12 (1645) 92. 1/10/12 (1645) 93. 1/10/12 (1645) 94. 1/10/12 (1645) 95. 1/10/12 (1645) 96. 1/10/12 (1645) 97. 1/10/12 (1645) 98. 1/10/12 (1645) 99. 1/10/12 (1645) 100. 1/10/12 (1645)

Appendix 4 – Environment Agency Correspondence

Charlotte Whitham

From: Wessex Enquiries <wessexenquiries@environment-agency.gov.uk>
Sent: 10 November 2025 10:57
To: Charlotte Whitham
Subject: Request for information - Ref: EIR2025/35405
Attachments: EIR2025-35405 - Product 4 letter.pdf

Dear Charlotte Whitham,

I am writing in response to your request for information, received 14 October 2025 regarding 251014/TM05 SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (EA).

Our response is attached.

Yours sincerely,

Natasha Rich

WSX Area Customers and Engagement Team

Environment Agency

Please tell us how we did

To help improve your experience as a customer we are currently gathering feedback. If you would like to take part in a short customer satisfaction survey, please click the link below:

[**Environment Agency FOI Customer Satisfaction Survey**](#)

Charlotte Whitham
Shf.284.013 - Gundrys Farm
charlotte.whitham@enzygo.com

Our ref: EIR2025/35405
Date: 10 November 2025

Dear Charlotte Whitham,

Thank you for your enquiry which was received on 14 October 2025. We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

Abstract

Name	Product 4
Description	Detailed Flood Risk Assessment Map for Gundrys Farm Caravan & Camping, School Lane, Three Legged Cross, Wimborne, BH21 6RU NGR: SU0863905148
Licence	Open Government Licence
Information Warnings	<i>The mapping of features provided as a background in this product is © Ordnance Survey. It is provided to give context to this product. The Open Government Licence does not apply to this background mapping. You are granted a non-exclusive, royalty free, revocable licence solely to view the Licensed Data for non-commercial purposes for the period during which the Environment Agency makes it available. You are not permitted to copy, sub-license, distribute, sell or otherwise make available the Licensed Data to third parties in any form. Third party rights to enforce the terms of this licence shall be reserved to OS.</i>
Attribution	Contains Environment Agency information © Environment Agency and/or database rights. Contains Ordnance Survey data © Crown copyright 2025 Ordnance Survey AC0000807064.

Open Data and Historic Flood Events

The Environment Agency no longer provides PDF copies of the Historic Flood Map. Instead, datasets are freely available via the Government's Open Data portal: [Find open data - data.gov.uk](#)

Examples of datasets you may require:

- Flood Map for Planning
- Recorded Flood Outlines
- Historic Flood Map
- Surface Water for Spatial Planning extents
- Main River Consultation Area

You can access the Flood Map for Planning here: <https://flood-map-for-planning.service.gov.uk/>

Please note: we cannot guarantee that we hold an exhaustive list of all past flood events. All reasonable care has been taken to ensure that the historical flood event data is as accurate as possible. The Environment Agency will update its records if new evidence emerges.

Planning Guidance

We recommend you read the following items to inform your Flood Risk Assessment (FRA):

Summary	Link
Guidance on using Environment Agency information to inform a development proposal	Flood risk assessments – GOV.UK
How to use modelling data to support your FRA	Using modelling for FRAs – GOV.UK
Planning considerations for areas at risk of flooding	Flood risk and coastal change – GOV.UK
Template and advice to help increase the chances of your FRA includes the right information first time	Planning Portal – FRA Guidance
Information on getting planning advice from the Environment Agency, including paid services	EA Planning Advice – GOV.UK Email: wx.sp@environment-agency.gov.uk
Check with your Lead Local Flood Authority (LLFA) or Local Planning Authority (LPA) for additional policies or guidance for FRAs.	Find your local council – GOV.UK Local Plans & Strategic Flood Risk Assessments (SFRA)

Flood Levels

The site is situated outside of Flood Zone 2 and Flood Zone 3. Therefore, we do not have any relevant 1D/ 2D modelled water level or depth data to provide.

Please note: If your site is in Flood Zone 1 but the Flood Map for Planning (FMfP) or your Local Planning Authority's (LPA) Strategic Flood Risk Assessment (SFRA) shows it will be at increased risk of flooding from rivers or the sea during the development lifetime, you should make sure a Flood Risk Assessment (FRA) is done, and treat the site as if it were in Flood Zone 2 when deciding which advice you need to access.

Updates to National Modelling

The Environment Agency has carried out a National project to update our flood risk information for the whole of England. We have updated our flood risk information in 2025 as part of the new National Flood Risk Assessment (NaFRA2). This includes the data displayed on the Check Your Long-Term Flood Risk service and the data displayed in the Flood Map for Planning (Rivers and Sea).

The flood zone extent may have changed for your area of interest, but the flood levels provided have not.

You can find further information on the NaFRA2 project here: <https://www.gov.uk/guidance/updates-to-national-flood-and-coastal-erosion-risk-information>

Flood Defences

If there are any formal flood defences within 1km of the site boundary provided, a PDF containing flood defence information will be enclosed. This information has been taken from our Asset Information Management System database (AIMS). A data download can be accessed here: [AIMS Asset Bundle](#)

Please note that flood defences can increase water levels elsewhere e.g. through channels being restricted by defences, or because defences prevent flood water flowing back into the river channel.

Further Guidance

If you intend to use any climate change data supplied in this letter, you should consider its appropriateness in light of a range of potential allowances as described in the latest guidance: [Flood risk assessments: climate change allowances - GOV.UK](#) This information is subject to change,

please check the guidance regularly. Our Sustainable places team would be happy to discuss the issues around Climate Change and how information should be used.

In some locations, the predicted Still Water Tide Level data from the Coastal Flood Boundary Study 2018 is higher than the locally modelled water levels provided. When this is the case the higher water levels should be considered in your FRA. More information can be found here [Coastal flood boundary conditions for the UK: 2018 update - GOV.UK](#) and by downloading 'Coastal Design Sea Levels' from [Find open data - data.gov.uk](#)

Information on environmental permits for work in, under, over, or near a main river, culvert, flood defence, or in the floodplain is available here: [Flood risk activities: environmental permits - GOV.UK/](#). For any further advice, please contact bridgwater.frap@environment-agency.gov.uk.

In response to your query "What level of allowance for climate change would be required when considering mitigation measures and access/egress routes?" Access and egress are a matter for the LPA.

Surface water flooding is outside of our remit, I suggest you contact the LLFA. This is true in relation to drainage with the site and local area.

We do not hold the data for environmentally sensitive receptors and would suggest working with the LPA and a competent ecologist.

We hope you find this information helpful.

Yours sincerely

Natasha Rich
Customer & Engagement, Wessex
Rivers House, East Quay, Bridgwater, Somerset, TA6 4YS
Email: wessexenquiries@environment-agency.gov.uk

Enc: EIR2025/35405 Defences Map & Data (if applicable)

Appendix 5 – Dorset Council Correspondence

Charlotte Whitham

From: Jonathan Maidman <Jonathan.Maidman@dorsetcouncil.gov.uk>
Sent: 29 October 2025 14:42
To: Charlotte Whitham
Subject: Re: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

You don't often get email from jonathan.maidman@dorsetcouncil.gov.uk. [Learn why this is important](#)

Dear Charlotte

I write in response to your request for pre-application advice from the Lead Local Flood Authority (LLFA).

I will answer all your questions from your e-mails of 13th and 20th October in red below;

13th October

Could you provide us with flooding data? In relation to the Site we would require clarification on the following points. Please note we are consulting with both the Environment Agency and Lead Local Flood Authority [LLFA].

Can you confirm the Flood Zone within the Site boundary as described above?

You have correctly identified that the entire site (i.e. all the land within the red line) is within Flood Zone 1.

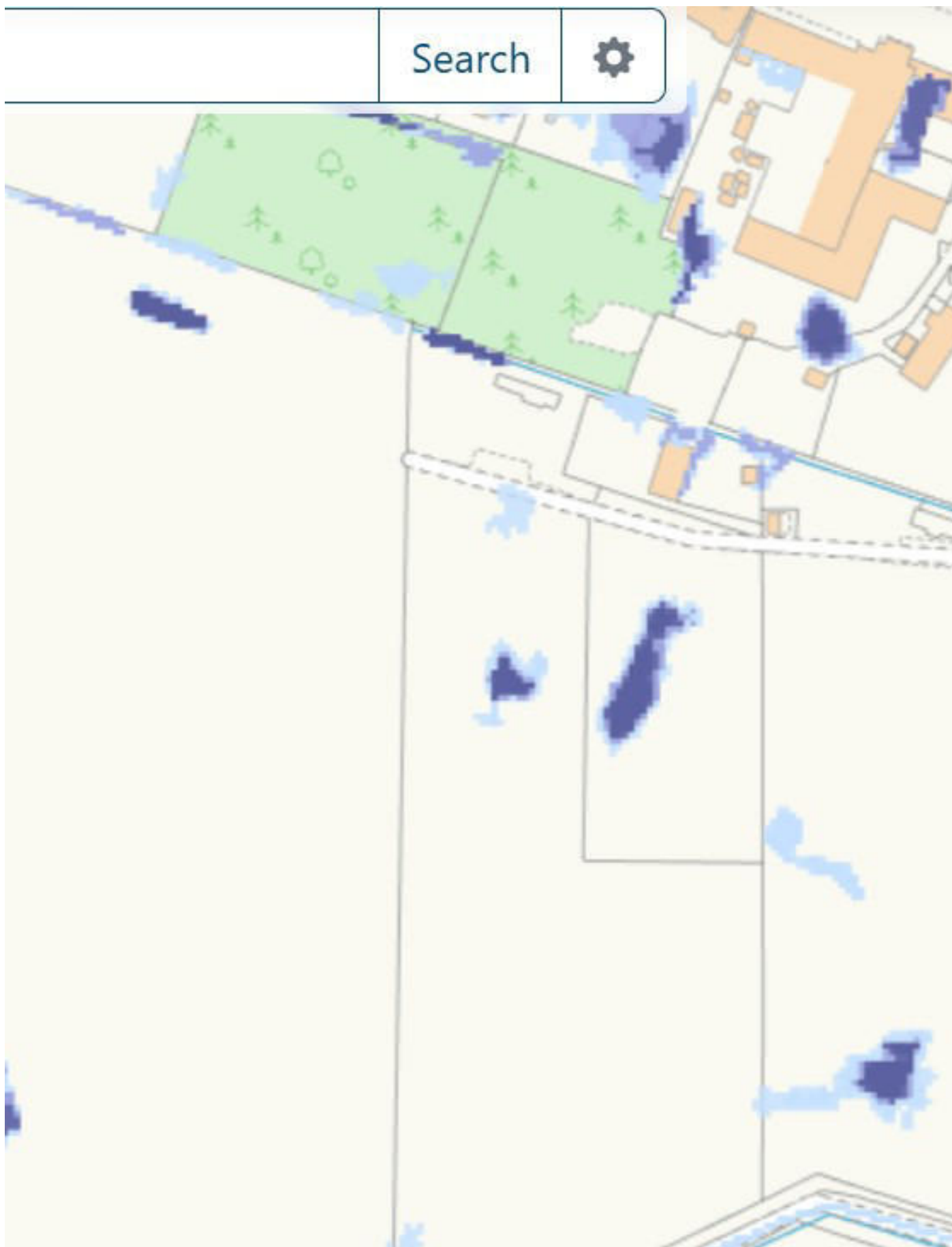
What level of allowance for climate change would be required when considering mitigation measures and access/egress routes?

45% should be used for development with a 100-year lifespan.

Do you agree with our above interpretation of surface water flooding?

Some areas of the site are identified as being susceptible to surface water flooding which I presume corresponds with lower points on the land. We would generally recommend any development to be outside of such areas, particularly those identified as being in the 1:30 and 1:100-year events.

You should also take account of climate change as per the extract below, however it is only marginally different from the maps you have included in your previous e-mail;



Do you have any records of historic flooding events on this Site, either from fluvial, surface water, groundwater, sewers or infrastructure failure sources? If you are aware of historical flooding at the Site, can you please provide us with details of these historical flood events where it is available,

including flood levels, estimated return periods, photographs, and other such data as may be relevant to our study?

I have not found any records relating to flooding on the site from any sources.

You advise that this enquiry relates to a retrospective application - The key issue you will need to address in a future application is to clearly demonstrate that a viable drainage strategy is/will be in place and whatever development has been undertaken has not resulted in increased flood risk, either on the site itself or elsewhere.

Do you have any information on drainage within the Site and in the local area, including any known drainage problems?

JBA data indicates that groundwater levels are between 0.025m and 0.5m below the ground surface. There is the possibility of groundwater emerging at the surface locally.

Soilscapes (<https://www.landis.org.uk/soilscapes/>) indicate that in this location it is '*naturally wet very acid sandy and loamy soils*' which drains to shallow groundwater.

The proposal is for a development of a greenfield Site. Please could you indicate the maximum allowable discharge rate?

This should be at the Qbar rate for discharge offsite however there is no maximum rate for solely onsite discharge e.g. infiltration.

What level of allowance for climate change would be required when considering surface water attenuation?

45% for development with a 100-year lifespan.

Please can you also indicate to us whether you are aware of any relevant environmentally sensitive receptors [such as aquatic wildlife in receiving watercourses, etc.] in the area around the Site that we should be aware of when preparing the surface water drainage strategy?

The LLFA do not have any such records or information. You may wish to seek input from an Ecologist.

20th October

This is a retrospective application and there is an informal drainage strategy in place at the minute. The Site is mapped to be on River Terrace Deposits, 3 – sand and gravel (superficial deposits) and Parkstone Sand Member – sand (bedrock). Given the permeable nature of the geology, the small surface area the buildings cover and the current strategy onsite, what would you expect to be submitted in terms of drainage at this Site?

With any formal planning application for major development, we will require information (which should be detailed on a plan) clarifying precisely how the site is drained and how consideration has been given to the National SuDs standards;

<https://www.gov.uk/government/publications/national-standards-for-sustainable-drainage-systems/national-standards-for-sustainable-drainage-systems-suds>

The submission should detail the total area of any new impervious areas on the site. If water is solely infiltrated to ground, what evidence is there that this works? For example, has any testing of ground conditions been undertaken? If it has, the results should be provided. It is our experience that ground conditions can differ significantly over very short distances and mapped information of ground conditions is not always accurate.

If surface water is attenuated and discharged, how and where is it attenuated and what is the discharge rate?

You should also detail the long-term management and maintenance of any drainage scheme to ensure it will continue to function during the lifetime of the development.

Once a finalised FRA including drainage strategy has been produced, I would be happy to review it and provide comment prior to you making a formal planning application. I will undertake this as part of the fee you have already paid.

I hope the above is clear, please do not hesitate to contact me should you require clarification on any point.

Regards

Jon Maidman
Flood Risk Engineer
Place Services
Dorset Council

01305 221837
dorsetcouncil.gov.uk



From: Charlotte Whitham <charlotte.whitham@enzygo.com>

Sent: 20 October 2025 11:39

To: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>

Subject: RE: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

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Hello,

Thank you for letting me know. Please see the attached form

Is it possible to provide the response in written form instead of over a Teams meeting?

Please let me know if there is anything else you need from me

Many Thanks,

Charlotte Whitham BSc (Hons), MCIWEM

Senior Hydrology Consultant

Phone: 0114 321 5151

Email: charlotte.whitham@enzygo.com

Web: enzygo.com

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Offices in Bristol, Cardiff, Cambridge, Sheffield & Manchester**

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From: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Sent: 20 October 2025 11:16
To: Charlotte Whitham <charlotte.whitham@enzygo.com>
Cc: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Subject: Re: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

Hi Charlotte,

Yes, we can easily fit in with that timescale.

Please fill in the attached form and send a teams invite with your preferred date & time.

Best regards
LLFA

Pre application advice costs (excludes VAT at 20%)		
	Teams meeting & written advice	On-site meeting & written advice
Major development	£310	£550
For all future planning applications, the applicant should consider obtaining specialist advice from the LLFA. The above fees are for all development types. Please contact us if you require a specialised quote. llfaplanning@dorsetcouncil.gov.uk		
Surface Water Management Schemes – Specific Developer Information Requirements		
Surface water planning - Dorset Council – General Information		

From: Charlotte Whitham <charlotte.whitham@enzygo.com>
Sent: 20 October 2025 09:48
To: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Subject: RE: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

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Hello,

Thank you for letting me know. We are on quite a tight deadline for this project. Therefore, if we go ahead, do you think it would be possible to get advice back before the 7th November? Apologies for the rush with this

If it is possible to get advice back in time, we would like to go ahead with the advice. In addition to the below questions, we would also like to ask:

This is a retrospective application and there is an informal drainage strategy in place at the minute. The Site is mapped to be on River Terrace Deposits, 3 – sand and gravel (superficial deposits) and Parkstone Sand Member – sand (bedrock). Given the permeable nature of the geology, the small surface area the buildings cover and the current strategy onsite, what would you expect to be submitted in terms of drainage at this Site?

Many Thanks,

Charlotte Whitham BSc (Hons), MCIWEM

Senior Hydrology Consultant

Phone: 0114 321 5151

Email: charlotte.whitham@enzygo.com

Web: enzygo.com

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**Enzygo Ltd, Enzygo GeoEnvironmental Ltd, Brown2Green Associates Ltd,
Offices in Bristol, Cardiff, Cambridge, Sheffield & Manchester**

Registered Office: Gresham House, 5-7 Pauls Street, Leeds, England, LS1 2JG
Registered in England & Wales registered number: 06525159 VAT number: 283 2596 77



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From: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Sent: 15 October 2025 09:10
To: Charlotte Whitham <charlotte.whitham@enzygo.com>
Cc: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Subject: Re: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

You don't often get email from llfaplanning@dorsetcouncil.gov.uk. [Learn why this is important](#)

Hi Charlotte,

Thank you for your enquiry.

We have a pre-application advice service which is available for £310 + VAT. That includes high level review of documents, a Teams meeting and follow up written advice.

The LLFA encourage all applicants to take up this service.

We look forward to hearing from you regarding the pre-application service.

Best regards

LLFA

Pre application advice costs (excludes VAT at 20%)		
	Teams meeting & written advice	On-site meeting & written advice
Major development	£310	£550
For all future planning applications, the applicant should consider obtaining specialist advice from the LLFA. The above fees are for all development types. Please contact us if you require a specialised quote. llfaplanning@dorsetcouncil.gov.uk		

From: Charlotte Whitham <charlotte.whitham@enzygo.com>
Sent: 13 October 2025 17:13
To: LLFA Planning <llfaplanning@dorsetcouncil.gov.uk>
Subject: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne (LLFA)

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Our Reference: SHF.284.013 - Gundrys Farm Caravan & Camping, Wimborne

Location: Gundrys Farm Caravan & Camping, School Lane, Three Legged Cross, Wimborne, BH21 6RU [NGR: 408639, 105148]

To whom it may concern,

Enzygo have been commissioned to undertake a Flood Risk Assessment [FRA] for a planning application for a touring holiday caravan development, located on land at Gundrys Farm Caravan & Camping, Wimborne.

Ordnance Survey mapping shows there is a network of watercourses close to the Site, two of which are close to the northern and southern Site boundaries.

Environment Agency online mapping flood map [Figure 1] shows the Site is located in Flood Zone 1; which is land outside the 1 in 1000-year [0.1% Annual Exceedance Probability [AEP]] extent of fluvial [river] flooding, at 'low' risk.

Figure 1: Flood Map for Planning



Environment Agency online surface water mapping [Figure 2] shows there are small areas of surface water ponding across the Site, which are associated with the 1 in 30 year, 100 year and 1000 year events.

Figure 2: Surface Water Mapping



Could you provide us with flooding data? In relation to the Site we would require clarification on the following points. Please note we are consulting with both the Environment Agency and Lead Local Flood Authority [LLFA].

- Can you confirm the Flood Zone within the Site boundary as described above?
- What level of allowance for climate change would be required when considering mitigation measures and access/egress routes?
- Do you agree with our above interpretation of surface water flooding?
- Do you have any records of historic flooding events on this Site, either from fluvial, surface water, groundwater, sewers or infrastructure failure sources? If you are aware of historical flooding at the Site, can you please provide us with details of these historical flood events where it is available, including flood levels, estimated return periods, photographs, and other such data as may be relevant to our study?
- Do you have any information on drainage within the Site and in the local area, including any known drainage problems?
- The proposal is for a development of a greenfield Site. Please could you indicate the maximum allowable discharge rate?

- What level of allowance for climate change would be required when considering surface water attenuation?
- Please can you also indicate to us whether you are aware of any relevant environmentally sensitive receptors [such as aquatic wildlife in receiving watercourses, etc.] in the area around the Site that we should be aware of when preparing the surface water drainage strategy?

We trust that the details presented herein are self-explanatory and clear. If, for any reason you should have any queries or comments, please do not hesitate to contact me.

Many Thanks,

Charlotte Whitham BSc (Hons), MCIWEM

Senior Hydrology Consultant

Phone: 0114 321 5151

Email: charlotte.whitham@enzygo.com

Web: enzygo.com

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Registered Office: Gresham House, 5-7 Pauls Street, Leeds, England, LS1 2JG
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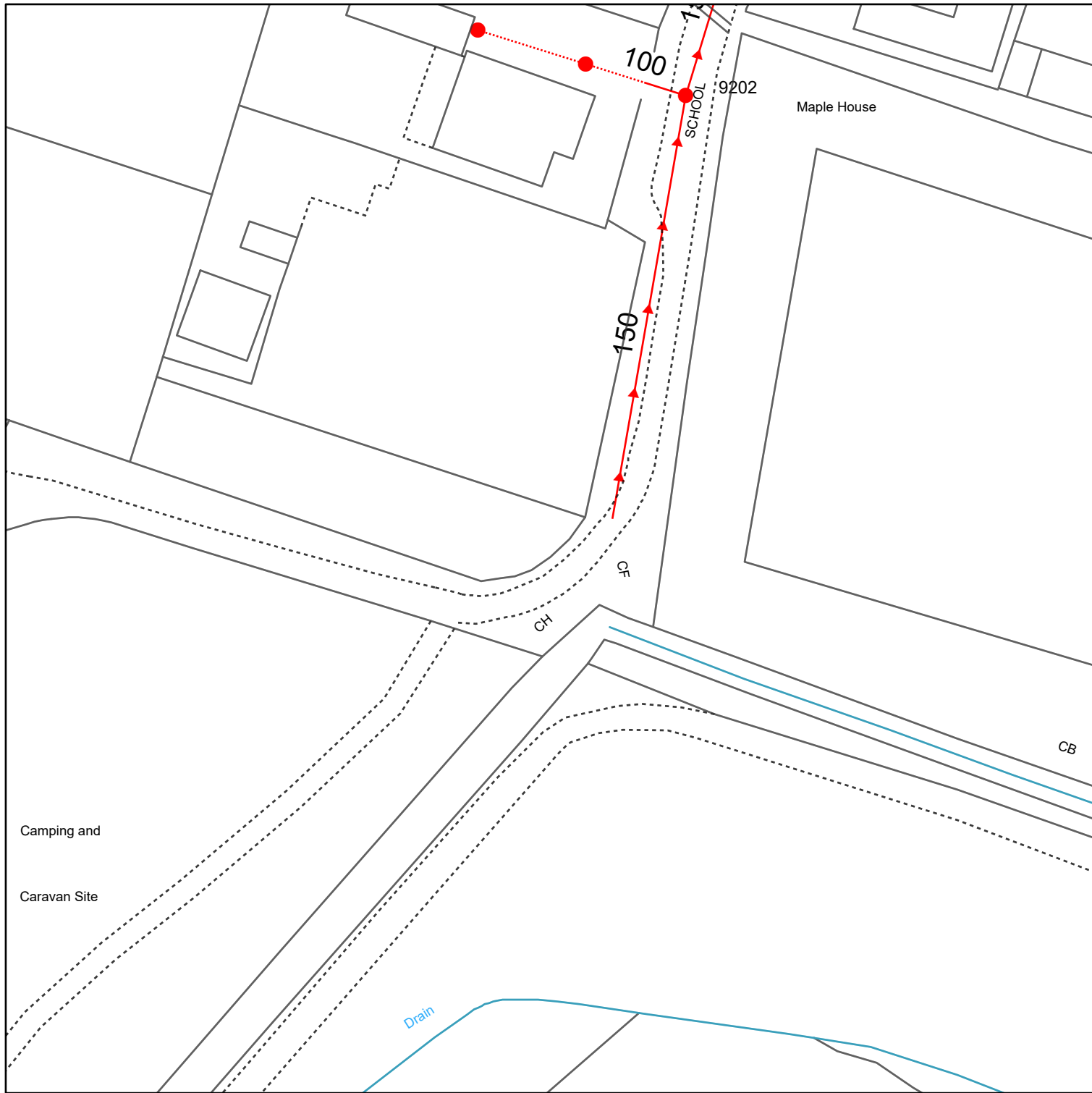
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Appendix 6 – Wessex Water Asset Plans and Pre-Development Enquiry

Wessex Water Network Map



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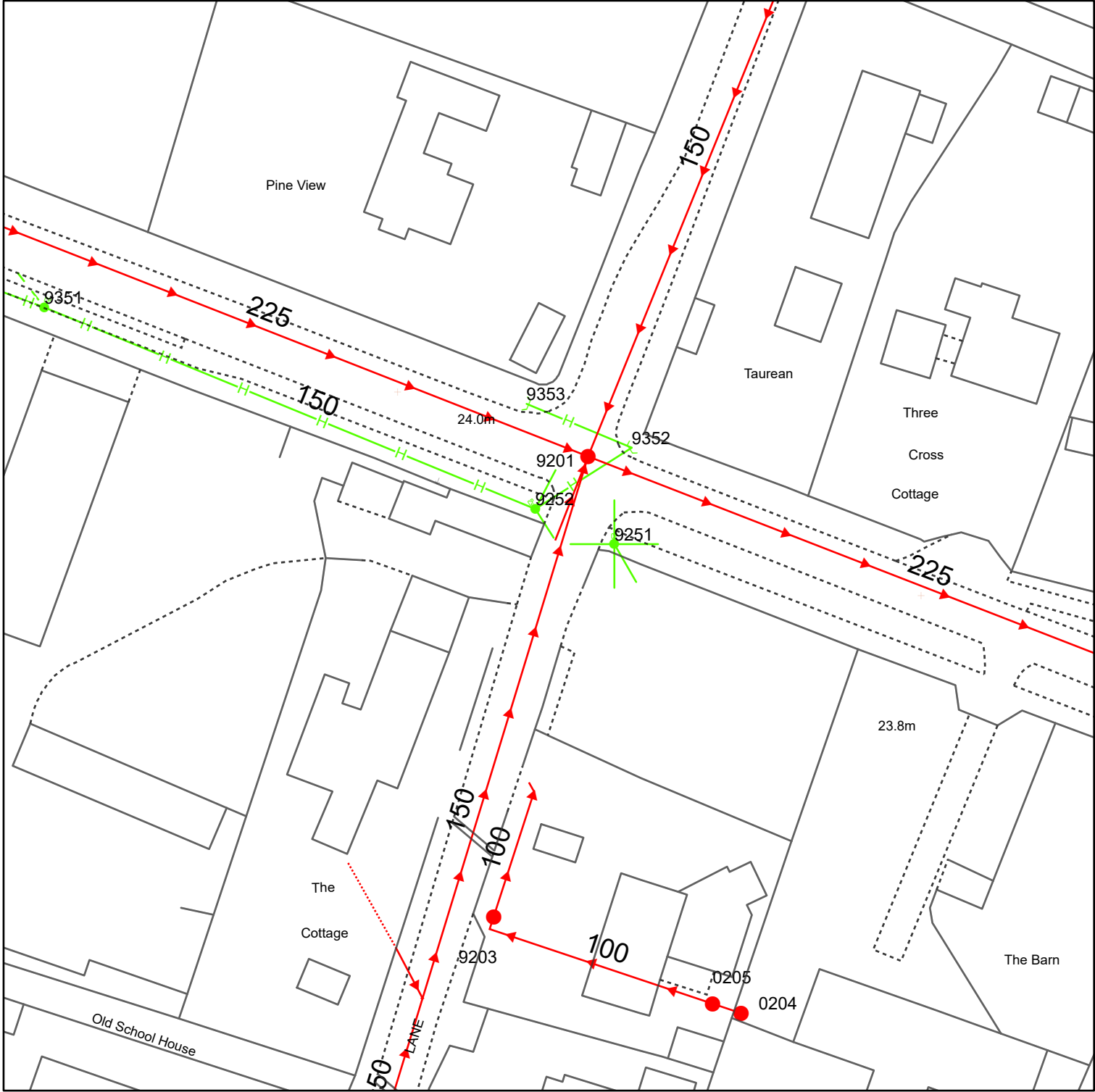
WATER MAINS		SEWERS		STRATEGIC		PUBLIC		PRIVATE		SECTION 104		OTHER WESSEX PIPES		NON-WESSEX / UNKNOWN	
	Distribution		Foul		Surface								Rising Mains		Private Rising Mains
	Washout		Combined										Standby Rising Mains		Culverted Watercourse
	Raw Water		Abandoned										EDM		Highway Drain
	Abandoned												Overflow		Use Unknown
	Private												Syphon		Status Unknown
FITTINGS		STRUCTURES													
	Hydrant		Manhole - Foul		Pumping Station - Surface										
	Other		Manhole - Surface		Pumping Stn - Foul/Combined										
			Manhole - Combined		Gully										
			Inlet		Vent Column										
			Outfall		Rodding Eye										
			Lamphole		Catchpit										
			Bifurcation - Foul		Flushing Chamber										
			Bifurcation - Surface		Soakaway										
			Bifurcation - Combined		Non Return Valve										
			Combined Sewage Overflow		Air Valve										
					Hatch Box										
					Washout										
												OTHER STRUCTURES			
													Attenuation Tank		Tunnel
													Storage Tank		Interceptor

Information in this map is provided for identification purposes only. No warranty as to accuracy is given or implied. The precise route of pipe work may not exactly match that shown. Wessex Water does not accept liability for inaccuracies. Sewers and lateral drains adopted by Wessex Water under the Water Industry (Schemes for Adoption of Private Sewers) Regulations 2011 are not to be plotted over time and may not yet be shown. In carrying out any works, you accept liability for the cost of any repairs to Wessex Water apparatus damaged as a result of your works. You are advised to commence excavations using hand tools only. Mechanical digging equipment should not be used until pipe work has been precisely located. If you are considering any form of building works and pipe work is shown within the boundary of your property or a property to be purchased (or very close by) a surveyor should plot its exact position prior to commencing works or purchase. If you are proposing to build over or near Wessex Water's apparatus you should contact the Developer Services Team, tel: 01225 526633 or e-mail: developer.enquiries@wessexwater.co.uk to discuss your proposals. Details of assets within Wessex Water's land ownership are unavailable through this service.

Date: 20/10/2025
Centre: 408953E, 105165N
Scale: 1:625
(when printed at A4 size)



Wessex Water Network Map



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WATER MAINS	SEWERS	STRATEGIC PUBLIC	PRIVATE	SECTION 104	OTHER WESSEX PIPES	NON-WESSEX / UNKNOWN
- Distribution - Washout - Raw Water - Abandoned - Private	- Foul - Surface - Combined - Abandoned	- Red - Blue - Green - Orange	- Red - Blue - Green - Orange	- Red - Blue - Green - Orange	- Rising Mains - Standby Rising Mains - EDM - Effluent Disposal - Overflow - Syphon	- Private Rising Mains - Culverted Watercourse - Highway Drain - Use Unknown - Status Unknown
FITTINGS - Hydrant - Other	STRUCTURES - Manhole - Foul - Manhole - Surface - Manhole - Combined - Inlet - Outfall - Lamphole - Bifurcation - Foul - Bifurcation - Surface - Bifurcation - Combined - Combined Sewage Overflow	- Pumping Station - Surface - Pumping Stn - Foul/Combined - Gully - Vent Column - Rodding Eye - Catchpit - Flushing Chamber - Soakaway - Non Return Valve - Air Valve - Hatch Box - Washout				
Information in this map is provided for identification purposes only. No warranty as to accuracy is given or implied. The precise route of pipe work may not exactly match that shown. Wessex Water does not accept liability for inaccuracies. Sewers and lateral drains adopted by Wessex Water under the Water Industry (Schemes for Adoption of Private Sewers) Regulations 2011 are to be plotted over time and may not yet be shown. In carrying out any works, you accept liability for the cost of any repairs to Wessex Water apparatus damaged as a result of your works. You are advised to commence excavations using hand tools only. Mechanical digging equipment should not be used until pipe work has been precisely located. If you are considering any form of building works and pipe work is shown within the boundary of your property or a property to be purchased (or very close by) a surveyor should plot its exact position prior to commencing works or purchase. If you are proposing to build over or near Wessex Water's apparatus you should contact the Developer Services Team, tel: 01225 526333 or e-mail: developer.enquiries@wessexwater.co.uk to discuss your proposals. Details of assets within Wessex Water's land ownership are unavailable through this service.						

OTHER STRUCTURES

- Chamber
- Tunnel
- Interceptor

Wessex Water
YTL GROUP

Date: 20/10/2025
Centre: 408990E, 105289N
Scale: 1:625
(when printed at A4 size)

Response to: charlotte.whitham@enzygo.com (Developer Response)			
Planning Ref:	N/A	Email:	Planning.liaison@wessexwater.co.uk
Proposal:	375 touring holiday caravans. Foul flows based on 3 people per unit, using the Flows and Loads value of 100 litres/person/day	Our Ref:	SU00NE/ 308
Location:	Gundrys Farm Caravan & Camping, School Lane, Three Legged Cross, Wimborne, Dorset	Date:	27 October 2025

Existing Services

There are no known Wessex Water assets within the proposed site boundary.

A map showing all known Wessex Water Assets within the area of the proposed site is attached at the bottom of this response. Additional maps can be obtained from our website [Mapping enquiries \(wessexwater.co.uk\)](https://www.wessexwater.co.uk/mapping-enquiries)

Foul Drainage

Wessex Water will accommodate domestic type foul flows in the public foul sewer with connections made on a size for size basis, Developers fund the cost of connecting to the nearest 'size for size' sewer. The minimum diameter receiving sewer to meet size for size principles for a development of this magnitude is 225mm.

The nearest public foul sewer of suitable dimensions is the 225mm diameter public foul sewer located on Ringwood Road to the north of the site. The 150mm diameter on School Lane does not meet size for size requirements and therefore a connection to this sewer would not be permitted.

Capacity in the local network is limited and prone to surcharge in a 1 in 1yr event. Therefore, it will be necessary to undertake a full capacity appraisal to identify, what, if any network reinforcement will be required to accommodate the proposed foul flows from this development. It is important to make you aware, that as the proposal is for a commercial development, you will be liable for all costs of any network reinforcement deemed necessary to accommodate the proposed foul flows.

You should be aware, that Wessex Water don't have capacity appraisal and improvement schemes readily prepared for sites that do not have current planning permission. It would be beneficial if you could keep us updated with the progress of any planning application you submit in relation to this development.

The point of connection to the public network is by application and agreement with Wessex Water.

Please Note: Wessex Water will not accept any surface water runoff, land drainage or ground water discharge to the public sewer network, either directly or indirectly.

Surface Water Drainage (rainwater falling onto, and running off, impermeable surfaces)

Surface water must be disposed of via the SuDS Hierarchy which is subject to Building Regulations and NPPF.

No surface water runoff, land drainage or ground water will be accepted into a public sewer that carries sewerage, either directly or indirectly.

The National Planning Policy Framework (NPPF) mandates that Sustainable Drainage Systems (SuDS) must be incorporated into new developments to manage surface water runoff, mitigate flood risks, and provide additional benefits, including enhanced water quality and green spaces.

In line with the drainage hierarchy outlined in Approved Document H of the Building Regulations, Planning Practice Guidance, and the necessity to address water scarcity, all surface water runoff should aim to be discharged as high up the surface water discharge hierarchy as feasible.

Defra have announced (June 2025) new national standards for SuDS. The national surface water hierarchy has been updated and runoff from the development shall be discharged to the following final destinations, to the maximum extent practicable, in accordance with the below hierarchy:

- Collected for non-potable use (water re-use)
- Infiltrated to ground
- Discharged to an above ground surface water body
- Discharged to a surface water sewer, or another piped surface water drainage system

Note: To utilise a lesser priority final-destination, appropriate evidence shall be provided that demonstrates all higher priority final destinations have been utilised to the maximum extent practicable. Higher cost alone shall not be a reason to utilise lower priority final destinations.

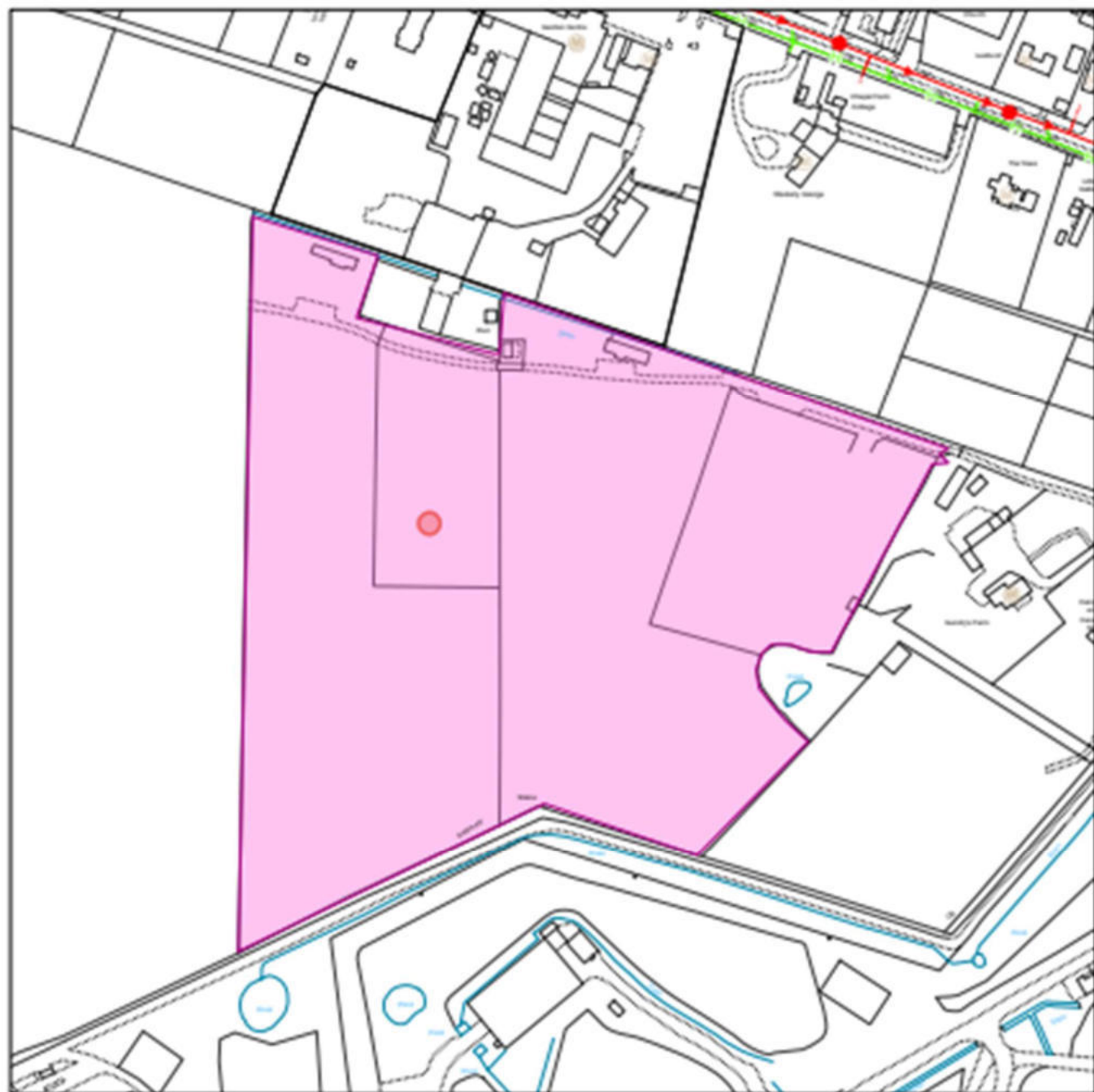
Wessex Water statement on surface water discharge can be accessed via the following link: [wwds-dev063p-rainwater-drainage-policy.pdf](#)

Water Infrastructure

Wessex Water is not the incumbent supplier for this area.

NOTE: These comments are based upon known circumstances prevailing at the time of writing. A review of the contents of this document is required where 18 months or more have elapsed since issue or in the light of significant changes likely to impact upon the response (e.g., changes in development numbers or phasing). Please email review requests to planning.liaison@wessexwater.co.uk

SU00NE/ 308 Asset Map



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Appendix 7 – BGS Borehole Records



CLIENT		PROJECT NO		BORING NO	
WIMBORNE DISTRICT COUNCIL		250/109		Sheet 1 of 1	
PROJECT, SITE INVESTIGATION, THREE LOGGED CREEPS				DATE, AUGUST 1976	
CASING		Diameter	From M	To M	NOTES. 1. For key see PLATE, A0-1
		Name			
Depth Scale	DESCRIPTION OF STRATA	Legend	Samples Type No	Depth Level	CLASSIFICATION & REMARKS
0.0	GROUND LEVEL (10.5m O.D.)				
0.5	Formation of 10.5m			0.40	
1.0	Wedge brown & yellow brown fine & medium silty with much rounded fine & medium flint gravel.		10	1.00	
1.5	becoming very dense			3.20	
2.0	colour change to reddish grey & orange brown, becoming silty with some coarse gravel.		20	2.00	
2.5			31	2.10	
3.0	becoming less silty with a colour change to brown.		40	2.90	
3.5				3.00	
4.0					
4.5					
5.0					

Heavy water seepage 2 m

END OF BORING 3.0m

PLATE A1-A

TEST DATA.													
In situ & Laboratory Tests.													
Comments:													
Penetration Tests, Blows/Feet	NATURAL		γ_d m/c	Unconfined Compression C_u	TRIAXIAL Undrained		TEST Drained		Consolidation		μH	S.D.	
	M/c %	δb kg/cm ²			C_1 kg/cm ²	ϕ	C_2	ϕ	C_v	M_v			
3.4												7.5	< 0.1%
6.3	16.5	17.5			31.5	8.5						6.5	< 0.1%
21.4													

Comments on Tests.

Operator, G.M.S.

PLATE A1-A

CLIENT.		PROJECT NO.		BORING NO. 2		
WINIBURGA DISTRICT COUNCIL.		230/199.		Sheet 1 of 1		
PROJECT. SITE INVESTIGATION, THREE LORRAIN GARDENS				Date. August 1976		
CASING	Diameter.	From M	To M	NOTES, 1. For key see PLATE, AO-1.		
	Number					
Depth Scale	DESCRIPTION OF STRATA	Legend	Samples Type No	Depth	Level	CLASSIFICATION & REMARKS
0	GROUND LEVEL NOT TAKEN O.D.					
0.5	Gravel & Turf.					
1.0	Dark yellow & orange brown fine & medium sands, with much rounded & sub-angular fine & medium gravel.		10	1.00		
1.5						
2.0	becoming mottled gray & orange brown in colour, with some scattered silty lenses		20	2.00		
2.5						
3.0	becoming medium & coarse pink GRAVELS, & fine & medium orange brown SAND		30	3.00		END OF BORING 3.0M No water encountered
3.5						
4.0						
4.5						
5.0						

TEST DATA. BORING. 2
5000 826/128923 0589
In-situ & Laboratory Tests.
Comments:

Penetration Tests.	NATURAL		σ_d	$m/\%$	Unconfined Compression C_u	TRIAXIAL Undrained.		165T, Drained.		Consolidation		pH	SiO_2
Blows/Foot	M/C_u σ_1/σ_3	σ_3				C_1	σ_1	C_1	σ_1	C_v	M_v		
4-2												6-9	< 0.1%
16-1													
21-6												6-9	< 0.1%

Comments on Tests.

Operator, S.M.C.
Date: 1-22-1964

PLATE A1-B

PLATE A1-B

SOOONE 13 10710669
 BORING 3

TEST DATA.

In-situ & Laboratory Tests.

Comments:

Penetration Test.	NATURAL.		δ_d in/c	Unconfined Compression Cu.	TRIAXIAL TEST				Consolidation			
	Blows/Foot. M/c. %	γ_b lb/in ³			Undrained.		Drained.					
					C.	ϕ	C.	ϕ	Cu.	M _v .	pH.	SO ₂ .
					lb/in ²							
11-4												
15-8											7.2	< 0.1%
16-6	2.49				234	11°					6.9	< 0.1%

Comments on Tests.

Operator: G.M.G.

Contact BGS: ngdc@bgs.ac.uk

CLIENT. WIMBORNE DISTRICT COUNCIL			PROJECT NO. 250189.		BORING NO. Sheet 1 of 1		TEST DATA. In situ & Laboratory Tests.						BORING	
PROJECT, SITE INVESTIGATION, THREE LEGGED CROSS					Date: August 1974		Comments:							
CASING.		Diameter.	From M.	To M.	NOTES: 1. For key see PLATE AG-1.									
		NONE												

Depth Scale	DESCRIPTION OF STRATA	Legend	Samples Type No	Depth	Level	Thickness	CLASSIFICATION & REMARKS	Penetration Tests. Blows/foot	NATURAL		γ_d m/c	Unconfined Compression Cu	TRIAXIAL Un drained.		TEST. Drained.		Consolidation		pH	R.O. ₂ .
									m/c	% h			c.	p.	e.	p.	C _v	M _v		
0	GROUND LEVEL TAKEN O.D.																			
0.5	Torsion & Turn.	[Pattern]				0.30														
1.0	Dense light brown fine & medium SAND, with much medium & coarse rounded flint gravel	[Pattern]	15	1.00		1.40													6.0	< 0.1%
1.5		[Pattern]				1.70														
2.0	Dense orange brown medium SAND & medium & coarse rounded & sub-angular GRAVEL.	[Pattern]	20	2.00																
2.5		[Pattern]				2.30														
3.0		[Pattern]	30	3.00																
3.5		[Pattern]																		
4.0		[Pattern]	40	4.00			END OF BORING 4'-0"												6.0	< 0.1%
4.5							No water encountered.													
5.0																				
5.5																				
6.0																				
6.5																				
7.0																				

Comments on Tests.

TEST DATA.												
In-situ & Laboratory Tests.												
Penetration Tests.	NATURAL.		γ_d pcf	Unconfined Compression Cu	TRIAXIAL Undrained.		TEST. Drained.		Consolidation			
	M_v lb/in²	γ_b pcf			C_1 lb/in²	ϕ	C_2	ϕ	C_u	M_u	pH	SO_2
9.6												
6.0												
17.2	2012				2025	5°					8.5	< 0.1%
15.9											6.0	< 0.1%



Appendix 8 – Soakaway Testing Results

Site: Gundry's Farm Caravan and Camping Site
Project Reference: GCL251288_GIR
Client: AR (New Forest) Ltd
Date: 29/10/2025

To whom it may concern,

As per your instruction, an engineer from Ground Consultants Limited attended site on Tuesday 28th October 2025 to conduct three (3 No.) Soakaway Tests in accordance with BRE Digest 365 "Soakaway Design", 1991. The results are appended to this letter.

The locations of all Trial pits and test locations are contained as Appendix A.

Trial Pitting

Five (5 No.) Trial Pits (numbered TP01 to TP05) were excavated to depths of between 1.00mBGL and 2.30mBGL using a JCB 3CX on the 28th October 2025. Trial pit records are contained within Appendix B. Groundwater observations and trench stability notes are included on the Trial Pit Records.

Soakaway Testing

Soakaway testing was attempted in exploratory holes TP03, TP04 and TP05 in general accordance with the method given in BRE 365 however, the tests did not conform to the dimensional requirements specified in the guidance. Soakaway testing was not completed in TP01 and TP02 due to the presence of groundwater.

The results are contained as Appendix C.

We hope you find the above in order,

Yours faithfully,



Dan Jobson
Managing Director
Ground Consultants Limited

Appendix A	-	Exploratory Hole Location Plan
Appendix B	-	Trial Pit Logs
Appendix C	-	Soakaway Test Results

Tel: 01209 822922 | 07708 485373

Head Office: Unit 12, Hawksfield Cornwall, Atlantic Highway (A39), Wadebridge, Cornwall, PL27 7LR

www.groundconsultant.co.uk | enquiries@groundconsultants.co.uk

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Legend

- Site Boundary
- Soakaway Test
- Trial Pit

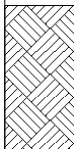
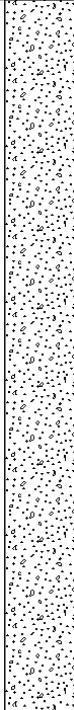
id	Easting (x)	Northing (y)	Elevation (mOD)
TP01	408572.526	105245.417	25.024
TP02	408521.403	105277.459	25.038
TP03	408665.885	105234.817	24.858
TP04	408570.949	105238.113	24.968
TP05	408520.089	105271.688	24.999

Client:	AR (New Forest) Ltd
Project:	Gundry's Farm Caravan and Camping Site
Project No:	GCL251288_GIR
Drawing Title:	Exploratory Hole Location Plan
Figure:	3.1
Date:	29/10/2025

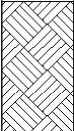
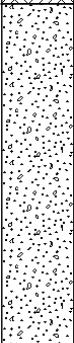


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GCL GROUND CONSULTANTS LTD ENVIRONMENTAL & GEO-TECHNICAL SPECIALISTS						Site Gundry's Farm Caravan and Camping Site			Trial Pit Number TP01	
Machine : JCB 3CX Method : Trial Pit		Dimensions 0.45m x 1.60m		Ground Level (mOD) 25.02		Client AR (New Forest) Ltd		Job Number 251288		
		Location 408572.526 E 105245.417 N		Dates 28/10/2025		Engineer		Sheet 1/1		
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water		
						TOPSOIL: Grass over dark brown silty slightly organic SAND with frequent rootlets.				
				24.62	0.40	Orange and light grey SAND and GRAVEL. Gravel is subangular to well rounded, medium and coarse flint and chert.				
					(1.90)	From 1.60m: Damp.		▼1		
			Rapid(1) at 2.30m, rose to 1.81m in 20 mins.	22.72	2.30	Terminated at 2.30m		▼1		
						Remarks Groundwater struck at 2.30mBGL rising rapidly to 1.81mBGL after 20 minutes. Soakaway test not completed due to presence of groundwater. Moderate spalling noted during excavation. Trial pit backfilled with arisings.				
						Scale (approx) 1:20	Logged By GC	Figure No. 251288.TP01		

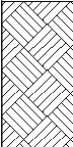
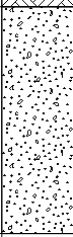
Client AR (New Forest) Ltd	Job Number 251288
Engineer	Sheet 1/1

Description	Legend	Water
TOPSOIL: Grass over dark brown gravelly silty slightly organic SAND with frequent rootlets. Gravel is subangular to well rounded, fine to coarse flint and chert.		
Orange, grey and dark brown SAND and GRAVEL. Gravel is subangular to well rounded, fine to coarse flint and chert.		▼1 ▽1
Terminated at 1.25m		



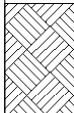
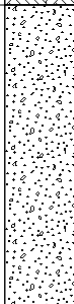
Remarks		
Groundwater struck at 1.25mBGL rising moderately to 1.12mBGL after 15 minutes. Soakaway test not completed due to presence of groundwater. Trial pit backfilled with arisings.		
Scale (approx)	Logged By	Figure No.
1:20	GC	251288.TP02

Site Gundry's Farm Caravan and Camping Site	Trial Pit Number TP03
Machine : JCB 3CX Method : Trial Pit	Dimensions 0.45m x 1.50m
Ground Level (mOD) 24.86	Client AR (New Forest) Ltd
Location 408665.885 E 105234.817 N	Dates 28/10/2025
Engineer	Job Number 251288
	Sheet 1/1

Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						TOPSOIL: Grass over dark brown gravelly silty slightly organic SAND with frequent rootlets. Gravel is subangular to well rounded, fine to coarse flint and chert.		
				24.46	0.40	Orange, brown and grey SAND and GRAVEL. Gravel is subangular to well rounded, fine and medium flint and chert.		
				23.86	1.00	Complete at 1.00m		



Remarks Groundwater not encountered. Soakaway test completed in trial pit. Trial pit backfilled with arisings.		
Scale (approx) 1:20	Logged By GC	Figure No. 251288.TP03

GCL GROUND CONSULTANTS LTD ENVIRONMENTAL & GEO-TECHNICAL SPECIALISTS						Site Gundry's Farm Caravan and Camping Site		Trial Pit Number TP04	
Machine : JCB 3CX Method : Trial Pit		Dimensions 0.45m x 1.60m		Ground Level (mOD) 24.97		Client AR (New Forest) Ltd		Job Number 251288	
		Location 408570.949 E 105238.113 N		Dates 28/10/2025		Engineer		Sheet 1/1	
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description		Legend	Water
				24.67		TOPSOIL: Grass over dark brown silty slightly organic SAND with frequent rootlets.			
					(0.30)				
					0.30	Orange and light grey SAND and GRAVEL. Gravel is subangular to well rounded, medium and coarse flint and chert.			
					(0.80)				
				23.87	1.10	Complete at 1.10m			



Remarks

Groundwater not encountered.
Soakaway test completed in trial pit.
Trial pit backfilled with arisings.

Scale (approx)

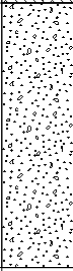
1:20

Logged By

GC

Figure No.

251288.TP04

 GCL GROUND CONSULTANTS LTD ENVIRONMENTAL & GEOTECHNICAL SPECIALISTS						Site Gundry's Farm Caravan and Camping Site		Trial Pit Number TP05
Machine : JCB 3CX Method : Trial Pit		Dimensions 0.45m x 1.40m		Ground Level (mOD) 25.00		Client AR (New Forest) Ltd		Job Number 251288
		Location 408520.089 E 105271.688 N		Dates 28/10/2025		Engineer		Sheet 1/1
Depth (m)	Sample / Tests	Water Depth (m)	Field Records	Level (mOD)	Depth (m) (Thickness)	Description	Legend	Water
						TOPSOIL: Grass over dark brown gravelly silty slightly organic SAND with frequent rootlets. Gravel is subangular to well rounded, fine to coarse flint and chert.		
				24.70	0.30	Orange, brown and grey SAND and GRAVEL. Gravel is subangular to well rounded, fine and medium flint and chert.		
				24.00	1.00	Complete at 1.00m		
						Remarks Groundwater not encountered. Soakaway test completed in trial pit. Minor spalling noted during excavation. Trial pit backfilled with arisings.		
						Scale (approx) 1:20	Logged By GC	Figure No. 251288.TP05

Site : Gundry's Farm Caravan and Camping Site

Job Number
251288

Client : AR (New Forest) Ltd

Sheet
1 / 3

Engineer :

Location	Date	Level	Location
TP03	28/10/2025	24.86 mOD	E: 408666 N: 105235

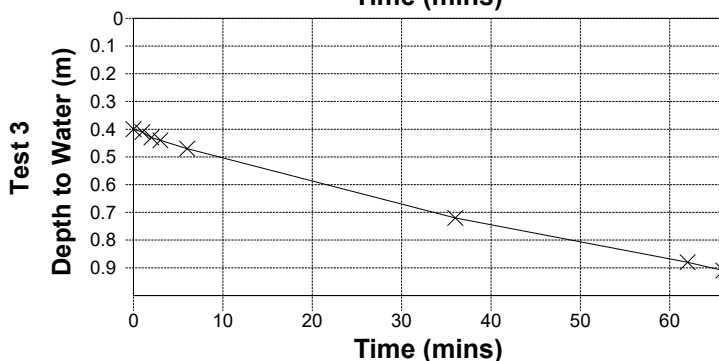
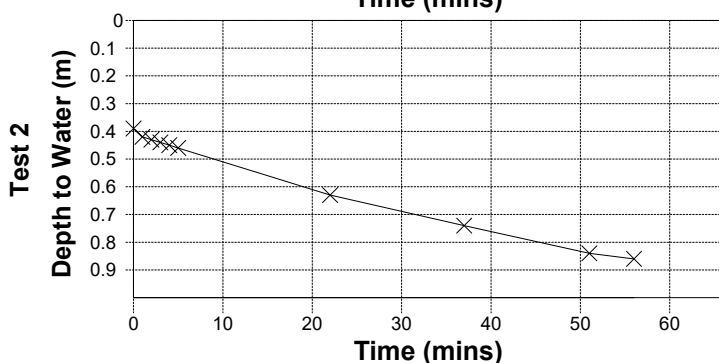
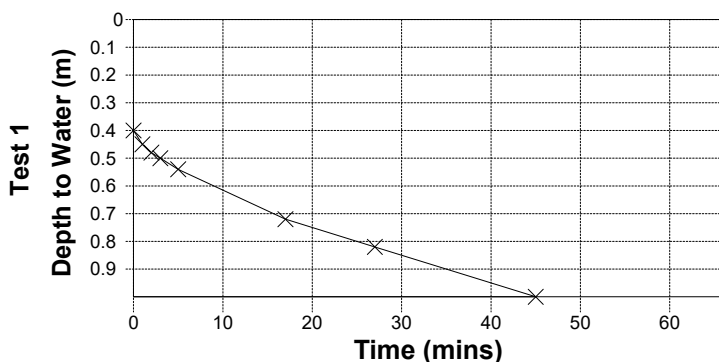
Pit Width (m)	0.45
Pit Depth (m)	1.00
Pit Length (m)	1.50

Soil type at test level	Sand and Gravel
Groundwater	Dry
Drain discharge depth	
Sidewall stability	Stable
Stone filled or open pit	Open pit

	1	2	3
Effective depth (m)	0.60	0.61	0.60
Volume outflowing between 75% & 25% (m3)	0.20	0.21	0.20
Mean surface area through which outflow occurs (m2)	1.85	1.86	1.85
Time for outflow between 75% & 25% (min)	24.33	39.63	41.53
SOIL INFILTRATION RATE (ms-1), f	7.50E-5	4.65E-5	4.39E-5

Remarks

Elapsed time (mins)	Depth to Water Test 1	Depth to Water Test 2	Depth to Water Test 3
0	0.40	0.39	0.40
1	0.45	0.42	0.41
2	0.48	0.43	0.43
3	0.50	0.44	0.44
4		0.45	
5	0.54	0.46	
6			0.47
17	0.72		
22		0.63	
27	0.82		
36			0.72
37		0.74	
45	1.00		
51		0.84	
56		0.86	
62			0.88
66			0.91



Site : Gundry's Farm Caravan and Camping Site

Client : AR (New Forest) Ltd

Engineer :

Job Number
251288

Sheet
2 / 3

Location	Date	Level	Location
TP04	28/10/2025	24.97 mOD	E: 408571 N: 105238

Pit Width (m)	0.45
Pit Depth (m)	1.10
Pit Length (m)	1.60

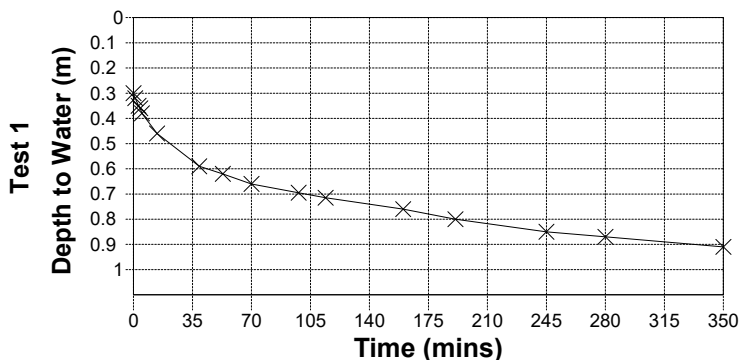
Soil type at test level	Sand and Gravel
Groundwater	Dry
Drain discharge depth	
Sidewall stability	Stable
Stone filled or open pit	Open pit

	1
Effective depth (m)	0.80
Volume outflowing between 75% & 25% (m3)	0.29
Mean surface area through which outflow occurs (m2)	2.36
Time for outflow between 75% & 25% (min)	310.81
SOIL INFILTRATION RATE (ms-1), f	6.54E-6

Remarks

Test 1 final data point extrapolated due to time constraints.

Elapsed time (mins)	Depth to Water Test 1
0	0.30
1	0.32
3	0.35
4	0.36
5	0.38
14	0.46
39	0.59
53	0.62
70	0.66
98	0.695
114	0.715
160	0.76
191	0.80
245	0.85
280	0.87
350	0.91



Site : Gundry's Farm Caravan and Camping Site

Client : AR (New Forest) Ltd

Engineer :

Job Number
251288

Sheet
3 / 3

Location	Date	Level	Location
TP05	28/10/2025	25.00 mOD	E: 408520 N: 105272

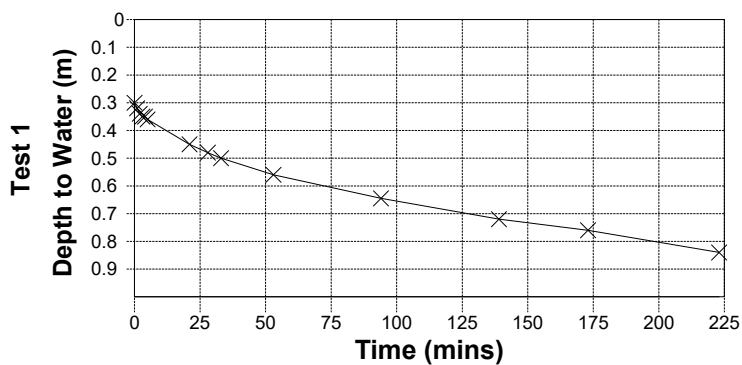
Pit Width (m)	0.45
Pit Depth (m)	1.00
Pit Length (m)	1.40

Soil type at test level	Sand and Gravel
Groundwater	Dry
Drain discharge depth	
Sidewall stability	Minor spalling
Stone filled or open pit	Open pit

	1
Effective depth (m)	0.70
Volume outflowing between 75% & 25% (m3)	0.22
Mean surface area through which outflow occurs (m2)	1.93
Time for outflow between 75% & 25% (min)	186.80
SOIL INFILTRATION RATE (ms-1), f	1.02E-5

Remarks

Elapsed time (mins)	Depth to Water Test 1
0	0.30
1	0.32
2	0.34
3	0.35
4	0.35
5	0.36
21	0.45
28	0.48
33	0.50
53	0.56
94	0.645
139	0.72
173	0.76
223	0.84



Appendix 9 – Drainage Calculations

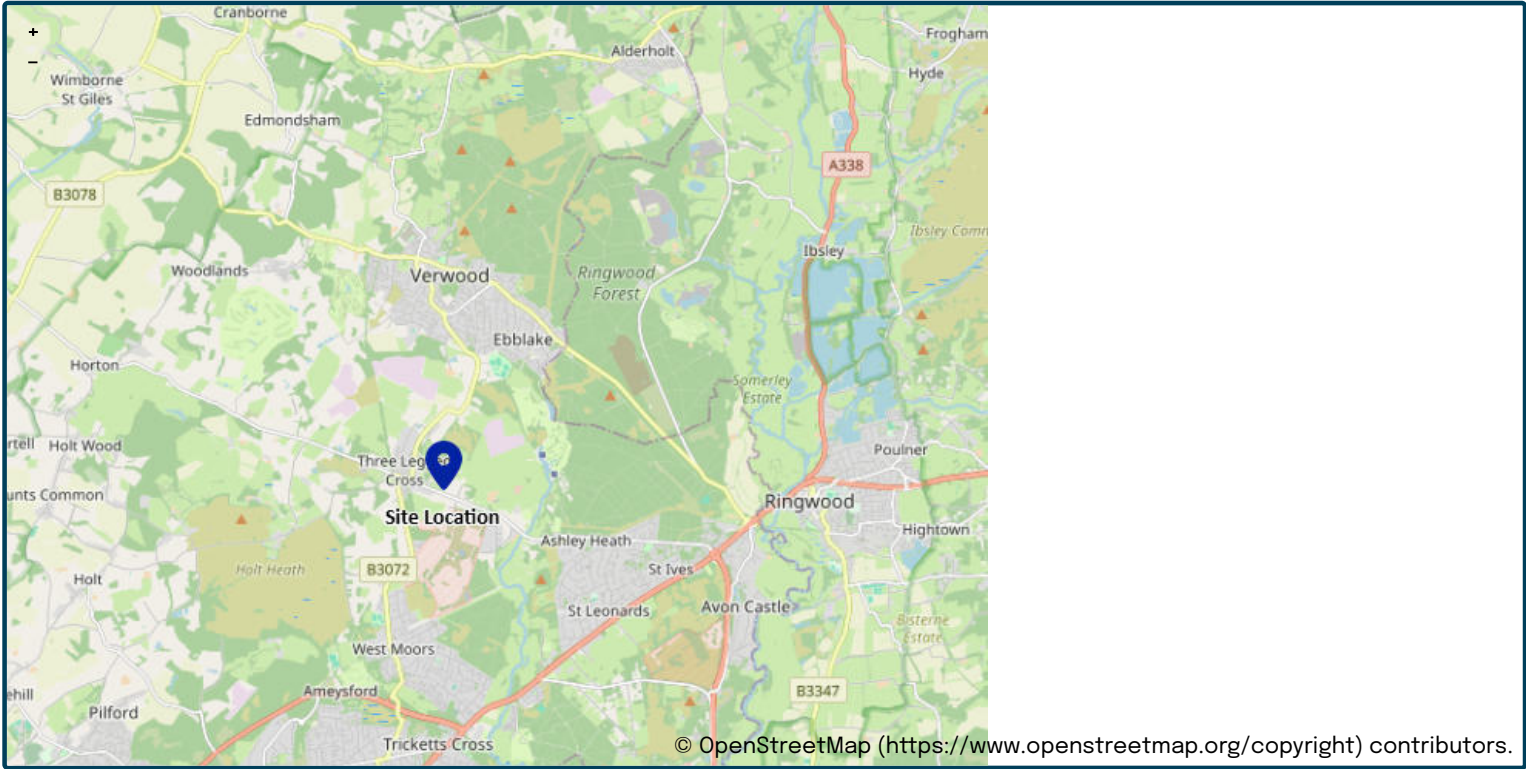
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Project details

Date	19/12/2025
Calculated by	Enzygo
Reference	SHF.284.013
Model version	2.2.2

Location

Site name	Gundrys Farm
Site location	Dorset



Site easting (British National Grid)	408769
Site northing (British National Grid)	105092

Site details

Total site area (ha)	0.027	ha
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Greenfield runoff

Method

Method	FEH statistical (2025)
--------	------------------------

FEH statistical (2025)

	<u>My value</u>	<u>Map value</u>
SAAR9120 (mm)	902	mm
BFIHOST19scaled	0.706	
QMed-QBar conversion	1.136	1.136
QMed (l/s)	0.1	l/s
QBar (FEH statistical 2025) (l/s)	0.1	l/s

Growth curve factors

	<u>My value</u>	<u>Map value</u>
Hydrological region	7	7
1 year growth factor	0.85	
2 year growth factor	0.88	
10 year growth factor	1.62	
30 year growth factor	2.3	
100 year growth factor	3.19	
200 year growth factor	3.74	

Results

Method	FEH statistical (2025)
Flow rate 1 year (l/s)	0.1
Flow rate 2 year (l/s)	0.1
Flow rate 10 years (l/s)	0.1
Flow rate 30 years (l/s)	0.1
Flow rate 100 years (l/s)	0.2
Flow rate 200 years (l/s)	0.2

Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent ‘zero’ figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

Disclaimer

This report was produced using the Greenfield runoff rate estimation tool (2.2.2) developed by HR Wallingford and available at uksuds.com (<https://www.uksubs.com/>). The use of this tool is subject to the UK SuDS terms and conditions and licence agreement, which can both be found at uksuds.com/terms-conditions (<https://www.uksubs.com/terms-conditions>). The outputs from this tool have been used to estimate Greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, Centre for Ecology and Hydrology, Wallingford Hydrosolutions or any other organisation for the use of these data in the design or operational characteristics of any drainage scheme.

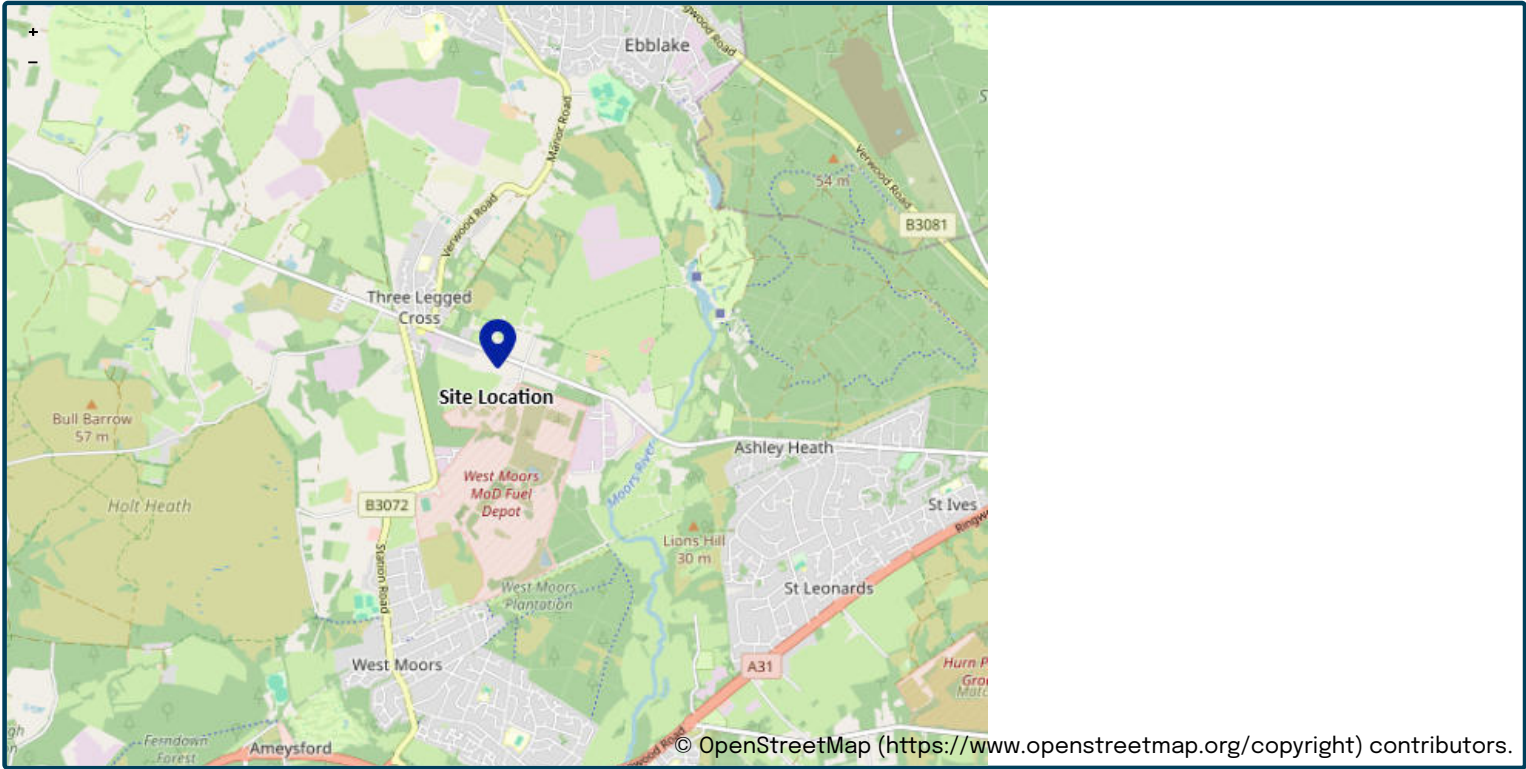
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Project details

Date	19/12/2025
Calculated by	Enzygo
Reference	SHF.284.013 - EAST
Model version	2.2.2

Location

Site name	Gundrys Farm
Site location	Dorset



Site easting (British National Grid)	408769
Site northing (British National Grid)	105092

Site details

Total site area (ha)	0.016	ha
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Greenfield runoff

Method

Method	FEH statistical (2025)
--------	------------------------

FEH statistical (2025)

	<u>My value</u>	<u>Map value</u>
SAAR9120 (mm)	902	mm
BFIHOST19scaled	0.706	
QMed-QBar conversion	1.136	1.136
QMed (l/s)	0.03	l/s
QBar (FEH statistical 2025) (l/s)	0.04	l/s

Growth curve factors

	<u>My value</u>	<u>Map value</u>
Hydrological region	7	7
1 year growth factor	0.85	
2 year growth factor	0.88	
10 year growth factor	1.62	
30 year growth factor	2.3	
100 year growth factor	3.19	
200 year growth factor	3.74	

Results

Method	FEH statistical (2025)
Flow rate 1 year (l/s)	0.03
Flow rate 2 year (l/s)	0.03
Flow rate 10 years (l/s)	0.1
Flow rate 30 years (l/s)	0.1
Flow rate 100 years (l/s)	0.1
Flow rate 200 years (l/s)	0.1

Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent ‘zero’ figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

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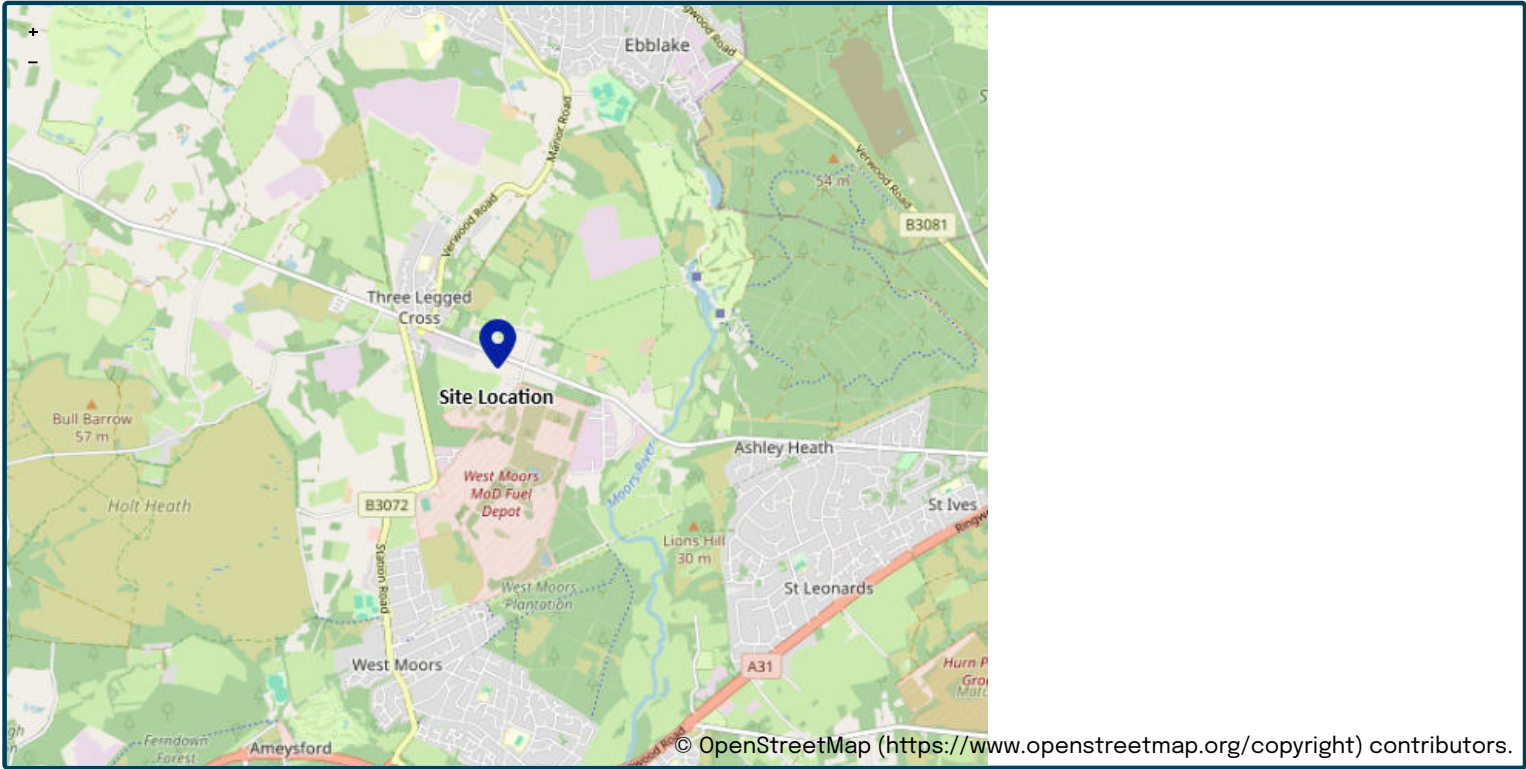
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Project details

Date	19/12/2025
Calculated by	Enzygo
Reference	SHF.284.013 - WEST
Model version	2.2.2

Location

Site name	Gundrys Farm
Site location	Dorset



Site easting (British National Grid)	408769
Site northing (British National Grid)	105092

Site details

Total site area (ha)	0.011	ha
----------------------	------------------------------------	----

Greenfield runoff

Method

Method	FEH statistical (2025)
--------	------------------------

FEH statistical (2025)

	<u>My value</u>	<u>Map value</u>
SAAR9120 (mm)	902	mm
BFIHOST19scaled	0.706	
QMed-QBar conversion	1.136	1.136
QMed (l/s)	0.02	l/s
QBar (FEH statistical 2025) (l/s)	0.03	l/s

Growth curve factors

	<u>My value</u>	<u>Map value</u>
Hydrological region	7	7
1 year growth factor	0.85	
2 year growth factor	0.88	
10 year growth factor	1.62	
30 year growth factor	2.3	
100 year growth factor	3.19	
200 year growth factor	3.74	

Results

Method	FEH statistical (2025)
Flow rate 1 year (l/s)	0.02
Flow rate 2 year (l/s)	0.02
Flow rate 10 years (l/s)	0.04
Flow rate 30 years (l/s)	0.1
Flow rate 100 years (l/s)	0.1
Flow rate 200 years (l/s)	0.1

Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent ‘zero’ figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

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Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
Basin	0.011	5.00	5.000	1500	0.800
Flow Control			5.000	1500	0.820
Outfall			5.000	1200	0.860

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)	Design Flow (l/s)
1.000	Basin	Flow Control	10.000	0.600	4.200	4.180	0.020	500.0	450	5.18	34.4	
1.001	Flow Control	Outfall	10.000	0.600	4.180	4.140	0.040	250.0	150	5.45	33.9	1.0

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	20.0		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	45	0	0

Node Flow Control Online Orifice Control

Flap Valve	x	Design Depth (m)	0.450	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	1.0		
Invert Level (m)	4.180	Diameter (m)	0.026		

Node Basin Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.200
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	64

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	12.0	0.0	0.450	12.0	0.0	0.451	0.0	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	76	4.253	0.053	0.7	0.3003	0.0000	OK
120 minute summer	Flow Control	76	4.253	0.073	0.4	0.1294	0.0000	OK
120 minute summer	Outfall	76	4.156	0.016	0.3	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	Flow Control	1.0	0.287	0.007	0.0947	
120 minute summer	Flow Control	1.001	Outfall	0.3	0.300	0.030	0.0110	1.5

Results for 30 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	80	4.396	0.196	2.2	1.1083	0.0000	OK
120 minute summer	Flow Control	80	4.396	0.216	1.1	0.3824	0.0000	SURCHARGED
120 minute summer	Outfall	80	4.162	0.022	0.6	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	Flow Control	2.3	0.332	0.016	0.5181	
120 minute summer	Flow Control	1.001	Outfall	0.6	0.357	0.055	0.0174	4.3

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	84	4.588	0.388	3.9	2.1889	0.0000	OK
120 minute summer	Flow Control	84	4.588	0.408	1.8	0.7209	0.0000	SURCHARGED
120 minute summer	Outfall	84	4.166	0.026	0.9	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	Basin	1.000	Flow Control	3.8	0.355	0.026	1.0619	
120 minute summer	Flow Control	1.001	Outfall	0.9	0.390	0.078	0.0223	7.7

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Depth (m)
Basin	0.016	5.00	5.000	1500	0.800
Flow Control			5.000	1500	0.820
Outfall			5.000	1200	0.860

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)	Design Flow (l/s)
1.000	Basin	Flow Control	10.000	0.600	4.200	4.180	0.020	500.0	450	5.18	34.4	
1.001	Flow Control	Outfall	10.000	0.600	4.180	4.140	0.040	250.0	150	5.45	33.9	1.0

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	1.000	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	1.000	Additional Storage (m³/ha)	20.0		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	45	0	0

Node Flow Control Online Orifice Control

Flap Valve	x	Design Depth (m)	0.450	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	1.0		
Invert Level (m)	4.180	Diameter (m)	0.026		

Node Basin Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	4.200
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	112

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	32.8	0.0	0.450	32.8	0.0	0.451	0.0	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	112	4.262	0.062	0.9	0.7413	0.0000	OK
180 minute summer	Flow Control	112	4.262	0.082	0.4	0.1444	0.0000	OK
180 minute summer	Outfall	116	4.156	0.016	0.4	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	Flow Control	1.3	0.299	0.009	0.0975	
180 minute summer	Flow Control	1.001	Outfall	0.4	0.306	0.032	0.0116	2.6

Results for 30 year Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Basin	86	4.414	0.214	3.2	2.5748	0.0000	OK
120 minute summer	Flow Control	86	4.414	0.234	1.1	0.4143	0.0000	SURCHARGED
120 minute summer	Outfall	86	4.162	0.022	0.6	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	Flow Control	2.4	0.309	0.017	0.5043	
120 minute summer	Flow Control	1.001	Outfall	0.6	0.361	0.058	0.0179	6.3

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Basin	124	4.620	0.420	4.2	5.0439	0.0000	OK
180 minute summer	Flow Control	124	4.620	0.440	1.5	0.7776	0.0000	SURCHARGED
180 minute summer	Outfall	128	4.167	0.027	0.9	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Basin	1.000	Flow Control	4.7	0.340	0.033	1.0323	
180 minute summer	Flow Control	1.001	Outfall	0.9	0.395	0.081	0.0229	12.5

Appendix 10 – Simple Index Approach [SIA] Tool

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		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	Filter drains should be preceded by upstream component(s) that trap(s) silt, or designed specifically to retain sediment in a separate zone, easily accessible for maintenance, such that the sediment will not be re-suspended in subsequent events		
Component 1	Filter drain (where the trench is not designed as an infiltration component)				
Component 2	None				
Component 3	None				
SuDS Pollution Mitigation Indices					
TSS	0.4				
Metals	0.4				
Hydrocarbons	0.4				
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	0.4				
Metals	0.4				
Hydrocarbons	0.4				
Acceptability of Pollution Mitigation					
TSS	Sufficient				
Metals	Sufficient				
Hydrocarbons	Sufficient				



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