

Flood & Water Management Act 2010

Schedule 3 Sustainable Drainage

SuDS Scheme Application for SuDS Approving Body (SAB) Approval – Wales

Application Form for Full Application Approval of SuDS on new developments in accordance with The Sustainable Drainage (Approval and Adoption Procedure) (Wales) Regulations 2018

Full Application Structure	
Full Application Form	<i>(To complete & return)</i>
Guidance on Completing the Full Application Form – including specific information and evidence required to support the application.	<i>(For guidance)</i>

(Use hyperlinks above to directly access the Form and Guidance)

Full Application Form

This form is based on the requirements provided by Welsh Government for the sole purpose of submitting information to the SuDS Approving Body (SAB) in accordance with the legislation detailed on this form and other relevant items of primary and subordinate legislation.

Please be aware that once you have downloaded this form, the SAB and Welsh Government will have no access to the form or the data you enter into it. Subsequent use of this form is solely at your discretion, including the choice to complete and submit it to the SAB in agreement with the declaration section.

Upon receipt of this form and any supporting information, it is the responsibility of the SAB to inform you of its obligations in regard to the processing of your application. Please refer to its website for further information on any legal, regulatory and commercial requirements relating to information security and data protection of the information you have provided.

Please Note:

1. **This form is for a Full SuDS Scheme Application for SAB approval ONLY;**
2. Approval of this application will be based on compliance with the [Statutory National Standards for Sustainable Drainage Systems \(SuDS\) for Wales](#), and [Statutory Instruments](#);
3. Once this application is made to SAB, it will be determined solely on the written technical and other information submitted with the full application;
4. You are strongly advised to have previously submitted a Pre-Application form to SAB, and engaged early, and directly, with the SAB, the LPA and all other relevant organisations that may have an interest in your SuDS scheme proposal, including the SAB statutory consultees listed below:
 - a. Sewerage undertaker
 - b. National Resources Wales
 - c. Highway Authority
 - d. Canal & River Trust
 - e. Internal Drainage Districts (NRW);
5. **For a valid SuDS Scheme Full Application to the SAB, all sections of this form MUST be fully completed; and**
6. **You are also required to provide technical information as indicated in the [Guidance](#) (or as otherwise directed by the SAB during Pre-Application discussions).**

We will process the information you provide so that we can deal with your application. We may also process or release the information to offer you documents or services relating to environmental matters and consult the public, public organisation and other organisations; provide information from the public register to anyone who asks or prevent anyone from breaking environmental law, investigate cases where environmental law may have been broken and take any action that is needed, and respond to requests for information under the Freedom

of Information Act 2000 and the Environmental Information Regulations 2004 (if the Data Protection Act allows).

Please ensure that the information you submit is accurate and correct and does not include personal or sensitive information. If you require any further clarification, please contact the SAB directly.

If printed, please complete using block capitals and black ink prior to submitting to the SAB.

Please read through the Guidance and complete this application form carefully ensuring all boxes are completed fully. If you fill in the application form correctly first time, the SAB can process it quicker.

Prior to the submission of this Full Application, applicants are strongly advised to make a Pre-Application submission to discuss their proposals with the SAB and ensure that an acceptable SuDS scheme is submitted. Please note that pre-application fees may apply.

Submissions made in support of this application shall be based upon current legislation and industry best practice including documents referenced in the **Guidance on Making SuDS Applications for SAB Approval.**

Proposals submitted should be developed by a competent and suitability qualified professional, experienced in drainage/ SuDs / flood risk management design.

Where applicable, the LPA planning reference or unique identifier must be included.

Applicants should complete this form and submit it, together with the necessary supporting documents, to Merthyr Tydfil Council Borough Council's SuDs Approving Body.

Payment of the Full Application fee can be made via Credit/Debit card, BACS or Cheque which should be made payable to **Merthyr Tydfil Council Borough Council**. Please note your application will not be processed until the application fee is received and cleared in full.

When you have completed the application form please submit the form and associated documents either electronically or by post to:

Email: SAB@merthyr.gov.uk. (Please note there is a 10MB limit to email sizes)

Phone: 01685 725000

Postal: MTCBC SAB, Rm 146, Unit 5, Triangle Business Park, Pentrebach, Merthyr Tydfil. CF48 4TQ

If you are not sure about anything contained in the application form, please contact us.

Content

ALL sections of this form MUST be fully completed

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- 11. Non-performance Bond, Adoption, Operation & Maintenance**
- 12. SuDS Scheme Application Checklist**
- 13. Declaration**

1. Applicant Details**Applicant Name and Address**

Title and Name		Mr Lee Pickett
Company		Technical Services Consult Ltd.
Suffix (unit/name/number)		
Address line 1		
Address line 2		
Address line 3		
Town		
County		
Postcode		
Phone number	Mobile	
	Works	07908039916
	Home	
e-mail address		lee.pickett@ts-consult.co.uk

Agent Name and Address

Title and Name		Mr Freddy Payne
Company		Vale Consultancy
Suffix (unit/name/number)		Unit 29
Address line 1		Bocam Park
Address line 2		Old Field Road
Address line 3		Pencoed
Town		Bridgend
County		Bridgend
Postcode		CF35 5LJ
Phone number	Mobile	
	Works	01656 863794
	Home	
e-mail address		Freddy.payne@vale-consultancy.co.uk

Preferred contact	Applicant	Agent
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2. Site Details

A general description of site location supported by a plan specifying the construction area and the extent of the drainage system for which approval is sought MUST be submitted. Plans shall be at a scale of 1:2500. All plans MUST show the direction of North.

Name of proposed development	6 Criccieth Grove
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Grid Reference (E/N)	302058	206785
Suffix (unit/name/number)		
Address line 1	6 Criccieth Grove,	
Address line 2		
Address line 3		
Town	Merthyr Tydfil	
County	Merthyr Tydfil	
Postcode	CF48 1JY	

Description of proposed development	4 bedroom detached house with driveway and garden	
Total application site area (Ha)	0.026	
Is the existing site currently developed i.e. Brownfield or is it currently undeveloped i.e. Greenfield?	Brownfield	
Existing use	Garden	
Proposed use	Residential	
Does the site cross more than one SAB area?	Yes ☐	No ☒

If "Yes", please confirm the proportionate area in each SAB below:

(The main contact will be the SAB that has most of the surface water drainage system within its boundary.)

SAB	% of Site Area

3. Interest in the Land

What interest do you have in the land?		
Owner	Yes ☒	No ☐
Prospective Owner	Yes ☐	No ☐
Other (please provide details)		

4. Application

Has any prior advice been sought from the SAB about this application?		Yes ☐	No ☒
If Yes, please complete the following information about the advice you were given. This will help the SAB to deal with this application more efficiently.			
Officer Name			
Reference number		Date	DD MM YYYY
Details of pre-application advice received			

Does this application relate to any other SAB application already made?	Yes ☐	No ☒
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If “Yes”, please provide SAB Reference number	
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Is this application part of a phased approach to development of the site, or one of multiple applications for the same site?	Yes ☐	No ☒
If “Yes”, please provide brief details		

Is this application one of two or more applications made at the same time, each setting out an alternative proposal for construction of a drainage system	Yes ☐	No ☒
If “Yes”, please provide details of other applications made at the same time (include SAB Reference number if available)		

5. Application Fee

It is recommended you contact the SAB directly to ensure the correct fee is paid with the application.

		Area of Land (Ha)	Fraction	Fees
Application fee		N/A	N/A	£350.00
Each 0.1ha or fraction of 0.1ha, for first 0.5ha	£70.00	0.026	1/5	£70.00

Each 0.1ha or fraction of 0.1ha, from 0.5ha up to and including 1ha	£50.00			
Each 0.1ha or fraction of 0.1ha, from 1ha up to and including 5ha	£20.00			
Each additional 0.1ha or fraction of 0.1ha above 5Ha.	£10.00			
Is the applicant a town/community council?		If yes, application fee is half the amount		
<u>If applicable</u> – reduction of 50% application fee due to this being an alternative proposal made at the same time.				
<u>If applicable</u> – application fee adjustment due to cross-SAB area approvals needed.				
			Total Fees	£420.00

6. Environmental Impact Assessment (EiA) Statement

Does this application relate to a development that is the subject of an EiA application under the Town & Country Planning (Environmental Impact Assessment) (Wales) Regulations 2017(1)?	Yes ☐	No ☒
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7. Compliance with Statutory National Standards for Sustainable Drainage Systems (SuDS)

All sustainable drainage systems **MUST** comply with the [Statutory National Standards for Sustainable Drainage Systems \(SuDS\) for Wales](#). You are advised to refer to the detailed text in the Standards that relate to the information required below. The Standards are re-produced, in the [Guidance](#) to assist in completing this application form.

Standard Principles

The Principles listed below will underpin the design of surface water management schemes to meet the Statutory National Standards. Please provide a brief summary in each of the boxes below relating to each of the bulleted Standard Principles and itemised Standards 1 to 6, showing how your proposed drainage scheme complies with this statutory requirement.

Compliance with Standard Principles

My proposed surface water drainage scheme will comply in the following way/s:

The existing 260m² brownfield site which is currently part of the garden of 6 Criccieth Grove is to be developed into a 4-bedroom detached house with garden and driveway. The proposed plot of land does not have an existing surface water drainage system but is crossed by a combined sewer.

The proposed development will provide the site with a new sustainable surface water drainage system that will incorporate SuDS features providing a solution that will manage surface water for storm events up to a 100-year return period plus 40% climate change whilst providing improved water quality, amenity and biodiversity.

The SuDS components considered suitable for this site are a porous asphalt driveway and bioretention raingardens. Surface water will be collected from roofs and impermeable areas and conveyed towards and discharged to either of the SuDS components via linear channels and piping before being discharged to a combined sewer at a controlled rate.

The storage volume of the porous asphalt course graded aggregate (CGA) sub-base has been calculated such that it will contain all surface water runoff from the site for a 1 in 100-year storm event plus 40% climate change for the critical storm duration, refer to **Appendix D – Design Calculations**.

*Foul water drainage to serve the site proposals has been considered and designed in accordance with Sewers for Adoption 7th edition, parts H1 and H2 of the Building Regulations and BS EN 752:2008. For co-ordination purposes foul water drainage has been shown on the proposed site plan, refer to **Appendix B**.*

Overall, the proposed surface water drainage system seeks to be a cost effective and easily maintainable sustainable drainage solution. The surface water discharge location is the most appropriate and preferred method within the sites constraints and the SuDS components incorporated in the design provide water quality, amenity and biodiversity benefits.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

1. 11817-DSR Drainage Strategy Report
2. 11817_500 Drainage Plan
3. 11817_501 Drainage Details
4. 11817_502 Contributing Area Plan
5. 11817-MP01-r01 SuDS Maintenance Plan
6. 11817-PS01-r01 Planting Schedule

Standards 1 to 6**Compliance with Standard S1 - Surface water runoff destination**

My proposed surface water drainage scheme will comply in the following way/s:

The following receptors have been considered for surface water runoff on site, in order of SuDS preference. The aim of SuDS Standards is to ensuring that the most effective drainage scheme is delivered with the most preferred levels of surface water destination, where the design can move to the next means of discharge only under exception criteria.

- 1. Surface water collection for reuse.**
- 2. Discharge by infiltration into ground**
- 3. Discharge into open surface water body**
- 4. Discharge into surface water sewer, highway drain, or other drainage system**
- 5. Discharge into combined sewer.**

Priority Level 1 - Surface water collected for reuse:

The use of a proprietary rainwater harvesting system has been considered for the respective development and disconnected due to the disadvantage of capital cost/installation and maintenance requirement that a specialist system would impose on the site owner and in addition following reasons also have an influence on the level of service that could be expected from the provision of a RWH system, as there is no foreseeable demand for non- potable water within the development proposals. There is no foreseeable need to harvest water at the site as DCWW has not identified any potential stresses on the mains water supply.

The use of rainwater harvesting is not a cost-effective / viable option for managing surface water runoff in comparison to the water supply benefit by installing/maintaining such a system.

Indicative costs estimate for a capture-store-pump-use based on a 2,000 (2m3) litre tank serving development (Technical source University of Exeter/STW):

Onsite installation costs (Inc of exaction/backfill, pipework, electrical supply etc) = £1,300.00

RWH system with a 2m3 tank delivered to site =£2,500-£3,000.00

Capital Costs circa =£4,000.00

Average water potable/domestic consumption = 197m3/annum

DCWW Standard volumetric measured rate = £1.36/m3

Typical water bill /annum=£1.36 x 197m3 =£268.00

House with RWH system would provide a 25% reduction on water demand:

£268.00x25 % = £68.00/annum

Therefore a 25% saving set against the capital investment cost would result in a 58-year break even recovery of costs.

The obligation to provide such a system is not a mandatory requirement in so far as reuse/recycling has been given due consideration.

No solution, move to next Priority Level

Priority Level 2 – Discharge via infiltration:

As per section 1.3 of this report a site investigation was undertaken by Matt Jones of Vale Consultancy in December 2020 where infiltration testing was attempted in accordance with BRE365 Digest Standards for two trial pits. Tests failed in both trial pits as water levels changed insignificantly during the 24 hours after commencement of testing.

Therefore, discharging surface water via infiltration is not viable.

No solution, move to next Priority Level

Priority Level 3 - Discharge into open surface water body:

The nearest open surface water body identified is Nant Fwrdd stream, approximately 600mm north of the site. Connecting to the stream is not viable as it would involve crossing multiple third-party land ownerships and major infrastructure which would be difficult to resolve and overcome.

No solution, move to next Priority Level

Priority Level 4 – Discharge into surface water sewer, highway drain, or other drainage system:

DCWW asset maps confirm there is a 225mm surface water sewer in Criccieth Grove road which is the proposed and most appropriate surface water discharge location, subject to invert levels and agreement from DCWW. Initial investigations undertaken to establish cover and invert levels of the upstream and downstream manholes of the surface water sewer suggest that the sewer is deep enough to allow for connection under gravity.

Priority Level 4 solution, priority level 5 is less desirable so is therefore not explored or required.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

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Compliance with Standard S2 - Surface water runoff hydraulic control

My proposed surface water drainage scheme will comply in the following way/s:

Proposed SuDS drainage system

The proposed SuDS drainage system will use a combination of porous asphalt with a course graded aggregate (CGA) sub-base storage layer and bioretention raingarden areas to collect and attenuate surface water runoff. Attenuation will be designed such that no flooding will occur for a 1 in 100-year storm event plus 40% climate change and a flow control device will be installed downstream of the attenuation systems to control discharge into the combined sewer.

Hydraulic Control

As per the Statutory Standard for sustainable drainage systems and The Flood and Water Management Act 2010 for previously developed sites, site runoff rates should be reduced to the greenfield rates wherever possible. Because the critical duration for the attenuation storage system for the proposed development will be much longer than the storm duration used for sizing pipework for the previously developed site, there is a risk that, by allowing previously developed runoff rates to occur (for a much longer duration) receiving watercourse damage and flood risk could be made considerably worse. Thus, betterment of at least 30% should be considered as a minimum requirement and strong consideration should still be given to controlling volumes of runoff to greenfield equivalents.

Thus, for this development a betterment of 43% to the existing brownfield run-off rate is proposed, which has been calculated based on the Modified Rational Method as follows:

$$Q = 2.78 \times Cr \times Cv \times i \times A$$

$$Q = 2.78 \times 1.3 \times 0.75 \times 50 \times 0.026 = 3.52 \text{ l/s}$$

$$43\% \text{ betterment} = 3.52 \times (1 - 0.43) = 2.00 \text{ l/s}$$

Therefore, a surface water discharge rate of 2.0 l/s is proposed subject to the agreement and approval of Dwr Cymru Welsh Water (DCWW).

The CGA sub-base storage layer will provide sufficient storage volumes such that no flooding will occur for a 1 in 100-year storm event plus 40% climate change. The proposed bioretention raingardens will provide interception and biodiversity benefits. Although they will also have a positive contribution towards hydraulic control, they have not been designed into the attenuation system. The CGA sub-base will provide sufficient attenuation storage alone.

The total catchment area for the proposed SuDS which includes the house, surrounding footpaths and driveway is approximately 154m².

The 38m² area of porous asphalt driveway will require a minimum 70mm porous asphalt surface course underlain by a CGA sub-base. As shown on drawing 11817_500, it is proposed that a 4m x 3.5m area of the porous asphalt will have a deep CGA sub-base, with minimum depth of 590mm to provide sufficient storage volume. The remaining area of porous asphalt will require the minimum sub-base depth for intended traffic loading, equating to a sub-base depth of 150mm.

For hydraulic calculations of the porous asphalt refer to **Appendix D – Design Calculations**.

Interception of runoff

For greenfield sites the majority of rainfall events during the year create no noticeable surface water runoff, the rainwater will normally evapotranspire or recharge groundwater. Whereas, impermeable surfaces generate runoff from virtually all rainfall events. Therefore, the development of greenfield sites changes its surface water runoff characteristics and can have a negative impact on the morphology and ecology of receiving watercourses.

By providing interception of runoff through SuDS systems developed sites can be designed so to have zero runoff for most small rainfall events and more closely replicate the surface water characteristics of its former greenfield state.

As per Box 24.3 of the CIRIA SuDS Manual 2015. For a site where infiltration is poor, interception can only be delivered through the process of evapotranspiration. On this basis, it is considered that 1m² of vegetated or permeable area (porous asphalt) can provide interception for up to 3m² of impermeable area.

The proposed sites total impermeable area which includes the building, surrounding footpaths and some of the driveway is 111m². Therefore, a minimum of 37m² of vegetated or impermeable area is required to intercept the runoff. The proposed porous asphalt driveway is 38m² and the bioretention raingardens total an area of 5m², therefore the total impermeable area provided of 43m² is more than the required 37m².

Exceedance Flows

It is necessary to assess the risk and consequence of flooding for exceedance events. This is to determine the likely water flow paths and destinations that would be caused by a storm event that exceeds the critical 1 in 100-year + 40% climate change allowance that the surface water drainage system is designed for.

In these very unlikely events, it is possible that the surface water system will surcharge and fail. For the proposed site in particular surface water is discharged at a controlled rate via a flow control chamber. An overflow will be provided within the flow control chamber to allow surface water to discharge at an unfettered rate in an exceedance event.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

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Compliance with Standard S3 – Water Quality

My proposed surface water drainage scheme will comply in the following way/s:

For roof and pedestrian areas water quality isn't considered such an issue as pollutant levels are expected to be low. However, in highways and car parking areas where fuel and oil may be emitted from vehicles it would be beneficial to treat runoff before it discharges from the site.

To assess that the water quality being provided by the proposed SuDS solution is sufficient, the simple index approach as per section 26.7.1 of the CIRIA SuDS Manual 2015 is applied.

To deliver adequate water quality treatment the total SuDS mitigation index must be more than the pollution hazard index for each contaminant type. The pollution hazard and mitigation indices have been taken from tables 26.2 and 26.3 of the CIRIA SuDS Manual 2015.

Section 2.2.3 of the DSR illustrates that the proposed SuDS components provide adequate water quality treatment.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

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6. 11817-PS01-r01 Planting Schedule

Compliance with Standard S4 – Amenity

My proposed surface water drainage scheme will comply in the following way/s:

The use of raingardens and incorporating porous asphalt into the driveway will provide an attractive, high quality open space that will be used to serve the site, seamlessly integrating SuDS into the driveway and garden area. The SuDS components will effectively drain surface water as close to the source as possible. The use of raingardens can also provide significant aesthetic benefits and an opportunity to improve biodiversity.

Within the site constraints the proposed solution looks to maximise amenity benefits.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

1. 11817-DSR Drainage Strategy Report
2. 11817_500 Drainage Plan

3. 11817_501 Drainage Details
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6. 11817-PS01-r01 Planting Schedule

Compliance with Standard S5 – Biodiversity

My proposed surface water drainage scheme will comply in the following way/s:

The use of raingardens can help to provide a new quality habitat for wildlife, having a positive contribution to biodiversity in the area. The use of planting native species can support local biodiversity by providing habitat and food for invertebrates and birds better integrating this development into the wider natural landscape surrounding the area of Merthyr Tydfil.

A planting schedule has been developed giving recommended plant species suitable to the environment which can be incorporated into the raingarden areas, refer to **Appendix F – Planting Schedule**.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown in [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

1. 11817-DSR Drainage Strategy Report
2. 11817_500 Drainage Plan
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6. 11817-PS01-r01 Planting Schedule

Compliance with Standard S6 – Design of drainage for Construction and Maintenance and Structural Integrity

My proposed surface water drainage scheme will comply in the following way/s:

To ensure SuDS components continue to operate reliably regular inspection and maintenance should be carried out. In most cases, appropriate information should be provided by the relevant manufacturer on what has been installed, how it works, when to inspect it and whether maintenance will be required. CIRIA C753 The SuDS Manual also provides information on the operation and maintenance requirements for various SuDS components.

An inspection and maintenance plan has been produced for the site proposals, providing the site owner, who is responsible for the maintenance, guidance on the types and frequency of inspections and maintenance work that is required for the proposed SuDS elements. It also provides a cost estimate for the inspection and maintenance requirements over the development's lifetime.

Refer to **Appendix G – Management & Maintenance Plan**.

Relevant items of supporting information (e.g. evidence, technical documents, plans and drawings etc.), as shown [Table A](#) and [Table B](#) of this Guidance **MUST** be listed below, and all relevant material submitted.

1. 11817-DSR Drainage Strategy Report
2. 11817_500 Drainage Plan
3. 11817_501 Drainage Details
4. 11817_502 Contributing Area Plan
5. 11817-MP01-r01 SuDS Maintenance Plan
6. 11817-PS01-r01 Planting Schedule

8. Assessment of Flood Risk

Is the site within an area at risk of flooding? Refer to Natural Resources Wales Development Advice maps. (Natural Resources Wales / Development and flood risk)	Yes ☐	No ☒
If the proposed development is within the area at risk of flooding, you will need to consider whether it is appropriate to submit a flood consequences assessment. (Refer to Technical Advice Note 15 (TAN15)).		

Is the site located within an area susceptible to surface water flooding? Refer to NRW Surface Water Flood Maps .	Yes ☐	No ☒
Is the site located within an area susceptible to groundwater flooding?	Yes ☐	No ☒
Is there a watercourse (as defined under Section 72 Land Drainage Act 1991) located within 20m of the proposed development?	Yes ☐	No ☒

9. Surface Water Discharge Hierarchy

Surface water drainage arrangements shall demonstrate the proposed surface water drainage complies with National SuDS Standards. As much of the runoff as possible should be discharged to each hierarchy element before a lower hierarchy element is considered. Collection and infiltration methods of drainage are required to be considered in the first instance. With reference to the hierarchy levels below, please indicate your proposed drainage arrangements.

Level	Yes	No
1. Collect for use	☐	☒
2. Infiltration	☐	☒
3. To watercourse	☐	☒
a. Is it an Ordinary Watercourse?	☐	☐
b. Is it a Main River?	☐	☐
4. To surface water sewer	☒	☐
a. Is it a Highway drain?	☐	☐
b. Is it a public sewer?	☒	☐
c. Is it a private sewer?	☐	☐
d. Other	☐	☐
5. To combined sewer	☐	☒

Has advice been sought from the asset owners?	Yes ☐	No ☒
Has advice been sought from the land owners?	Yes ☐	No ☒

10. Infiltration Assessment

Where infiltration drainage is proposed, testing should be carried out to a methodology agreed with the SAB e.g. [Infiltration Drainage - Manual of Good Practice \(CIRIA R156\)](#) and [BRE Soakaway Design \(DG 365 – 2016\)](#), and be used to inform the design, construction, maintenance, testing and assessment of infiltration systems.

Has infiltration testing been carried out?		Yes ☒	No ☐
Analysis of development Geology (including both bedrock and superficial deposits where known)		See section 1.3 of the Drainage Strategy Report 11817-DSR	
Depth to groundwater (metres)		Not encountered	
Borehole testing	Reference	Blandford Consulting SI Report	
	Date		02 20 20

Has a Contaminated Land Assessment been undertaken?	Yes ☐	No ☒
Is the infiltration drainage proposed on contaminated land?	Yes ☐	No ☒

Infiltration test result	Tests failed
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11. Non-performance Bond, Adoption, Operation & Maintenance

What are your proposals regarding cost of works, adoption and maintenance of the SuDS scheme?

Non-performance Bond – Estimated cost of work	£6,693
Adoption (including land agreements etc)	A Section 104 agreement will be required for connection to the public sewers for the proposed surface water and foul water drainage.

Funded Maintenance Plan for the lifetime of the development	Please refer to the SuDS Management & Maintenance Plan (11817-MP01)
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12. SuDS Scheme Application Checklist

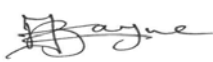
Please complete the following checklist and make sure you have read the Guidance on Making SuDS Applications for SAB Approval, the Guidance on completing the Full Application Form, and provided all the necessary information in support of your application:	
Correct Full Application fee.	Yes ☒
Completed, signed and dated Full Application form.	Yes ☒
Plan/s specifying the construction area and the extent of the drainage system for which approval is sought. All plan/s shall be at a scale of 1:2500 and MUST show the direction of North.	Yes ☒
Taken account of SAB Guidance on technical information to be submitted to enable SAB to assess your Full Application.	Yes ☒

13. Declaration

I/ we hereby apply for SuDS Approval as described in this form and the accompanying plans/drawings and additional information. I confirm that I have read and complied with the National SuDS Standards and, to the best of my knowledge, any facts stated are true and accurate and any opinions given are the genuine opinions of the persons giving them.

This form has been completed using evidence from the Flood Consequences Assessment where applicable, surface water drainage strategy and site plans and associated documents.

This form has been completed using accurate information. It can be used as a summary of the detailed surface water drainage proposals on this site, and clearly shows that these drainage proposals conform to the National SuDS Standards for Wales.

Form completed by	Mr Freddy Payne
Signature	
Qualification of person responsible for signing off this application	BEng
Company	Vale Consultancy
On behalf of (Client's details)	Lee Pickett – Technical Services Consult Ltd.
Date	11.01.2020

Disclaimer

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