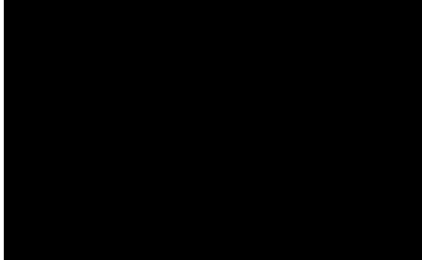


SDP

**CONSULTING
ENGINEERS**

**Suite 3, Salar House
Campfield Road
St.Albans, Hertfordshire
AL1 5HT**



SUDS MAINTENANCE PLAN

FOR

PROPOSED NEW RESIDENTIAL DEVELOPMENT

AT

FORD ROAD

ARUNDEL

Project: E19-003
Date: April 2022
Author: Nigel Grayer
Status: Planning
Revision: First Issue

CONTENTS

1.0	INTRODUCTION.....	1
2.0	PROPOSED STORM WATER DRAINAGE SYSTEM.....	1
3.0	SUDS AT FORD ROAD, ARUNDEL	1
4.0	MANAGING SUDS	2
5.0	SUDS SCHEME CHECKLIST	2
6.0	SUSTAINABLE DRAINAGE MAINTENANCE SPECIFICATION.....	2

APPENDIX 1

Sustainable Drainage Strategy from Planning Application

APPENDIX 2

Proposed Storm Water Drainage System

APPENDIX 3

Surface Water Drainage Maintenance Plan

APPENDIX 4

SuDS Maintenance Inspection Checklist

This document is issued for the party which commission it and for the specific purposes connected with the above captioned project only. It should not be relied upon by any other party or used for any other purposes.

We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.

This document contains confidential information and proprietary intellectual property. It should not be shown to other parties without consent from us and from the party which commissioned it.

1.0 Introduction

- 1.1 We have been appointed by Oakford Homes to provide a SuDS Maintenance Plan (SMP) for Ford Road, Arundel, to enable the storm water drainage system to be maintained and operated as intended within the design.
- 1.2 A Sustainable Drainage System Management Strategy was prepared as part of the planning application and is enclosed in [Appendix 1](#).
- 1.3 The SMP expands on this document as the drainage scheme has been developed for construction.

2.0 Proposed Storm Water Drainage System

- 2.1 The proposed storm water drainage system is as shown on the following drawing ([Appendix 2](#)).
 - E19-003-1001 Surface Water Drainage Strategy
- 2.2 The storm water drainage system within the site has been designed to cater for a 100 year storm return period with a 40% allowance for climate change. On site storage/attenuation has been provided within each SuDS component.
- 2.3 The SuDS system aims to manage rainfall and use landscape features where possible to deal with surface water.
 - 2.3.1. Control the flow and volume of water leaving the development.
 - 2.3.2. Prevent pollution by intercepting silt and cleaning runoff from hard surfaces.
- 2.4 The flood risks to the site have been checked by using the Environment Agency Flood Maps in the planning approved FRA.

3.0 SuDS at Ford Road, Arundel

- 3.1 During rainfall events the storm water runoff is managed as follows:
 - Run-off from Block A roof will be collected by rain water down pipes to a below ground network of sewers. The outfall will be restricted to 1.0 l/sec via a hydrobrake manhole, which will finally outfall into the adjacent drainage ditch. The attenuated flows will be catered for in storage crates adjacent to the building.
 - Run-off from Block B will be similar to Block A. The only difference being the attenuation tanks will be suspended below the upper ground floor, above the flood plain level
 - The car parking/hard standing areas are all constructed using tanked permeable paving with storage crates below. The outfall will be restricted to 2.0 l/sec via a hydrobrake manhole before discharging to the adjacent drainage ditch.

4.0 Managing SuDS

4.1 The SuDS have been designed for easy maintenance to comprise:

- Regular day to day care – litter collection, regular gardening to control vegetation growth and checking inlets where water enters the SuDS feature.
- Occasional tasks – checking the SuDS feature and removing any silt that builds up in the SuDS feature.
- Remedial Work – repairing damage where necessary.

5.0 SuDS Scheme Checklist

5.1 The following lists the SuDS components and extra features which are found on site:

Refer to drawing ref: E19-003-1003 Surface Water Drainage Maintenance Plan for item references (see [Appendix 3](#)).

E19-003 SuDS Maintenance Inspection Checklist is to be completed during each maintenance inspection (see [Appendix 4](#)).

- **Permeable paving** – used for car parking areas and will collect and treat surface water runoff (Item ref 01)
- **Surface water attenuation crates** – used to store surface water run-off (Item ref 02)
- **Surface water headwalls** – used to connect the surface water drainage to the existing surface water drainage ditch (Item ref 03)
- **Above ground surface water attenuation tanks** – used to store surface water run-off from Black B roof (Item ref 04)
- **Hydrobrake manhole** to be used to restrict the surface water run-off as specified on the drawings (item ref 05)
- **Below ground drainage pipes** convey water to the SuDS systems. They should be free from obstruction at all times to allow free flow (Item ref 06)

6.0 Sustainable Drainage Maintenance Specification

General Requirements

General Requirements	Frequency
Maintenance activities comprise • Regular Maintenance • Occasional tasks • Remedial work	
Generally Litter Collect all litter or other debris and remove it from site at each visit.	Monthly

- **Avoid use of weed-killers and pesticides to prevent chemical pollution**
- **Avoid de-icing agents wherever possible**

- **Protect all below ground drainage through careful selection and placement of hard and soft landscaping.**

Permeable Paved Areas

- Permeable block paving is porous to allow rain to percolate through the surface into underlying drainage layers. They must be protected from silt, sand, compost, mulch, etc.

PERMEABLE AND POROUS SURFACES (Item ref 01)	
Regular Maintenance	Frequency
Cleaning Brush regularly and remove sweepings from all hard surfaces	Monthly
Occasional Tasks	Frequency
Permeable Pavements. Brush and vacuum surface once a year to prevent silt blockage and enhance design life.	Annually
Remedial Work	Frequency
Monitor effectiveness of permeable pavement and when water does not infiltrate immediately advise Client of possible need for reinstatement of top layers or specialist cleaning. Recent experience suggests jet washing and suction cleaning will substantially reinstate pavement to 90% efficiency.	As required

Modular Crate System

- **Modular Crate System** is designed to provide storage capacity as well as allow run-off to flow through.

MODULAR CRATE SYSTEM (Item ref 02)	
Regular Maintenance	Frequency
Inspect and identify any areas that are not operating correctly. If required take remedial action.	Monthly for 3 months then annually
Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
Remove sediment from pre-treatment inlet structures and inspection chambers.	Annually or as required
Remedial Work	Frequency
Repair physical damage if necessary.	As required
Monitoring	Frequency
Inspect all inlets, outlets and vents to ensure that they are in good condition and operating as designed.	Annually
Survey inside of tanks for sediment build up and remove if necessary.	Every 5 years or as required

Surface Water Headwalls

- **Outlet Structures** such as headwalls in drainage ditch. They should be free from obstruction at all times to allow free flow through.

SURFACE WATER HEADWALLS (Item ref 03)	
Regular Maintenance	Frequency
Outlet Structures	
Inspect headwalls, removing obstructions and silt as necessary. Check there is no physical damage.	Monthly
Trim vegetation 1m min surround to structures and keep area free from silt and debris.	Monthly
Occasional maintenance	Frequency
Check topsoil levels are 20mm above edges of chambers to avoid mower damage	As necessary
Remedial Work	Frequency
Repair physical damage if necessary	As required

Above Ground Storage Tanks

- **The above ground storage tanks** are designed to store attenuation run-off and allow flows through.

ABOVE GROUND STORAGE TANKS (Item ref 04)	
Regular Maintenance	Frequency
Cleaning	
Inspect and clear outfall pipes to ensure free flowing.	Every 3 months
Occasional Tasks	Frequency
Inspect for damage.	Every 6 months

Hydrobrake Manhole

- **Hydrobrake Manhole** is used to restrict the surface water run-off to greenfield rates.

HYDROBRAKE MANHOLE (Item ref 05)	
Regular Maintenance	Frequency
Inspect and identify any areas that are not operating correctly. If required take remedial action.	Monthly for 3 months then annually
Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
Remove sediment from pre-treatment inlet structures and inspection chambers.	Annually or as required
Maintain vegetation to designed limits within the vicinity of below ground drainage pipes and tanks to avoid damage to system.	Monthly or as required

Remedial Work	Frequency
All damage to be made good if necessary.	As required
Monitoring	Frequency
Inspect the hydrobrake to ensure it is in good condition and working.	Every 3 months

Below ground drainage pipes

Below ground drainage pipes convey water to the SuDS system. They should be free from obstruction at all times to allow free flow.

BELOW GROUND DRAINAGE PIPES (Item ref 06)	
Regular Maintenance	Frequency
Inspect and identify any areas that are not operating correctly. If required take remedial action.	Monthly for 3 months then annually
Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
Remove sediment from pre-treatment inlet structures and inspection chambers.	Annually or as required
Maintain vegetation to designed limits within the vicinity of below ground drainage pipes and tanks to avoid damage to system.	Monthly or as required
Remedial Work	Frequency
Repair physical damage if necessary	As required
Monitoring	Frequency
Inspect all inlets, outlets and vents to ensure that they are in good condition and operating as designed.	Annually
Survey inside of pipe runs for sediment build up and remove if necessary.	Every 5 years or as required

Management Company

A management company will be set up for the residence which will maintain all the common areas on the site including the communal SuDS features. The management company will be funded by a charge to each of the properties which will pay for all maintenance and repairs to the features.

Spillage – Emergency Action

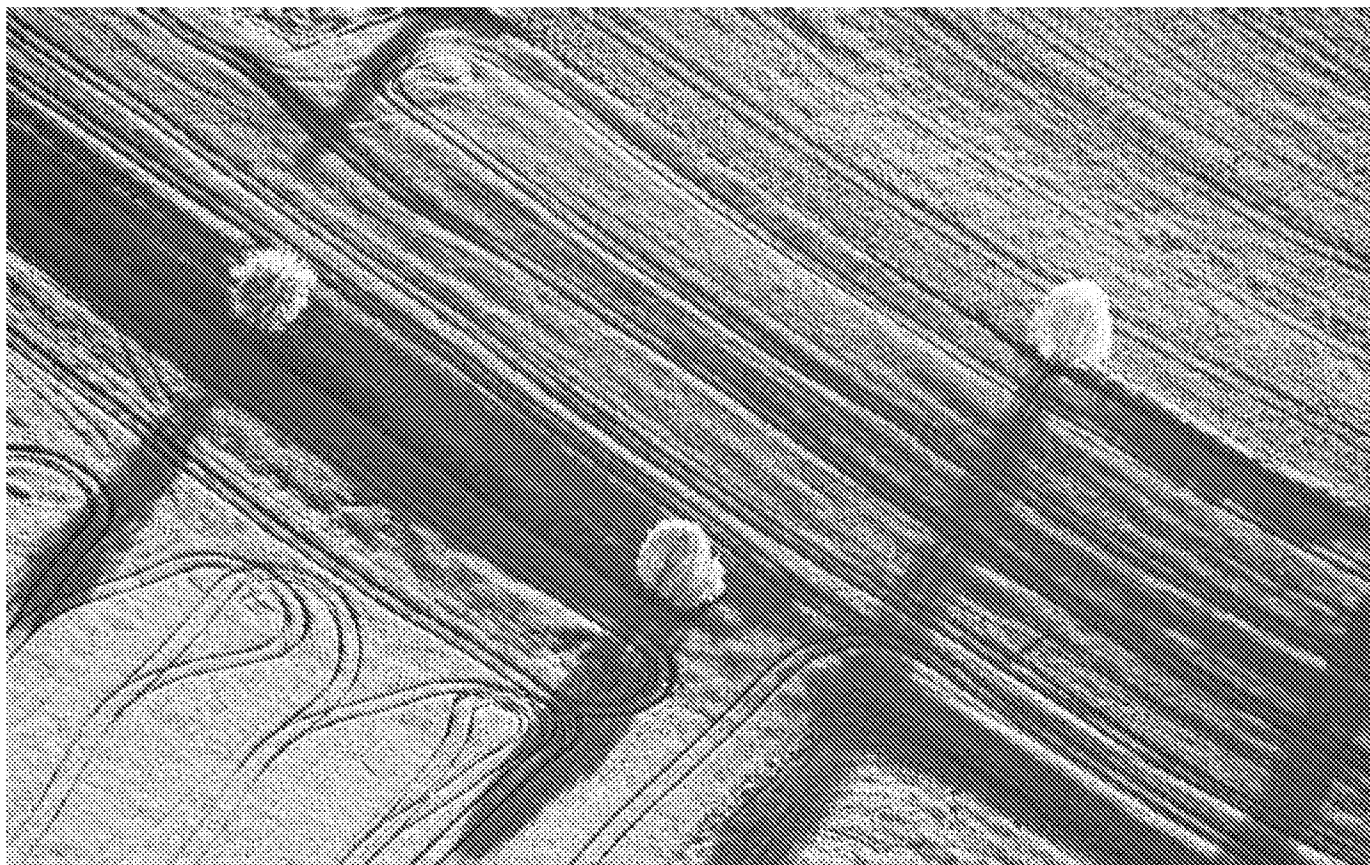
Most spillages on developments are of compounds that do not pose a serious risk to the environment if they enter the drainage in a slow and controlled manner with time available for natural breakdown in a treatment system. Therefore, small spillages of oil, milk or other known organic substances should be removed where possible using soak mats as recommended by the Environment Agency, with residual spillage allowed to bioremediate in the drainage system.

In the event of a serious spillage, either by volume or of unknown or toxic compounds, then isolate the spillage with soil, turf or fabric and block outlet pipes from chamber(s) downstream of the spillage with a bung(s). (A bung for blocking pipes may be made by wrapping soil or turf in a plastic sheet or closely woven fabric.)

Contact the Environment Agency immediately. Tel: 03708 506 506

APPENDIX 1

Sustainable Drainage Strategy from Planning Application



Oakford Homes Ltd

Ford Road, Arundel

Sustainable Drainage System (SuDS) Management Strategy

133309-R1(0)-FRA-Appendix M



**INVESTORS
IN PEOPLE**



MAY 2019



RSK GENERAL NOTES

Project No.: 133309-R1(0)-FRA-Appendix M

Title: Sustainable Drainage System (SuDS) Management Strategy

Client: Oakford Homes Ltd

Date: 29th May 2019

Office: RSK Land and Development Ltd, 18 Frogmore Road, Hemel Hempstead, Herts, HP3 9RT.

Status: Draft

Author	<u>Jemma Looney</u>	Technical reviewer	<u>Matthew Cheeseman</u>
---------------	---------------------	---------------------------	--------------------------

Date:	<u>29th May 2019</u>	Date:	<u>29th May 2019</u>
--------------	---------------------------------	--------------	---------------------------------

Project manager Jemma Looney

Date: 29th May 2019

RSK LDE Ltd (RSK) has prepared this report for the sole use of the client, showing reasonable skill and care, for the intended purposes as stated in the agreement under which this work was completed. The report may not be relied upon by any other party without the express agreement of the client and RSK. No other warranty, expressed or implied, is made as to the professional advice included in this report.

Where any data supplied by the client or from other sources have been used, it has been assumed that the information is correct. No responsibility can be accepted by RSK for inaccuracies in the data supplied by any other party. The conclusions and recommendations in this report are based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.

No part of this report may be copied or duplicated without the express permission of RSK and the party for whom it was prepared.

Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

This work has been undertaken in accordance with the quality management system of RSK LDE Ltd.

Oakford Homes Ltd
Ford Road, Arundel
Sustainable Drainage System (SuDS) Management Strategy
133309-R1(0)-FRA-Appendix M

CONTENTS

1	INTRODUCTION	3
2	MAINTENANCE RESPONSIBILITIES.....	4
3	MAINTENANCE REGIME.....	5
3.1	Storage Tanks	5
APPENDIX A INSPECTION CHECKLIST		6

1 INTRODUCTION

This management strategy has been prepared by RSK Land and Development Engineering Ltd on behalf of Oakford Homes Ltd, to satisfy planning conditions related to Ford Road, Arundel (The Development).

The SUDS considered for the purposes of this statement, include drainage features that will be employed to reduce and manage surface water runoff from the development to a design return period of One hundred years plus climate change. This is required so that The Development will not increase the risk of flooding to the site and its environs. All drainage on site is taken to the underlying strata via infiltration features. Such features include the following:

- Storage Tanks.

This document outlines the long term maintenance of the proposed surface water system and will make reference to the following documents, some of which provide further detail on the maintenance operations required:

- CIRIA Report C753, *'The SUDS Manual'*, 2015; and
- CIRIA Report C625, *'Model Agreements for Sustainable Water Management Systems'*, 2004.

2 MAINTENANCE RESPONSIBILITIES

Responsibility for drainage within England and Wales rests with various bodies. For The Development, the drainage responsibilities will be divided between the following:

- **Private Landowner** – each Householder will be responsible for the maintenance of drainage features within individual property curtilages.
- **Communal Areas** - A Management company will be set up for the Development to maintain all permeable paving, stormwater attenuation tanks, detention basins, outfalls and any associated flow controls within communal areas. However, it should be noted that if, the Flood and Water Management Act 2010 is ever fully implemented this allows a surface water drainage system to be vested to the SUDS approving body (SAB) in this case West Sussex County Council. This would be reviewed at the time of any implementation of the act.

3 MAINTENANCE REGIME

As the maintenance of the communal SUDS features will be carried out via a Management Company, the form of agreement should include the required maintenance listed below. Should the maintenance be transferred at a later date to a public body, then the model agreement SUDS MA1 should be used, details of which can be found in the CIRIA guidance C625.

The following section describes the required maintenance for each feature in turn. The SUDS maintenance requirements listed below should be reviewed after the first 5 years, with a view to agreeing a new regime for the ongoing maintenance.

Notwithstanding the routine inspections and maintenance requirements, after severe storm events all features shall be inspected to clear debris and repair damaged structures or features. Records of the maintenance carried out shall be prepared by the Management Company.

3.1 Storage Tanks

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Inspect and identify any areas that are not operating correctly. If required, take remedial action	Monthly for 3 months, the annually
	Remove debris from the catchment surface (where it may cause risks to performance)	Monthly
	For systems where rainfall infiltrates into the tank from above, check surface of filter for blockage by sediment, algae or other matter; remove and replace surface infiltration medium as necessary.	Annually
	Remove sediment from pre-treatment structures and/or internal forebays	Annually, or as required
Remedial actions	Repair/rehabilitate inlets, outlet, overflows and vents	As required
Monitoring	Inspect/check all inlets, outlets, vents and overflows to ensure that they are in good condition and operating as designed	Annually
	Survey inside of tank for sediment build-up and remove if necessary	Every 5 years or as required

APPENDIX A

INSPECTION CHECKLIST

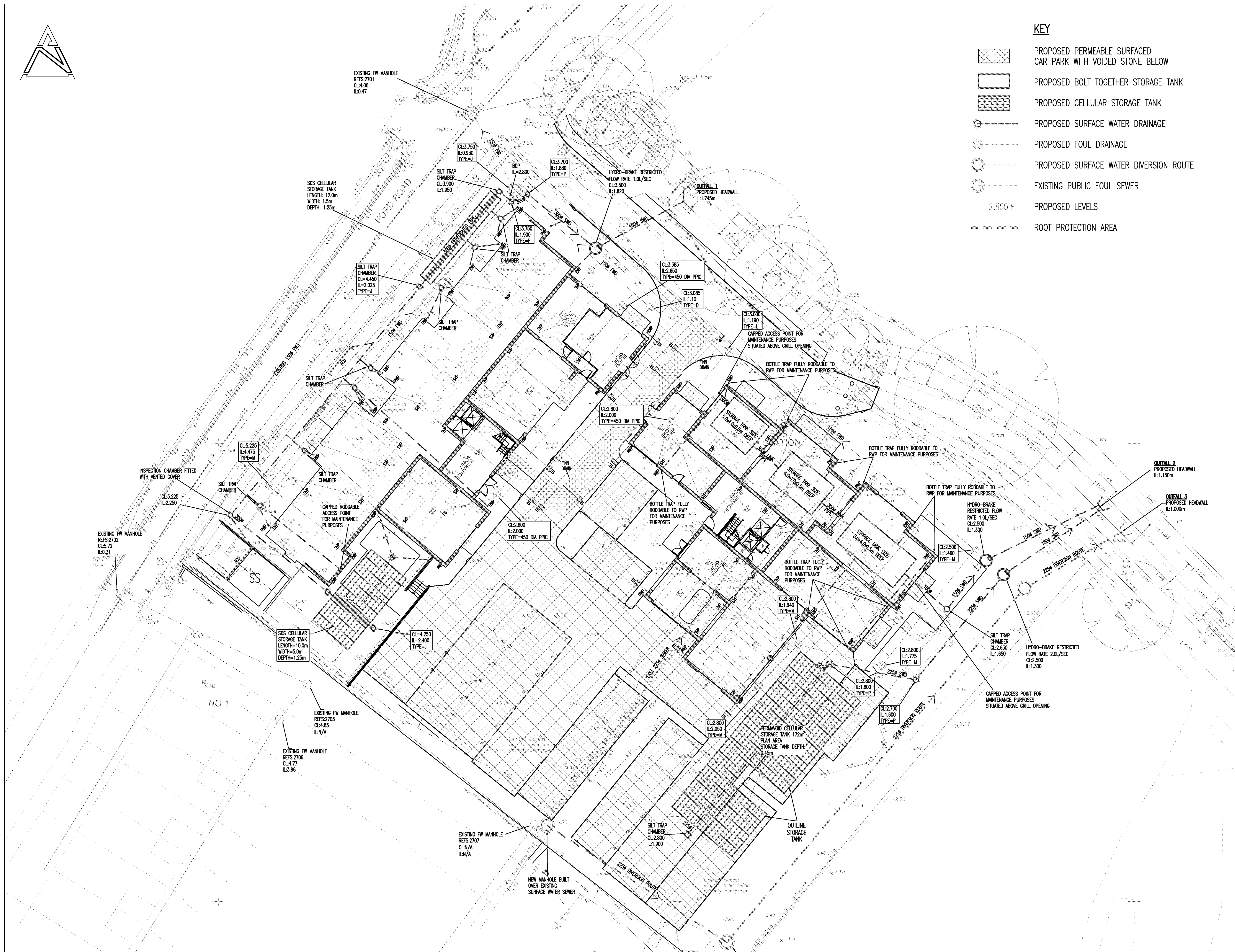
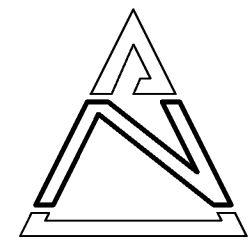
General information			
Site ID			
Site location and co-ordinates (GIS if appropriate)			
Elements forming the SuDS scheme		Approved drawing reference	
Inspection frequency		Approved specification reference	
Type of development		Specific purpose of any parts of the scheme (eg biodiversity, wildlife and visual aspects)	

Inspection Date	Details	Y/ N	Action required	Date completed	Details	Y/ N	Action required	Date completed
	Is there evidence of litter accumulation in the system? If yes, is this a blockage risk?							
	Is there any evidence of any other clogging or blockage of outlets or drainage paths?							
	Is the vegetation condition satisfactory (density, weed growth, coverage etc)? (check against approved planting regime)							
	Does any part of the system require weeding, pruning or mowing? (check against maintenance frequency state in approved design).							
	Is there any evidence of invasive species becoming established? If yes, state action required							
	Are any check dams or weirs in good condition?							
	Is there any evidence of any accidental damage to the system (eg wheel ruts?)							
	Is there any evidence of cross connections or other unauthorised inflows?							
	Is there any evidence of tampering with the flow control?							
	Are there any other matters that could affect the performance of the system in relation to the design objectives for hydraulic, water quality, biodiversity and visual aspects?							

Inspection Date	Details	Y/ N	Action required	Date completed	Details	Y/ N	Action required	Date completed
Other observations								
Information appended (eg photos)								
Continue as current								
Increase maintenance								
Decrease maintenance								
Proposed date for next inspection								

APPENDIX 2

Proposed Storm Water Drainage System



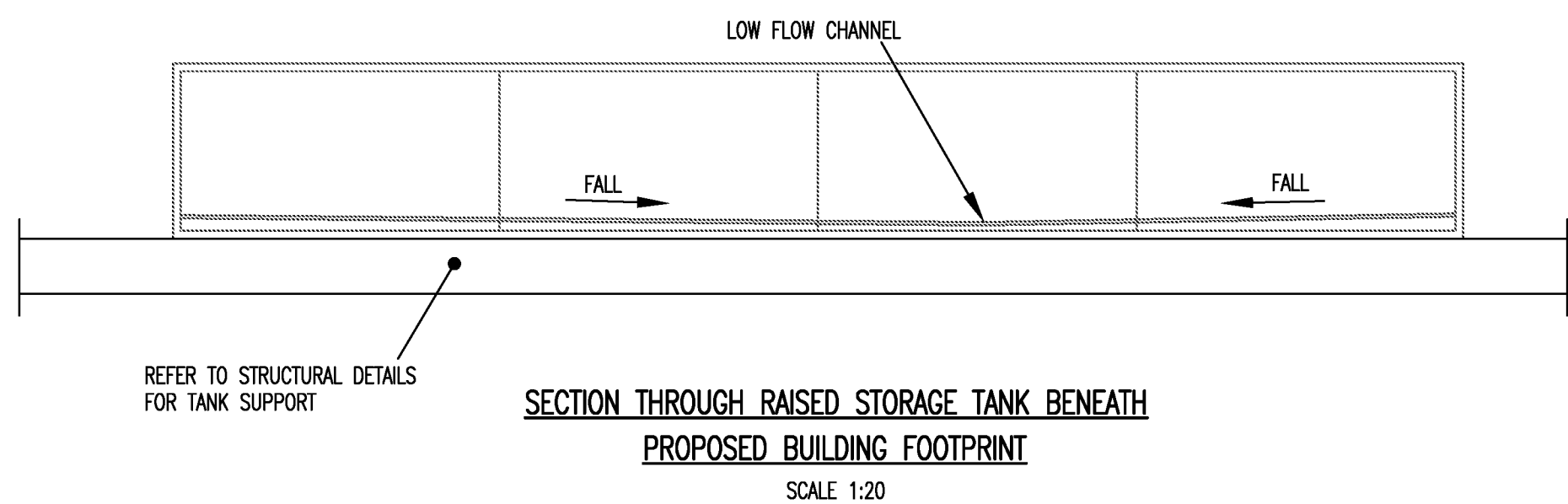
SURFACE WATER DRAINAGE PLAN
SCALE 1:200

KEY

- PROPOSED PERMEABLE SURFACED CAR PARK WITH VOIDED STONE BELOW
- PROPOSED BOLT TOGETHER STORAGE TANK
- PROPOSED CELLULAR STORAGE TANK
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DIVERSION ROUTE
- EXISTING PUBLIC FOUL SEWER
- PROPOSED LEVELS
- ROOT PROTECTION AREA

ALL PROPOSED INSPECTION CHAMBERS & MANHOLES THAT HAVE A COVER LEVEL LOWER THAN THAT OF THE FLOOD LEVEL OF 4.12m TO BE FITTED WITH A SEALED COVER.

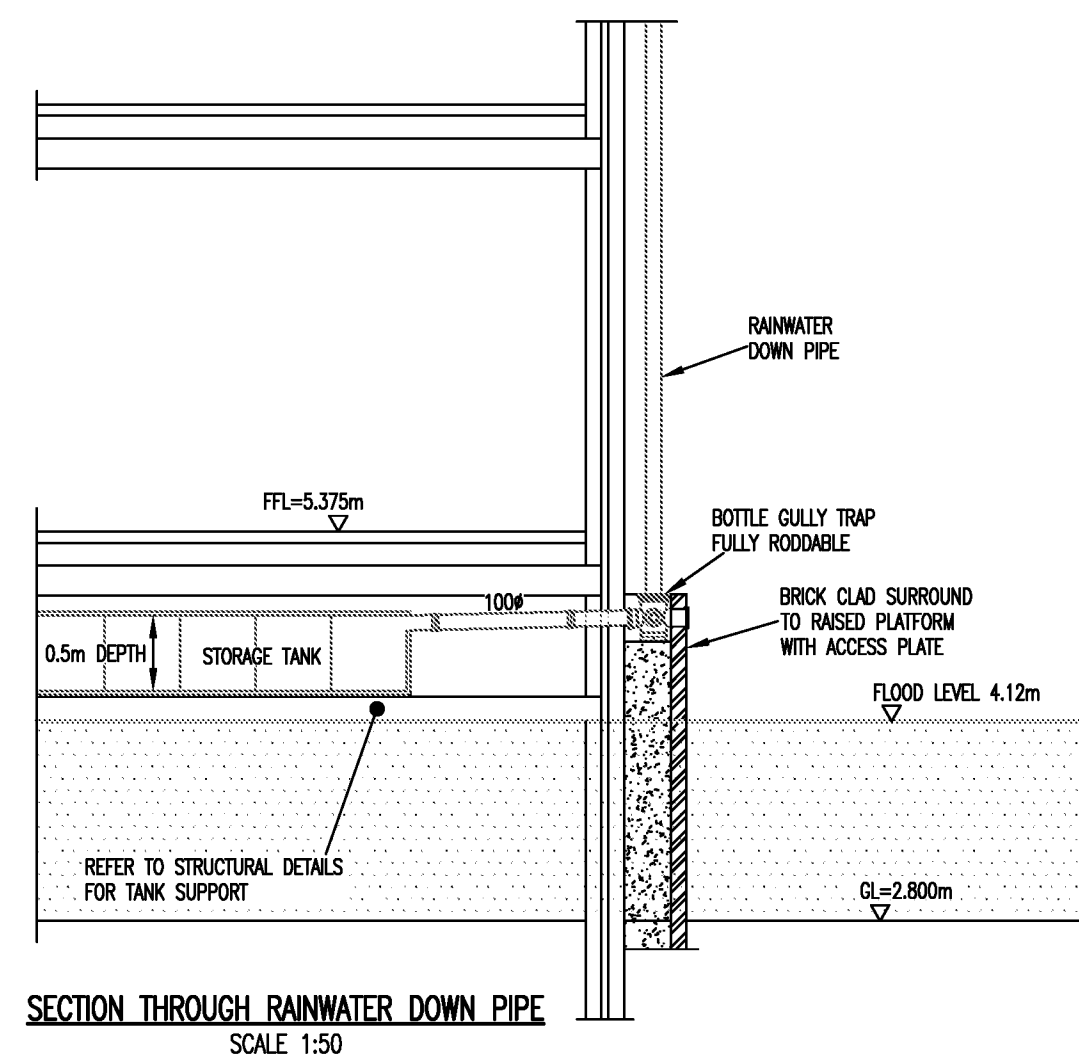
AN ADDITIONAL STORAGE VOLUME OF 164m³ IS PROVIDED WITHIN THE PERMEABLE PAVING SUB-BASE STORAGE STONE (30% VOID RATIO) BASED ON A DEPTH OF 400mm. THIS WILL HELP COMPENSATE FOR THE FLUVIAL FLOOD WATER



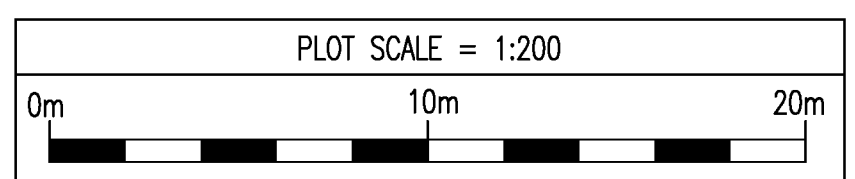
ANVILLE ABBREVIATIONS

- U Air Conditioning Unit
- IRS Insulated Road Sign
- Access Ladder
- KO Kerb Outlet
- Assumed Route
- LB Litter Bin

SECTION THROUGH RAISED STORAGE TANKS BENEATH PROPOSED BUILDING FOOTPRINT
SCALE 1:50



NOTES
1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S DRAWINGS. ANY DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON THIS OR ANY OTHER DRAWING SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND PRIOR TO ANY WORKS COMMENCING ON SITE.



P1	APR 22	PLANNING CONDITION SUBMISSION	RT
REV	DATE	DESCRIPTION	BY
001			OK
PLANNING			
This drawing is the property and copyright of the Consulting Engineer and shall not without their written consent be communicated to a third party.			
CLIENT			

OAKFORD HOMES

FORD ROAD, ARUNDEL

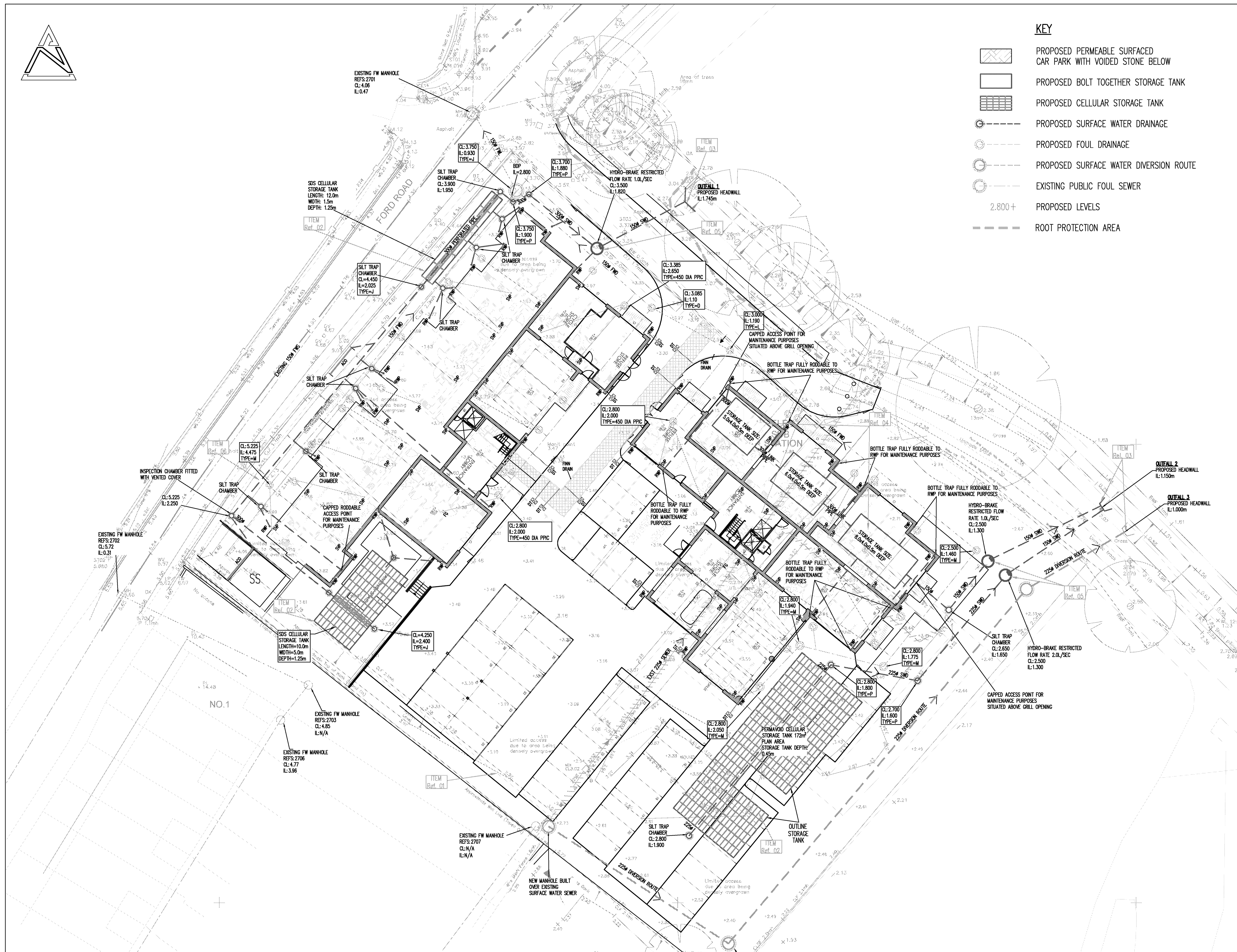
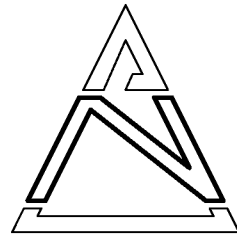
SW Drainage Strategy Plan & Drainage Construction Details

SDP CONSULTING ENGINEERS
Head Office: Suite 3, Solar House, Campheld Road, St Albans, Hertfordshire, AL1 1HT
Tel: 01727 848606, Fax: 01727 830773, Email: mail@sdpec.co.uk
Southern Office: 21a Burgess, Christchurch, Dorset, BH23 1QD
Tel: 01727 848606, Fax: 01202 490641, Email: sdpsouth@sdpec.co.uk

SCALE 1:200	DRAWN NJ	DATE Feb 20
CHECKED NG	REVISION	
DRAWING NO. OAK097_1000	SDP DRAWING NO. E19-003-1000	REV. P1

APPENDIX 3

Surface Water Drainage Maintenance Plan

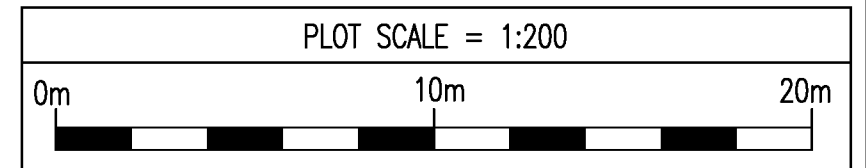


KEY

- PROPOSED PERMEABLE SURFACED CAR PARK WITH VOIDED STONE BELOW
- PROPOSED BOLT TOGETHER STORAGE TANK
- PROPOSED CELLULAR STORAGE TANK
- PROPOSED SURFACE WATER DRAINAGE
- PROPOSED FOUL DRAINAGE
- PROPOSED SURFACE WATER DIVERSION ROUTE
- EXISTING PUBLIC FOUL SEWER
- PROPOSED LEVELS
- ROOT PROTECTION AREA

NOTES

1. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEER'S DRAWINGS. ANY DISCREPANCIES FOUND BETWEEN INFORMATION SHOWN ON THIS OR ANY OTHER DRAWING SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY AND PRIOR TO ANY WORKS COMMENCING ON SITE.



AutoCAD.DWG VERSIONS OF THIS DRAWING NEED TO BE PRINTED USING THE SDP-STANDARD CTB FILE FOR CLARITY.

REV	DATE	DESCRIPTION	BY	CHK
P1	APR 22	PLANNING CONDITION SUBMISSION	RT	

STATUS

PLANNING

This drawing is the property and copyright of the Consulting Engineer and shall not without written consent be communicated to a third party.

CLIENT
O OAKFORD HOMES

SITE
FORD ROAD, ARUNDEL

TITLE
SURFACE WATER DRAINAGE MAINTENANCE PLAN

SDP
CONSULTING ENGINEERS
Head Office, Suite 3, Salar House, Campfield Road, St Albans, Hertfordshire, AL1 5HT
Tel: 01727 844606, Fax: 01727 830771
Email: mail@sdpc.co.uk
Southern Office, 21a Bargates, Christchurch, Dorset, BH23 1QD
Tel: 01727 844606, Fax: 01202 490601
Email: sdpsouth@sdpc.co.uk

SCALE 1:200 @ A1	DRAWN AJV CHECKED —	DATE APR 22 PASSED —
DRAWING NO. OAK097_1003	SDP DRAWING NO. E19-003-1003	REV. P1

ALL PROPOSED INSPECTION CHAMBERS & MANHOLES THAT HAVE A COVER LEVEL LOWER THAN THAT OF THE FLOOD LEVEL OF 4.12m TO BE FITTED WITH A SEALED COVER.

AN ADDITIONAL STORAGE VOLUME OF 164m³ IS PROVIDED WITHIN THE PERMEABLE PAVING SUB-BASE STORAGE STONE (30% VOID RATIO) BASED ON A DEPTH OF 400mm. THIS WILL HELP COMPENSATE FOR THE FLUVIAL FLOOD WATER

APPENDIX 4

SuDS Maintenance Inspection Checklist

C753 The SuDS Manual

Appendix B: Maintenance inspection checklist

E19-003 Ford Road Arundel - SuDS maintenance inspection checklist (Table B25)			
General information			
Site ID			
Site location and co-ordination (GIS if appropriate)			
Elements forming the SuDS scheme		Approved drawing reference(s)	
Inspection frequency		Approved specification reference	
Type of development		Specific purpose of any parts of the scheme (eg biodiversity, wildlife and visual aspects)	

C753 The SuDS Manual

Appendix B: Maintenance inspection checklist

Inspection date								
	Details	Y/N	Action required	Date Completed	Details	Y/N	Action required	Date Completed
General inspection items								
Is there any evidence of erosion, channelling, ponding (where not desirable) or other poor hydraulic performance?			Inspect drainage features to ensure there are no blockages, check to ensure regular maintenance has been carried out, notify the developer and report findings.					
Is there any evidence of accidental spillages, oils, poor water quality, odours or nuisance insects?			Small spillages of known organic substances to be removed with soak mats. For serious spillages of unknown or toxic compounds contact the EA immediately					
Have any health and safety risks been identified to either the public or maintenance operatives?			Make area safe, provide developer with details of risks to allow for appropriate action to be taken.					
Is there any deterioration in the surface of permeable or porous surfaces (eg rutting, spreading of blocks or signs of ponding water)?			Check to ensure regular maintenance has been carried out, report findings to the developer for further investigation.					

C753 The SuDS Manual

Appendix B: Maintenance inspection checklist

Silt/sediment accumulation								
Is there any sediment accumulation at inlets (or other defined accumulation zones such as the surface of filter drains or infiltration basins and within proprietary devices)? If yes, state depth (mm) and extent. Is removal required? If yes, state waste disposal requirements and confirm that all waste management requirements have been complied with (consult environment regulator)			If yes remove silt -refer to SuDS maintenance plan for silt /sediment removal method for specific drainage feature					
Is surface clogging visible (potentially problematic where water has to soak into the underlying construction or ground (e.g. under drained swale or infiltration basin)?			If yes carry out silt removal and de-compaction by scarifying and spiking - refer to SuDS maintenance plan.					
Does permeable or porous surfacing require sweeping to remove silt?			If yes sweep the permeable paving and vacuum if necessary to remove silts.					
System blockages and litter build-up								
Is there evidence of litter accumulation in the system? If yes, is this a blockage risk?			Remove litter and build up and any debris from drainage feature and catchment areas. Ensure pipes are unrestricted and free flowing					
Is there any evidence of any other clogging or blockage of outlets or drainage paths?			If yes, check regular maintenance has been carried out and is up to date. Remove any visible blockages. Arrange for survey to be carried out if required.					
Vegetation								
Is the vegetation condition satisfactory (density, weed growth, coverage etc)? Check against approved planting regime)			Continue with scheduled maintenance					

C753 The SuDS Manual

Appendix B: Maintenance inspection checklist

Does any part of the system require weeding, pruning or mowing? (Check against maintenance frequency stated in approved design.)			If yes check maintenance plan for details and frequency of grass cutting and weeding requirements					
Is there any evidence of invasive species becoming established? If yes, state action required.			If yes inform developer to arrange further assessment					
Infrastructure								
Are any check dams or weirs in good condition?			N/A					
Is there evidence of any accidental damage to the system (eg wheel ruts?)			If yes report findings to the developer for further assessment					
Is there any evidence of cross connections or other unauthorised inflows?			If yes report findings to the developer for further assessment					
Is there any evidence of tampering with the flow controls?			N/A					
Are there any other matters that could affect the performance of the system in relation to the design objectives for hydraulic, water quality, biodiversity and visual aspects? (Specify)			If yes report findings to the developer for further assessment					
Other observations								
Information appended (eg photos)								
Suitability of current maintenance regime								
Continue as current increase maintenance Decrease maintenance.			If current maintenance regime is found unsuitable, provide information to the developer to enable maintenance plan to be reassessed.					
Next Inspection								
Proposed date for next inspection								