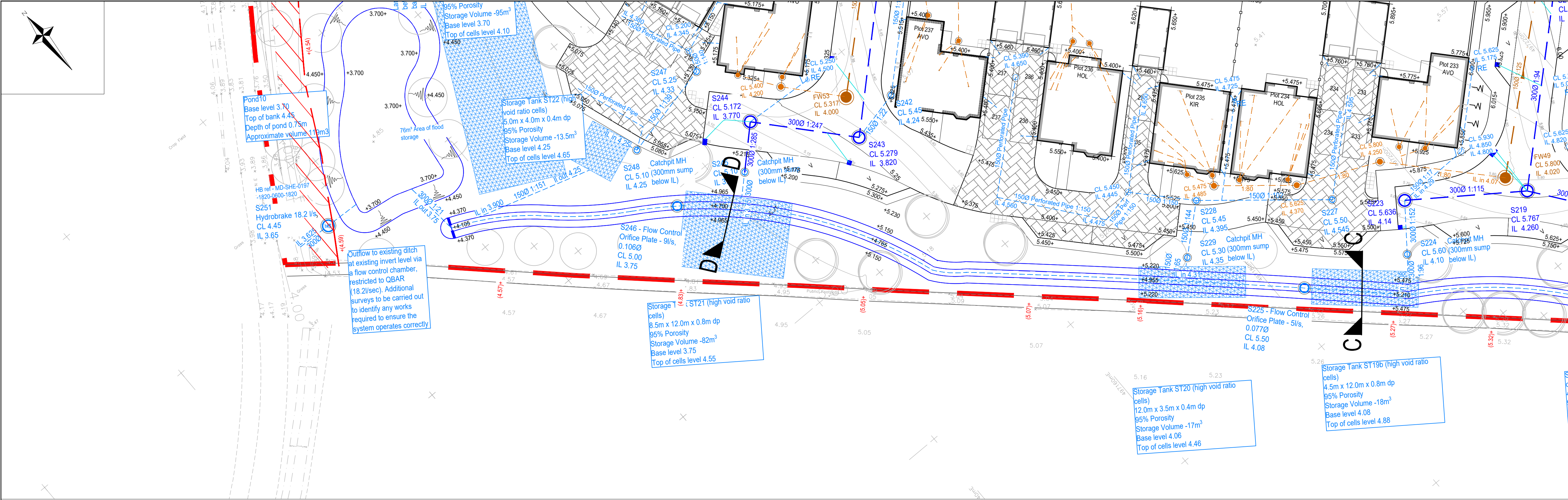




CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

Abnormal or unusual residual risks associated with the design outcomes shown on this drawing are:-

1. There will be deep excavations for structures and drainage systems. This is a high risk, high severity hazard. The contractor should provide protection and support in accordance with health and safety legislation. It is known that the groundwater is shallow in winter months, care to be taken to prevent collapse of the excavation.

2. Live Services - risks to contractor's personnel - Seek written confirmation from Statutory Authority and/or Building/estate owner that all live services - especially electricity services - have been disconnected or diverted prior to construction. If any services are to remain live during the construction work, ensure that the locations of these are identified and clearly marked. All operatives are to be made aware of their presence. Employ hand digging near/adjacent to any known live services. This includes, but is not limited to, services located in Drove Lane and the B2233.

RSK LDE LTD has followed its Design Risk Management process for Hazard Elimination and Risk reduction in developing the designs shown on this drawing.

Abnormal or unusual residual risks may be shown above where it is considered that such risk may not normally be expected by competent persons engaged on work of this nature or type.

Notes:

1. This drawing presents the SuDS feature specific setting out and details for the proposed development at Drove Lane, Yapton. It details the lining requirements to prevent egress of surface water run-off from the proposed drainage network or ingress of groundwater into the proposed drainage network due to being located within the peak groundwater levels.

2. This drawing should be read in conjunction with the "RSK report 133981-R01 - Attenuation Basins - Design Calculation Report For Mitigation Measures Against Buoyancy Force" and drawing from CIV-1-4080 SuDS Feature Liner Layout.

3. This drawing is to be read in conjunction with all relevant Engineer's and Architect's drawings and specifications.

4. This drawing is to be printed in COLOUR.

5. For Site Drainage Layout refer to RSK drawings CIV-1-4024 to 4027

6. For Drainage Construction Details refer to RSK drawing CIV-1-4018 to CIV-1-4022.

7. Figures quoted next to manholes / rodding eyes are cover & invert level, in Metres AOD.

8. All drainage design is subject to technical approval, no connections shall be made to any public sewers without written consent from the drainage authority.

9. All high void ratio attenuation units to be installed strictly in accordance with manufacturer's requirements.

10. All adoptable drainage to be constructed in conjunction with Design and Construction Guidance (Water UK).

C	22.12.2021	Issued for LLFA approval. Updated to suit LLFA comments.	CPM	AM	
B	14.12.2021	Issued for LLFA approval. Updated to suit LLFA comments.	AM	AM	
A	06.12.2021	Issued for LLFA approval	JC	AM	
Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

LAND & DEVELOPMENT ENGINEERING LTD

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP5 9RT
United Kingdom

Tel: +44 (0) 1442 437500
Fax: +44 (0) 1442 437550
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client

BARRATT HOMES

built around you

DAVID WILSON HOMES

Project Title

DROVE LANE,
YAPTON

Status

PRELIMINARY

Drawing Title

ENHANCED SWALE 5 SETTING
OUT AND DETAILS
SHEET 4 OF 4

Drawn

Date

JC

06.12.2021

Checked

Date

AM

06.12.2021

Approved

Date

Scale

1:250

Orig Size

A1

Dimensions

Metres

Project No.

133981

Drawing File

CIV-1-4092-4095_Enhanced Swale 5 Setting Out and Details.dwg

Drawing No.

CIV-1-4095

Rev.

C

Scale 1:250

0 2.5 5 7.5 10 12.5m

Finish to dry swale to landscape architects details.

2400

GROUND LEVEL

Permeable Geotextile surround granular passage in base of swale

800

BASE LEVEL 4.70

1:3

1:3

Impermeable membrane to completely surround granular fill of enhanced swale or cellular storage except for granular passage from swale top which will be a Permeable geotextile to allow ingress of surface water from swale top. Protective fleece to be placed over the geotextile wrap prior to backfilling and surrounding with granular material. Permeable geotextile to also wrap top of cellular storage to prevent granular material from falling into voids.

Landflex AS 1.20mm impermeable geomembrane with Landflex G3000CBR protective fleece wrapped

Landflex G3000CBR protective fleece over geomembrane

300mm Ø perforated pipe (indicative location within enhanced swale).

BASE LEVEL 3.75

600

Type B (SFHW) granular fill.

Enhanced Swale 5
Section D-D
Scale 10:1

Drainage Key

1500 1:100

1.001

Proposed Adoptable Surface Water Sewer

1500 1:100

1.001

Surface Water Gully & Connection

1500 1:100

1.001

Proposed Private Surface Water Sewer

RE

Rodding Eye

Permeable Block Paving

Below Ground Storage Tank

1500 1:100

1.001

Proposed Adoptable Foul Water Sewer

1500 1:100

1.001

Proposed Private Foul Water Sewer

6.750+

Proposed Level

Site Boundary

Site Location Plan

Scale: 1:5000

APRAN DISTRICT COUNCIL 19862500C