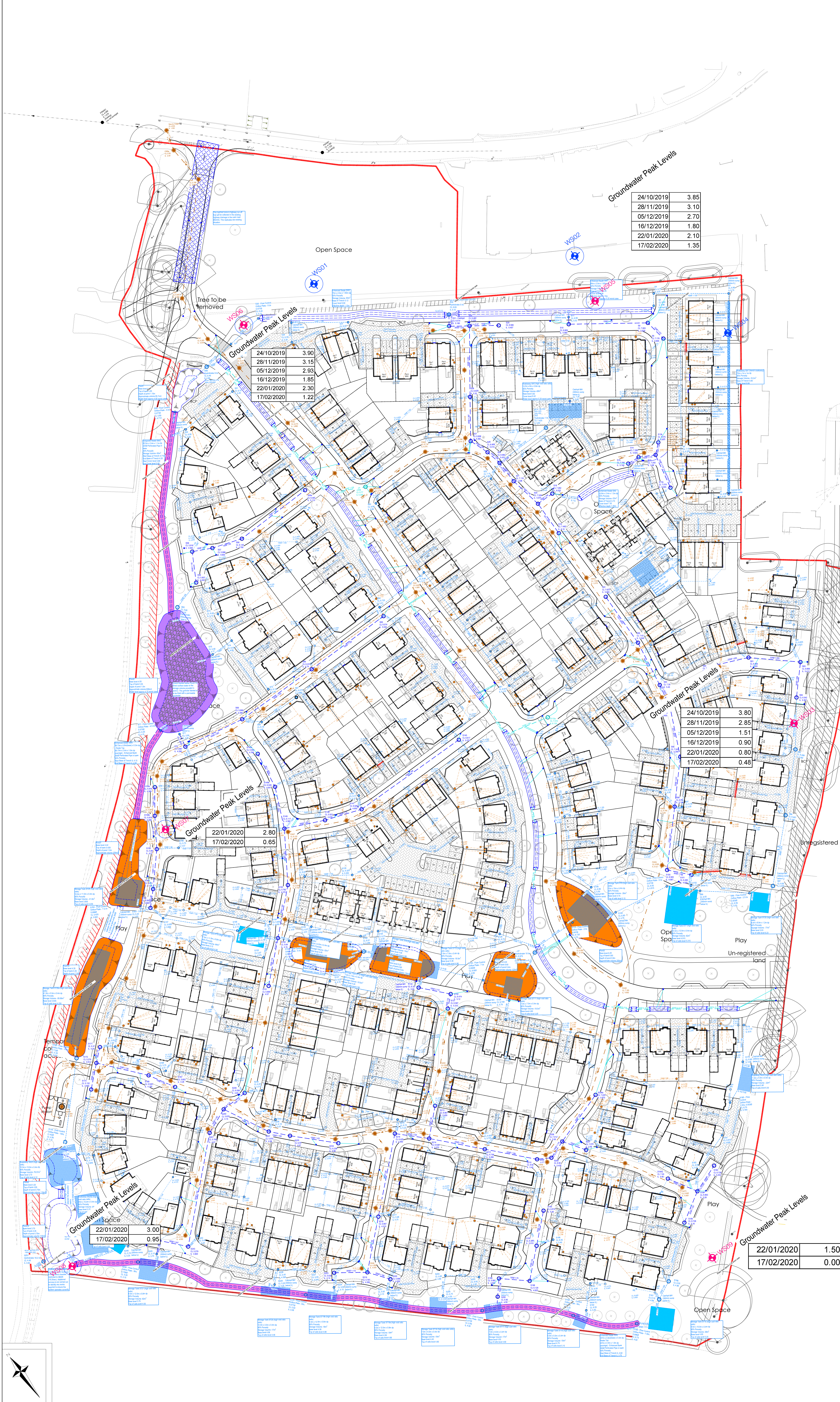




Groundwater Peak Levels	
24/10/2019	3.85
28/11/2019	3.10
05/12/2019	2.70
16/12/2019	1.80
22/01/2020	2.10
17/02/2020	1.35

Groundwater Peak Levels	
24/10/2019	3.90
28/11/2019	3.15
05/12/2019	2.93
16/12/2019	1.85
22/01/2020	2.30
17/02/2020	1.22

Groundwater Peak Levels	
24/10/2019	3.80
28/11/2019	2.85
05/12/2019	1.51
16/12/2019	0.90
22/01/2020	0.80
17/02/2020	0.48

Groundwater Peak Levels	
22/01/2020	2.80
17/02/2020	0.65

Groundwater Peak Levels	
22/01/2020	3.00
17/02/2020	0.95

Groundwater Peak Levels	
22/01/2020	1.50
17/02/2020	0.00

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

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

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 Liner Layout for the proposed development at Drove Lane, Yapton. It details the SuDS features that will be the subject to lining with an impermeable membrane 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 133981-401 - Attenuation Basis - Design Calculation Report For Mitigation Measures Against Runoff Force' and all drawings from CIV-1-4081 to 4085 for liner details and flotation mitigation measures for each SuDS Feature highlighted on this 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).

Legend

Site Boundary

Pond - Refer to drawing CIV-1-4081 for setting out and details.

Pond and Storage Tank - Refer to drawings CIV-1-4082-4087 for setting out and details.

Storage Tank - Refer to drawings CIV-1-4088 for setting out and details.

Enhanced Swale - Refer to drawings CIV-1-4089-4091.

Drainage Key

1500 1:100

Proposed Adoptable Surface Water Sewer

Adoptable Surface Water Manhole

Adoptable Surface Water Type 3 Inspection Chamber

1500 1:100

Proposed Adoptable Highway Drain

Adoptable Highway Drain Manhole

Surface Water Gully & Connection

Proposed Private Surface Water Sewer

Private Surface Water Manhole

Private Surface Water Type 3 Inspection Chamber

Private Surface Water Type 2 Inspection Chamber

Rodding Eye

Rain Water Pipe Position

Yard Gully

Linear Drainage Channel

Permeable Block Paving

Below Ground Storage Tank

Existing Foul Water Sewer

1500 1:100

Proposed Adoptable Foul Water Sewer

Adoptable Foul Water Manhole

Adoptable Foul Water Type 3 Inspection Chamber

Proposed Private Foul Water Sewer

Private Foul Water Manhole

Private Foul Water Type 3 Inspection Chamber

Private Foul Water Type 2 Inspection Chamber

Private Foul Water 2500mm Inspection Chamber

Soil Vent Pipe Position

Foul Water Gully

Proposed Foul Rising Water Main

Site Boundary

A

06/12/2021

Issued for LFA Approval

JC

AM

Rev.

Date

Amendment

Drawn

Chkd.

Appt.

RSK

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Client

BARRATT

Build around you

DAVID WILSON HOMES

Project Title

DROVE LANE,
YAPTON

Status

PRELIMINARY

Drawing Title

DRAINAGE SuDS FEATURE
LINER LAYOUT

Drawn

Date

Checked

Date

Approved

Date

JC

26.11.2021

AM

26.11.2021

Scale

1:500

Orig Size

A0

Dimensions

Metres

Project No.

133981

Drawing File

CIV-1-4080-SuDS Feature Liner Layout.dwg

Drawing No.

CIV-1-4080

Rev.

A

Scale 1:500

0 5 10 15 20 25m

