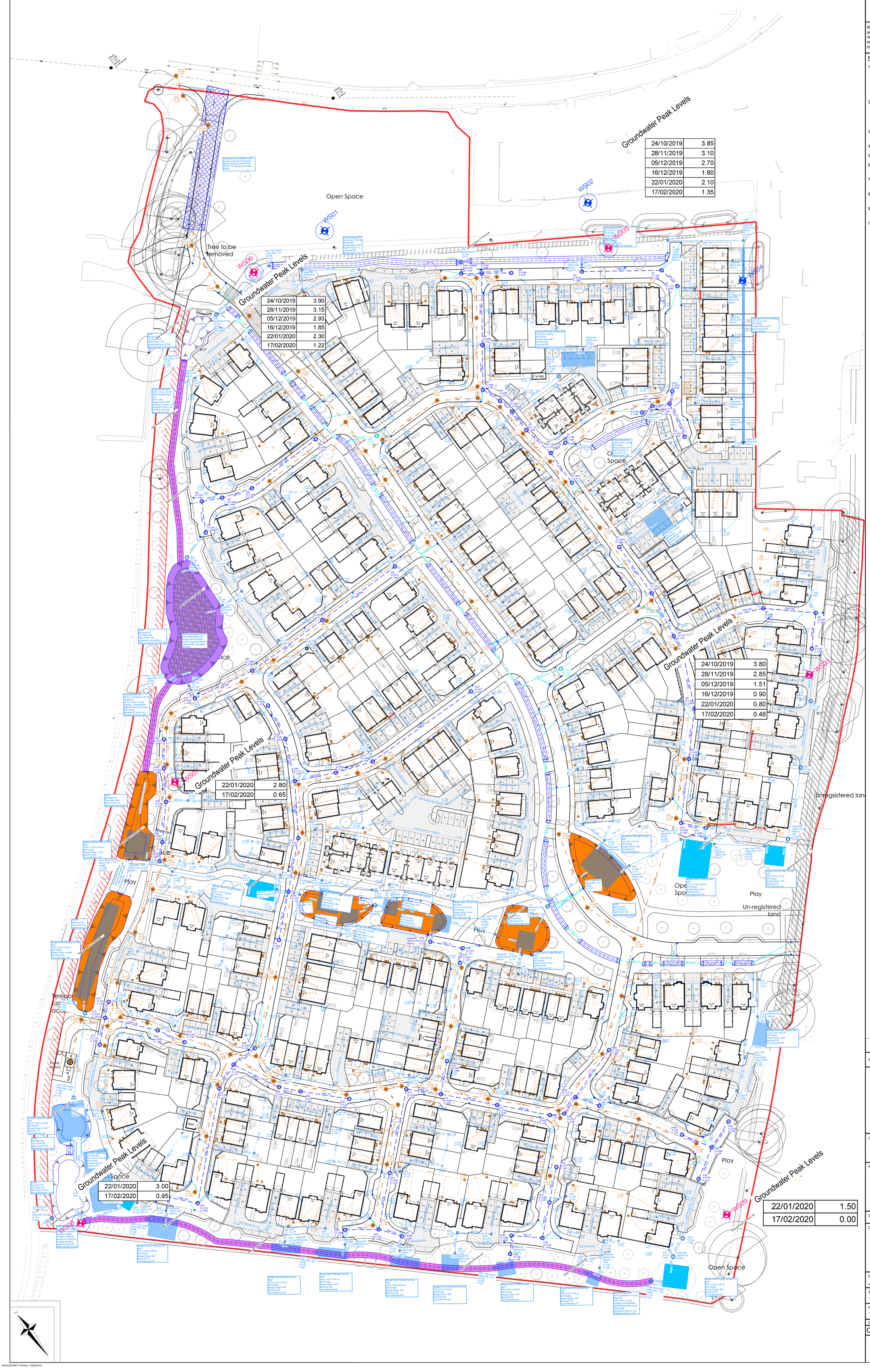

CIVIL / STRUCTURAL DESIGN RISK MANAGEMENT

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-R01 - Attenuation Basins - Design Calculation Report For Mitigation Measures Against Buoyancy Force" and all drawings from CIV-1-4081 to 4095 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

- 150Ø 1:100 1.001 — Proposed Adoptable Surface Water Sewer
- Adoptable Surface Water Manhole
- Adoptable Surface Water Type 3 Inspection Chamber
- 150Ø 1:100 1.001 — Proposed Adoptable Highway Drain
- Adoptable Highway Drain Manhole
- Surface Water Gully & Connection
- 150Ø 1:100 1.001 — 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
- (150Ø 1:100) — Existing Foul Water Sewer
- 150Ø 1:100 1.001 — Proposed Adoptable Foul Water Sewer
- Adoptable Foul Water Manhole
- Adoptable Foul Water Type 3 Inspection Chamber
- 150Ø 1:100 1.001 — 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 250Ømm Inspection Chamber
- Soil Vent Pipe Position
- Foul Water Gully
- Proposed Foul Rising Water Main
- Site Boundary

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
A	06.12.2021	Issued for LLFA Approval	JC	AM	

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Client: BARRATT HOMES built 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	Orig Size	Dimensions
1:500	A0	Metres

Project No.	Drawing File
133981	CIV-1-4080-SuDS Feature Liner Layout.dwg

Drawing No.	Rev.
CIV-1-4080	A

Scale 1:500
0 5 10 15 20 25m