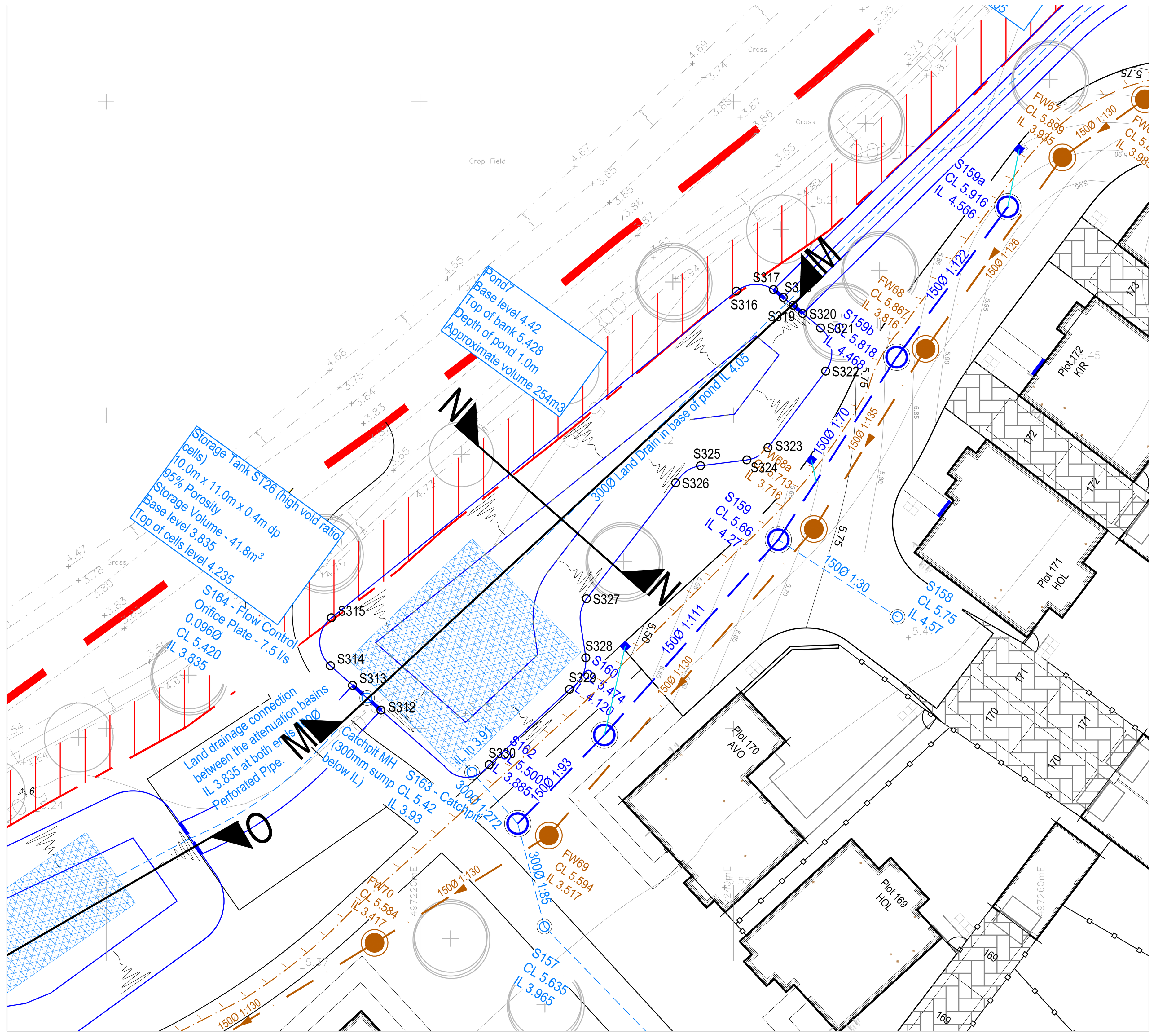
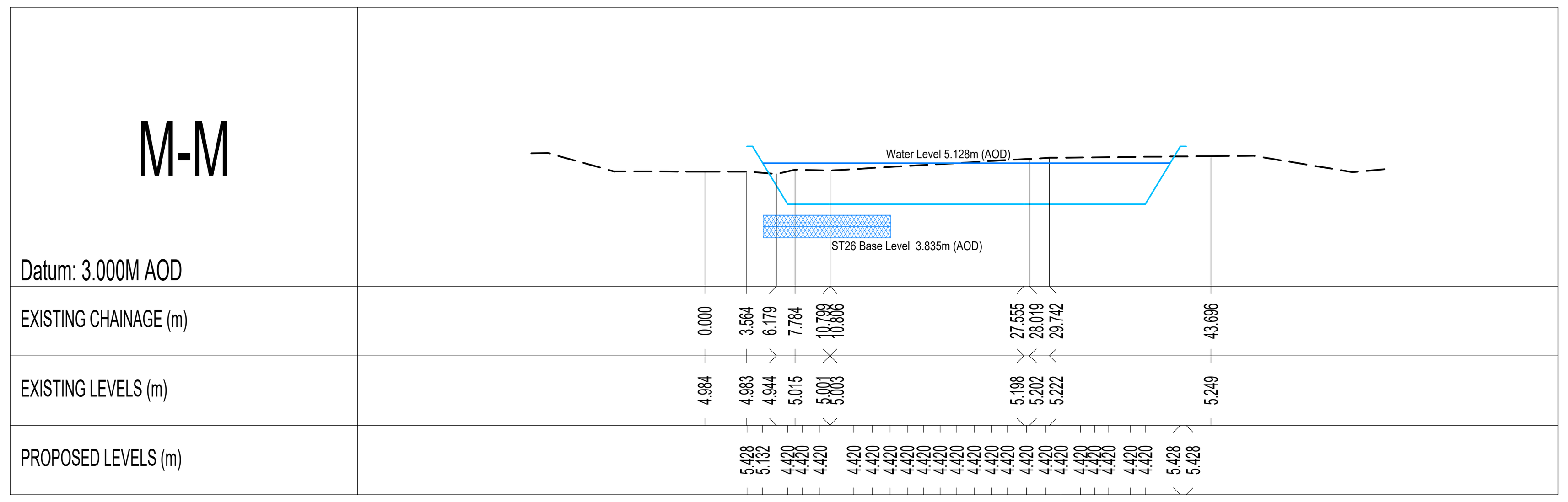


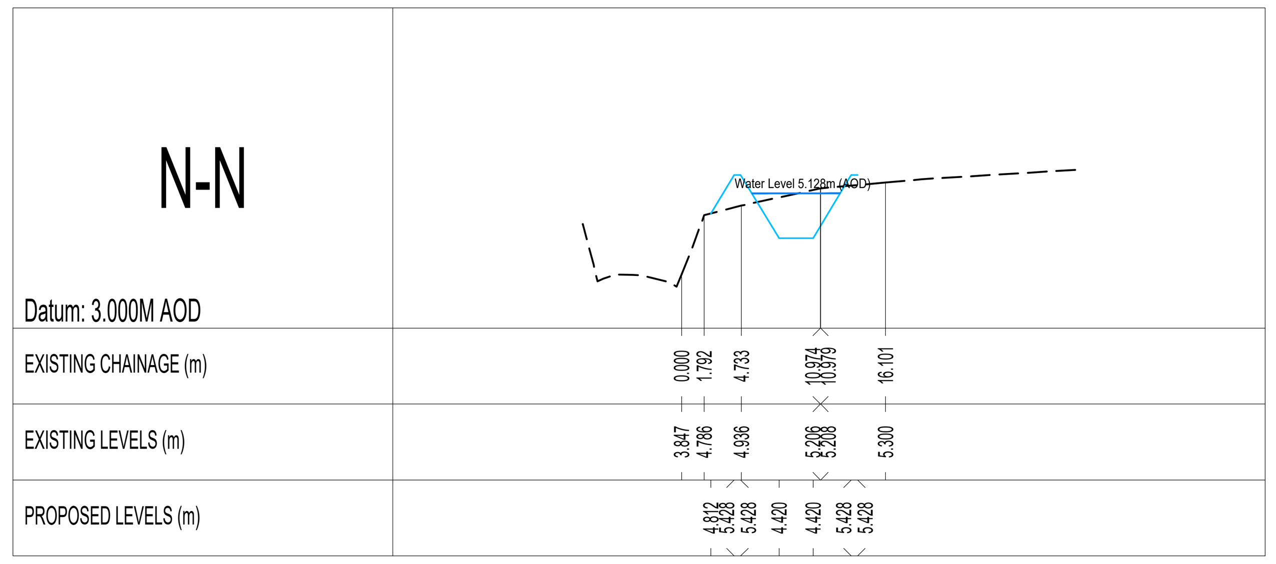
Drainage Key

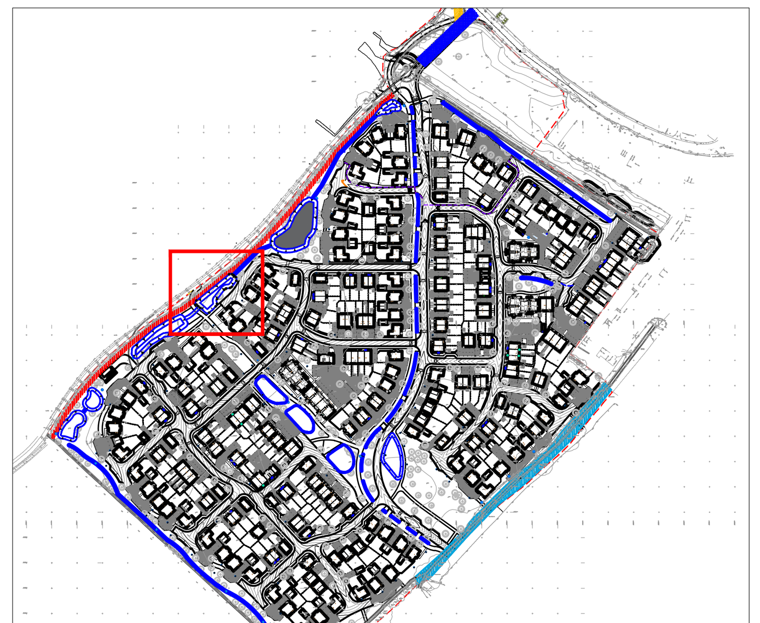
Symbol	Description
150Ø 1:100 / 1.001	Proposed Adoptable Surface Water Sewer
G	Surface Water Gully & Connection
150Ø 1:100 / 1.001	Proposed Private Surface Water Sewer
RE	Rodding Eye
	Permeable Block Paving
	Below Ground Storage Tank
150Ø 1:100 / 1.001	Proposed Adoptable Foul Water Sewer
150Ø 1:100 / 1.001	Proposed Private Foul Water Sewer
	Site Boundary

Section M-M
Scale: 1:500

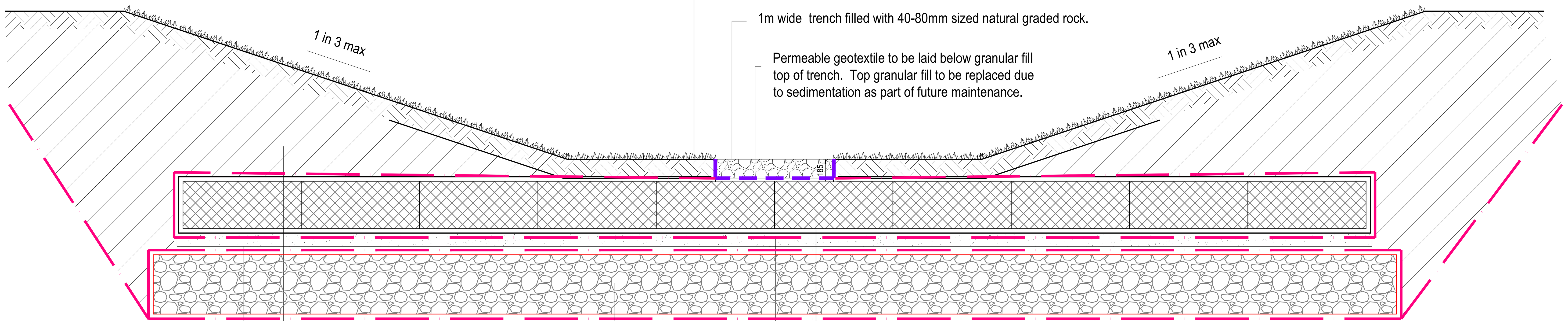


Section N-N
Scale: 1:500





Site Location Plan
Scale: 1:5000



150mm Grassed / turfed layer to Landscape Architects details

1m wide trench filled with 40-80mm sized natural graded rock.

Permeable geotextile to be laid below granular fill top of trench. Top granular fill to be replaced due to sedimentation as part of future maintenance.

500mm thick granular blanket

Granular blanket wrapped in geotextile liner (Landflex AS 1.20mm)

Suitable (stone free) excavated material to be used as backfill.

Geocellular units (1 x 0.5 x 0.4m Dp) with a minimum 95% void ratio, to form below ground attenuation tank. Aquacell (Core-R) units or equally approved. To be installed and vented strictly in accordance with the manufacturers recommendations.

Minimum 100mm thick sand bedding course to be laid over sub-formation, with Landflex G3000CBR protective geotextile installed above bedding course.

Impermeable membrane (Landflex AS 1.20mm) to completely surround geocellular units except for granular passage to/from pond/basin. Protective fleece to be placed over the geotextile wrap prior to backfilling and surrounding with granular material. Refer to table for details on which SuDS features will be wrapped with impermeable membrane instead of permeable geotextile.

Geocellular Storage Below Detention Basin Pond 7

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/site 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).

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
D	04.01.2022	Issued for LLFA approval. Updated to suit LLFA comments.	AM	AM	
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	

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Web: www.rsk.co.uk

Client
BARRATT HOMES built around you
DAVID WILSON HOMES

Project Title
DROVE LANE, YAPTON

Status
PRELIMINARY

Drawing Title
POND 7 BASIN SETTING OUT AND DETAILS

Drawn	Date	Checked	Date	Approved	Date
JC	06.12.2021	AM	06.12.2021		

Scale	Orig Size	Dimensions
1:250	A1	Metres

Project No.	Drawing File
133981	CIV-1-4086_Pond 7 Basin Setting Out and Details.dwg

Drawing No.	Rev.
CIV-1-4086	D

Scale 1:250
0 2.5 5 7.5 10 12.5m

ARUN DISTRICT COUNCIL Y/185/21/DOC