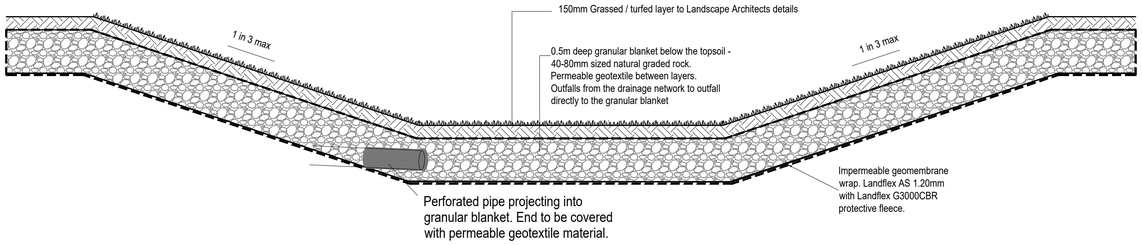
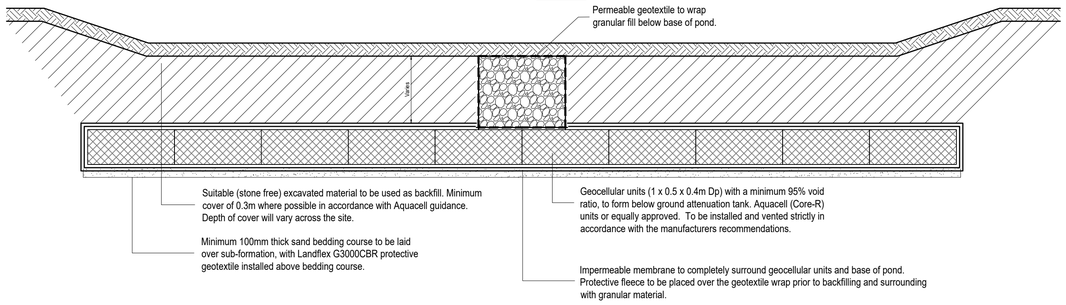
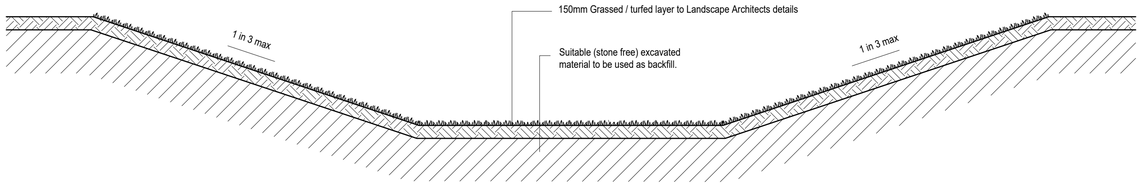


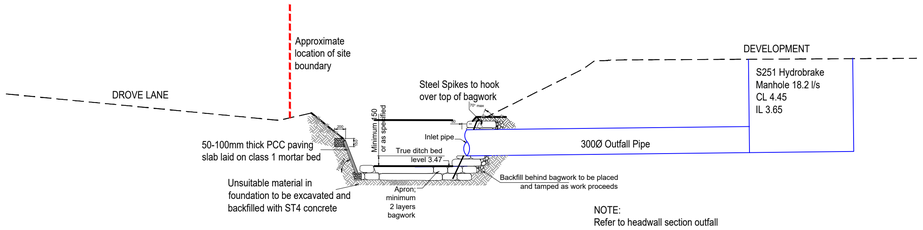
Granular Blanket Below Detention Basin Pond 2



Geocellular Storage Below Detention depression in POS
Pond 3 / ST8, Pond 5 / ST9 / ST13, Pond 6 / ST10 / ST12, Pond 4 / ST11



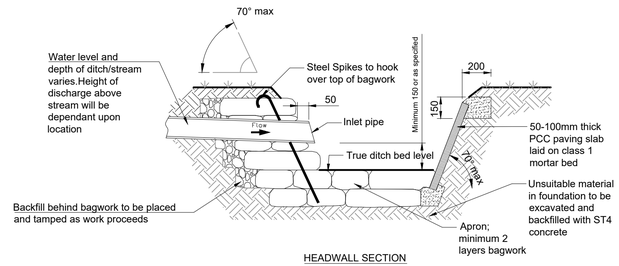
Detention Basin
Pond 1, Pond 10



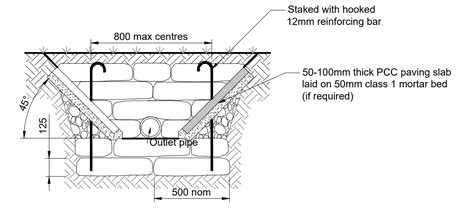
NOTE:
Refer to headwall section outfall to side of ditch detail below for ADC's typical headwall detail

Section Through Outfall Into Existing Ditch

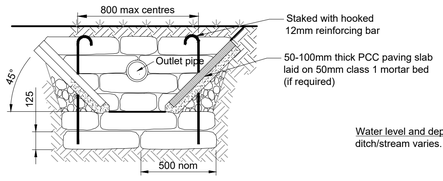
Table SuDS Features & Requirement For Lining	
SuDS Feature Above GW Level But Attached To Feature Within GW Level (Lining Required)	SuDS Feature Within GW Level (Lining Required)
POND 3 (ST8)	ST8
POND 4 (ST11)	ST11
POND 5 (ST9 & ST13)	ST9
POND 6 (ST10 & ST12)	ST13
	ST10
	ST12



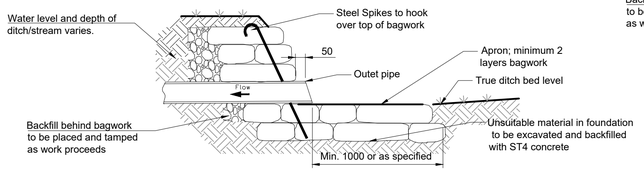
HEADWALL SECTION
OUTFALL TO SIDE OF DITCH



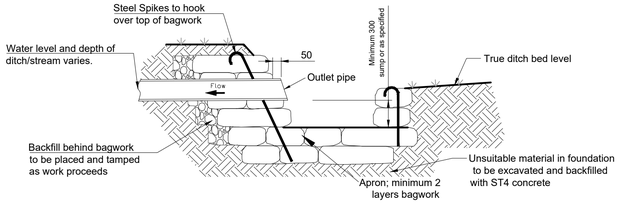
ELEVATION OF HEADWALL
OUTLET FROM END OF DITCH



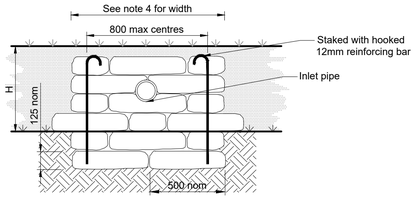
ELEVATION OF HEADWALL
OUTLET FROM END OF DITCH (WITH SUMP)



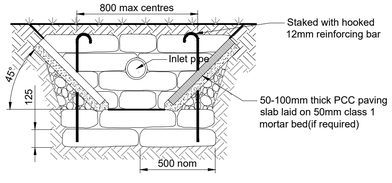
HEADWALL SECTION
OUTLET FROM POND / END OF DITCH (WITH SUMP)



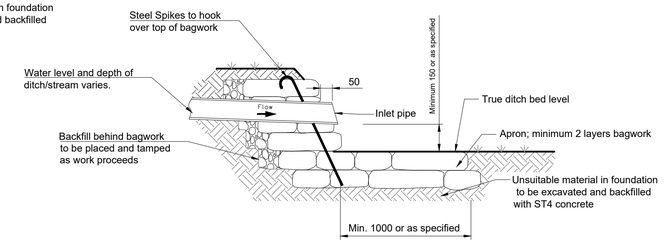
HEADWALL SECTION
OUTLET FROM POND / END OF DITCH (WITH SUMP)



ELEVATION OF HEADWALL
OUTFALL TO SIDE OF DITCH



ELEVATION OF HEADWALL
OUTFALL TO END OF DITCH



HEADWALL SECTION
OUTFALL TO POND / END OF DITCH

Headwall Notes

1. All measurements are in millimetres unless otherwise stated
2. Bags shall be of Hessian and shall be of a size to provide a wall thickness of 500mm.
3. Concrete bagwork shall be to Clause 519 and be three quarter filled with 25mm slump ST4 concrete immediately prior to placing with the ends sewn.
4. The bags shall be placed in a modified Flemish bond so as to 'break joint' with the mouths away from the surface and be tamped into position to form a rectangular block.
5. Extent of outlet protection to be the greater of 1500mm or pipe diameter + 1200mm spanning the outlet pipe.
6. Headwall design may need to be adjusted to on site conditions following approval from WBC/ADC Engineer.
7. Ditch to be regraded as requested.
8. All exposed pipework to be certified UV stable
9. Pipe details to be as specified on supporting drawings.

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.

Rev.	Date	Amendment	Drawn	Chkd.	Appd.
K	11.02.2022	Outfall section added as per LLFA comments.	AM		
J	14.12.2021	SUDs details updated to LLFA comments.	AM		
H	06.12.2021	SUDs details updated to LLFA comments.	AM		
G	29.10.2021	SUDs details updated to LLFA comments.	MFP		
F	27.07.2021	SUDs details updated to LLFA comments.	AM		
E	15.06.2021	SUDs details updated to LLFA comments.	AM		
D	11.05.2021	SUDs details updated to LLFA comments.	AM		
C	18.03.2021	SUDs types cross referenced to updated drainage layout.	AM		
B	15.01.2021	Permeable paving connection to network detail added.	SM		
A	01.10.2020	Issued to support reserved matters application	SM		

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Client
BARRATT HOMES built around you
DAVID WILSON HOMES

Project Title
DROVE LANE, YAPTON

Status
PRELIMINARY

Drawing Title
TYPICAL SUDS DETAILS SHEET 2 OF 2

Drawn	Date	Checked	Date	Approved	Date
SM	07.2020				

Scale	Orig Size	Dimensions
NTS	A1	Metres

Project No. 133647
Drawing File PLN_1_4101 Typical SUDs details.dwg
Drawing No. PLN_1_4103
Rev. K

File Location: K:\133000-139999\133647 - DROVE LANE, YAPTON\GRAPHIN\INFRASTRUCTURE\DRAWINGS\PLN_1_4101 TYPICAL SUDS DETAILS.DWG

A4LN, Template Version: 2020.0.0