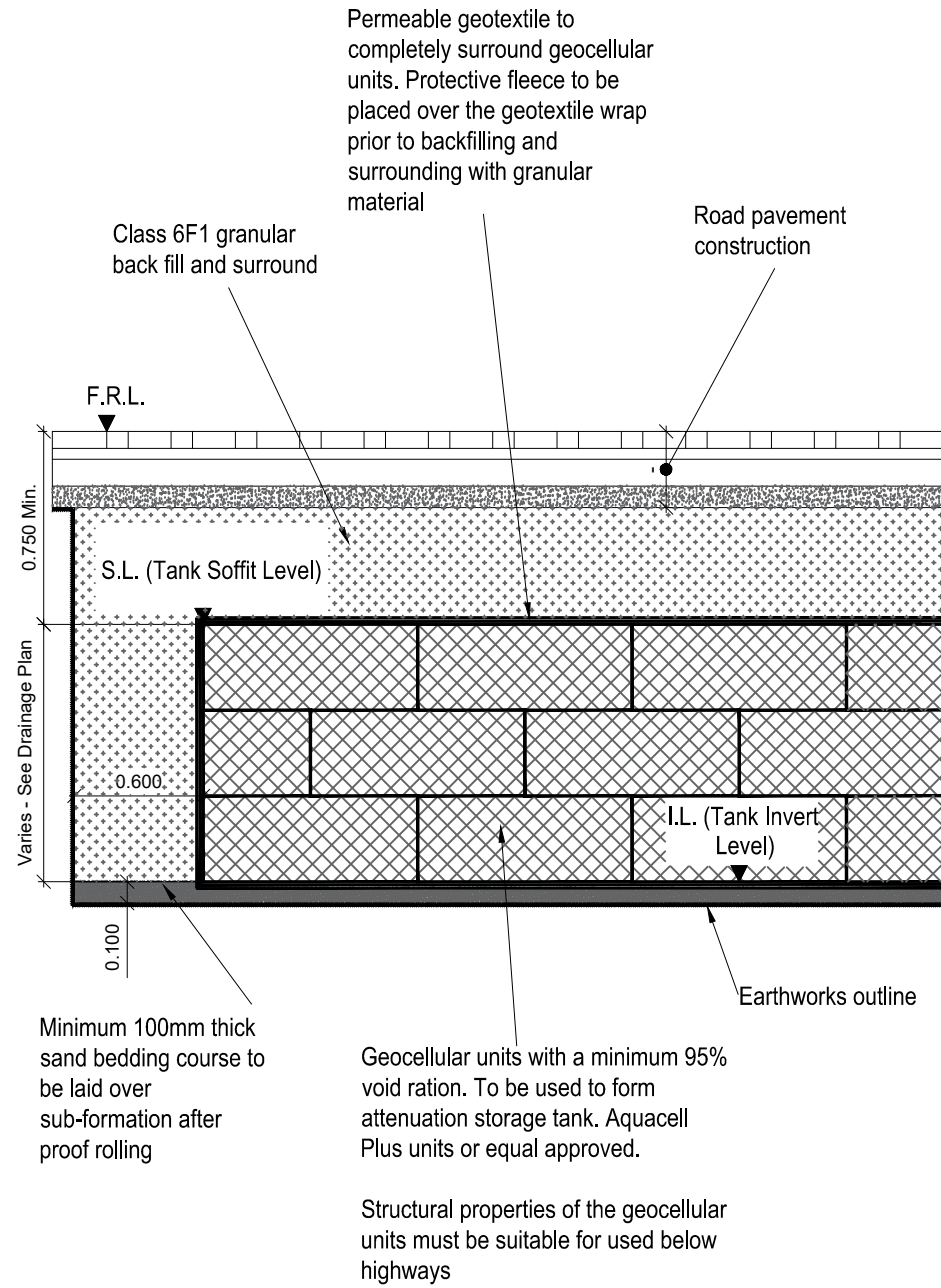
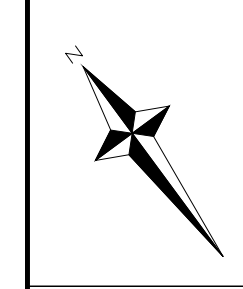


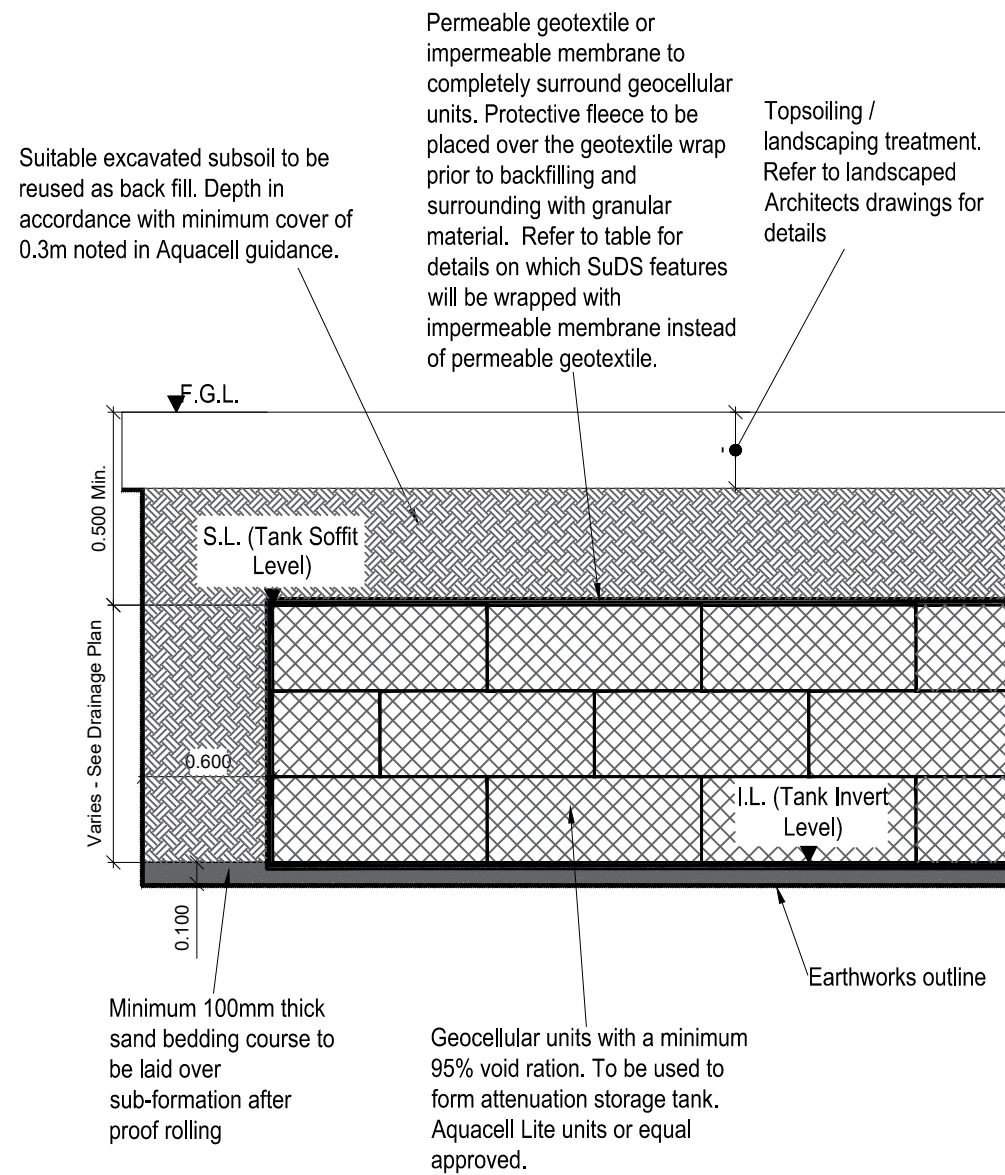
File Location: \\H:\ASD\01\01\13000 - 13999\13847 - DROVE LANE - YAPTON\GAP\INFRASTRUCTURE\DRAWINGS - DRAINAGE\DRAWINGS\PLN_1_4101 TYPICAL SUDS DETAILS.DWG



NOTES

- For details of inlet outlet manifold pipe arrangement refer to manufacturers details.
- All geocellular attenuation tanks to be provided with ventilation as per manufacturers recommendations. Arrangement and exact location of vent outlets to be agreed prior to installation of the geocellular units
- All perforations required through geomembrane to accommodate pipework shall be sealed in accordance with the recommendations of the geomembrane system supplier.

Typical Section Through Attenuation/Soakaway Tank Below Trafficked Areas (SA2/SA6)



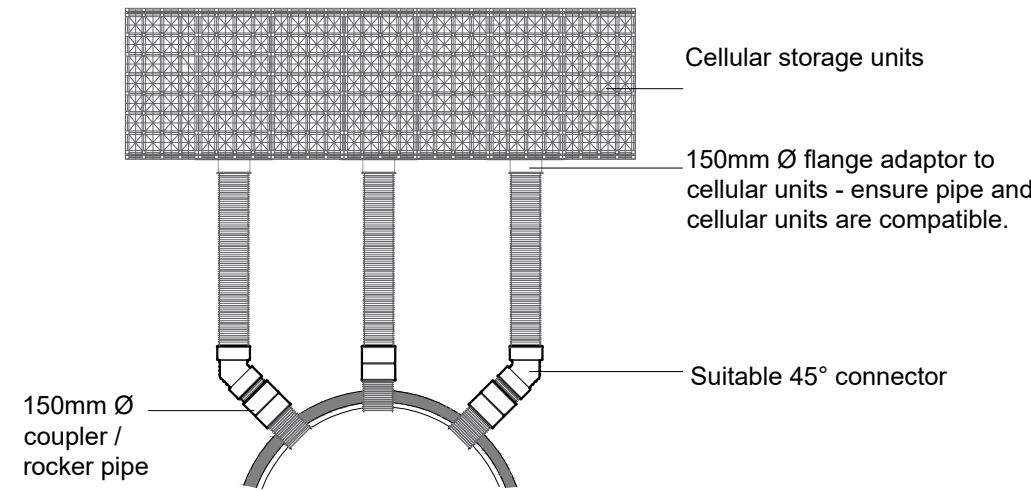
NOTES

- For details of inlet outlet manifold pipe arrangement refer to manufacturers details.
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- All perforations required through geomembrane to accommodate pipework shall be sealed in accordance with the recommendations of the geomembrane system supplier.

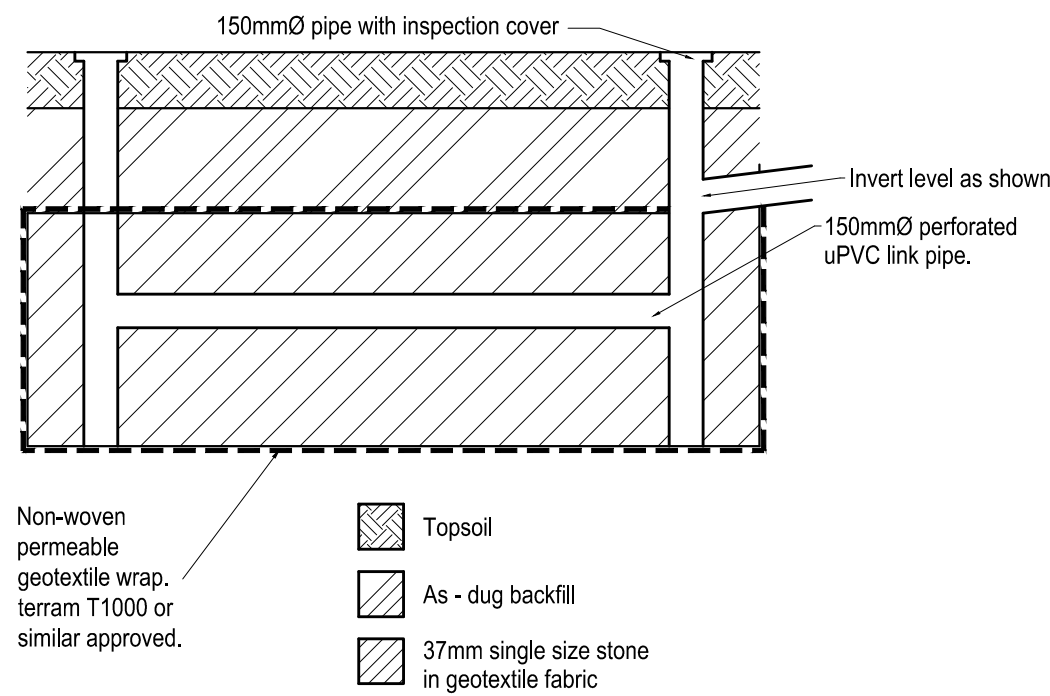
Table SuDS Features & Requirement For Lining	
SuDS Feature Above GW Level (No Lining Required)	SuDS Feature Within GW Level (Lining Required)
SA23A	ST22
SA24	ST21
	ST20
	ST19B
	ST19A
	ST17
	ST16
	ST25
	ST7
	ST14
	ST18

Typical Section Through Attenuation/Soakaway Tank Below Landscaped Areas

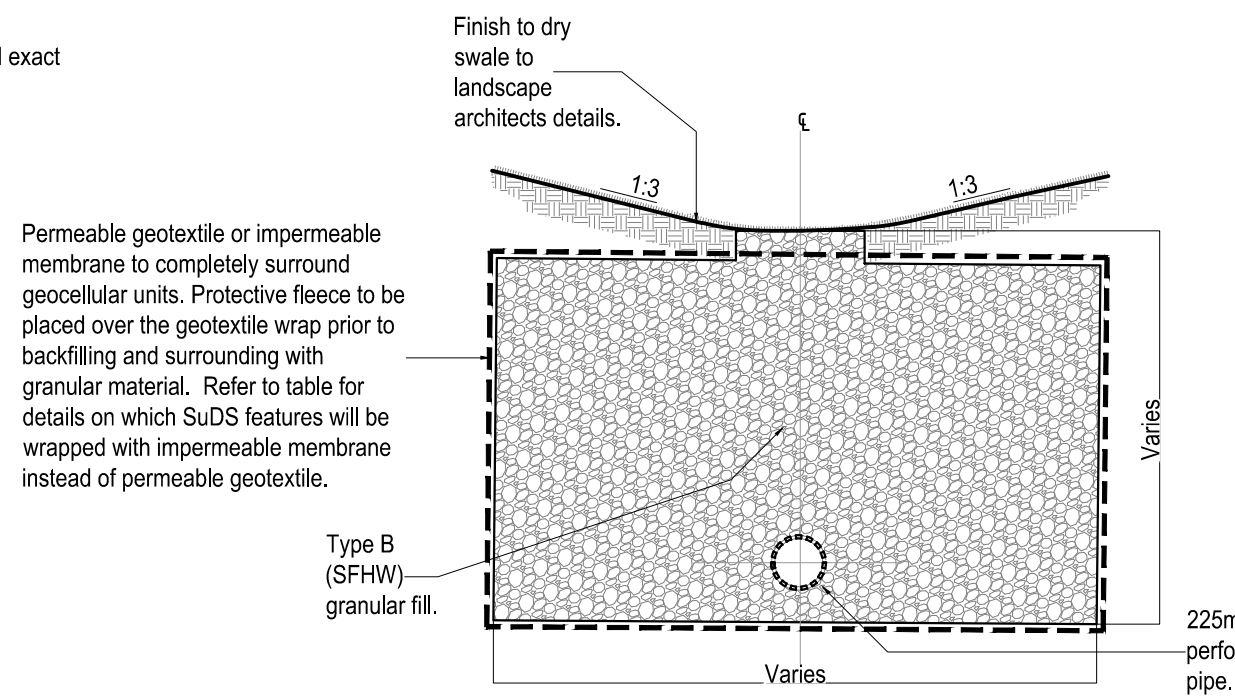
(ST7, ST14, ST16, ST17, ST18, ST19a, ST19b, ST20, ST21, ST22, SA24, ST25, ST23A)



On-line storage inlet and/or outlet manifold connection general arrangement



Trench Soakaway detail (SA1)



Enhanced swale with 225mm Ø 360° perforated pipe SW1, SW3, SW4, SW5, SA5, All Roadside enhanced swales

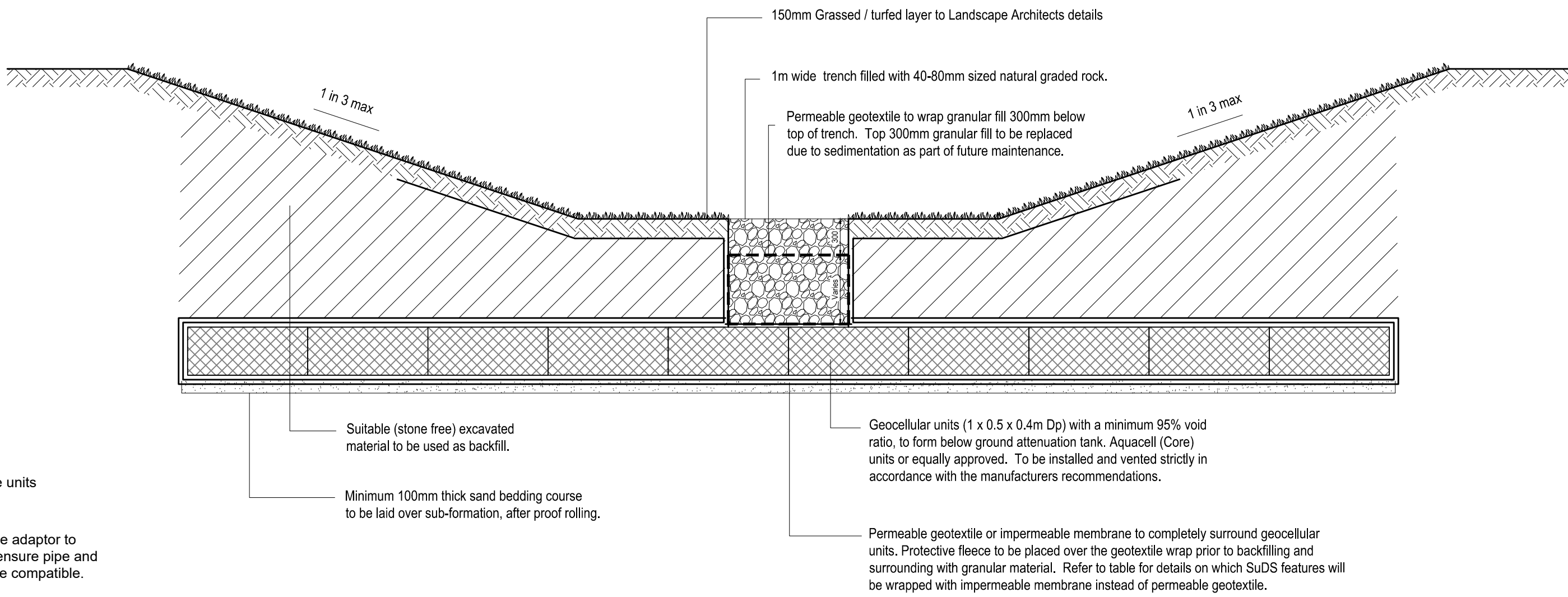
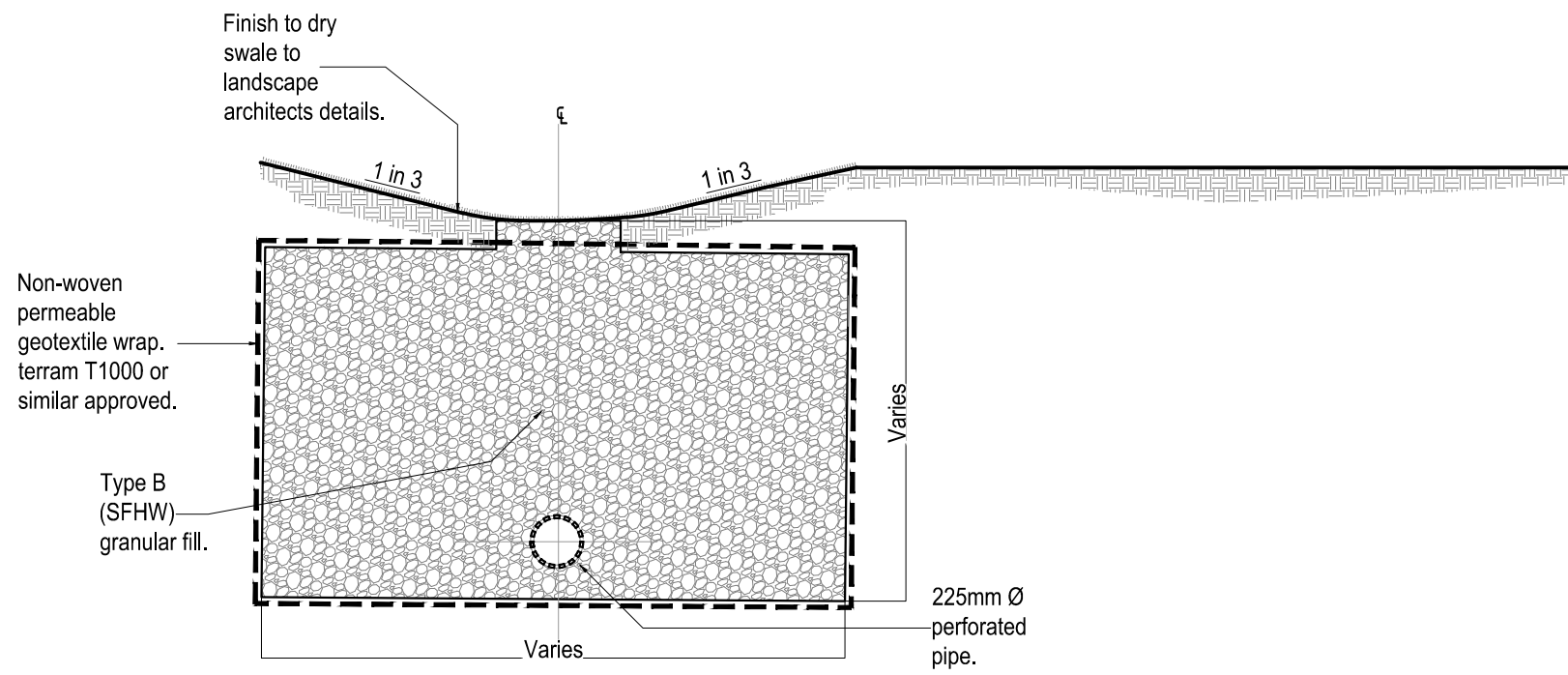


Table SuDS Features & Requirement For Lining		
SuDS Feature Above GW Level (No Lining Required)	SuDS Feature Above GW Level But Attached To Feature Within GW Level (Lining Required)	SuDS Feature Within GW Level (Lining Required)
POND 9 & SA23	POND 7 (ST26)	ST28
		POND 7A & ST26A
		ST15

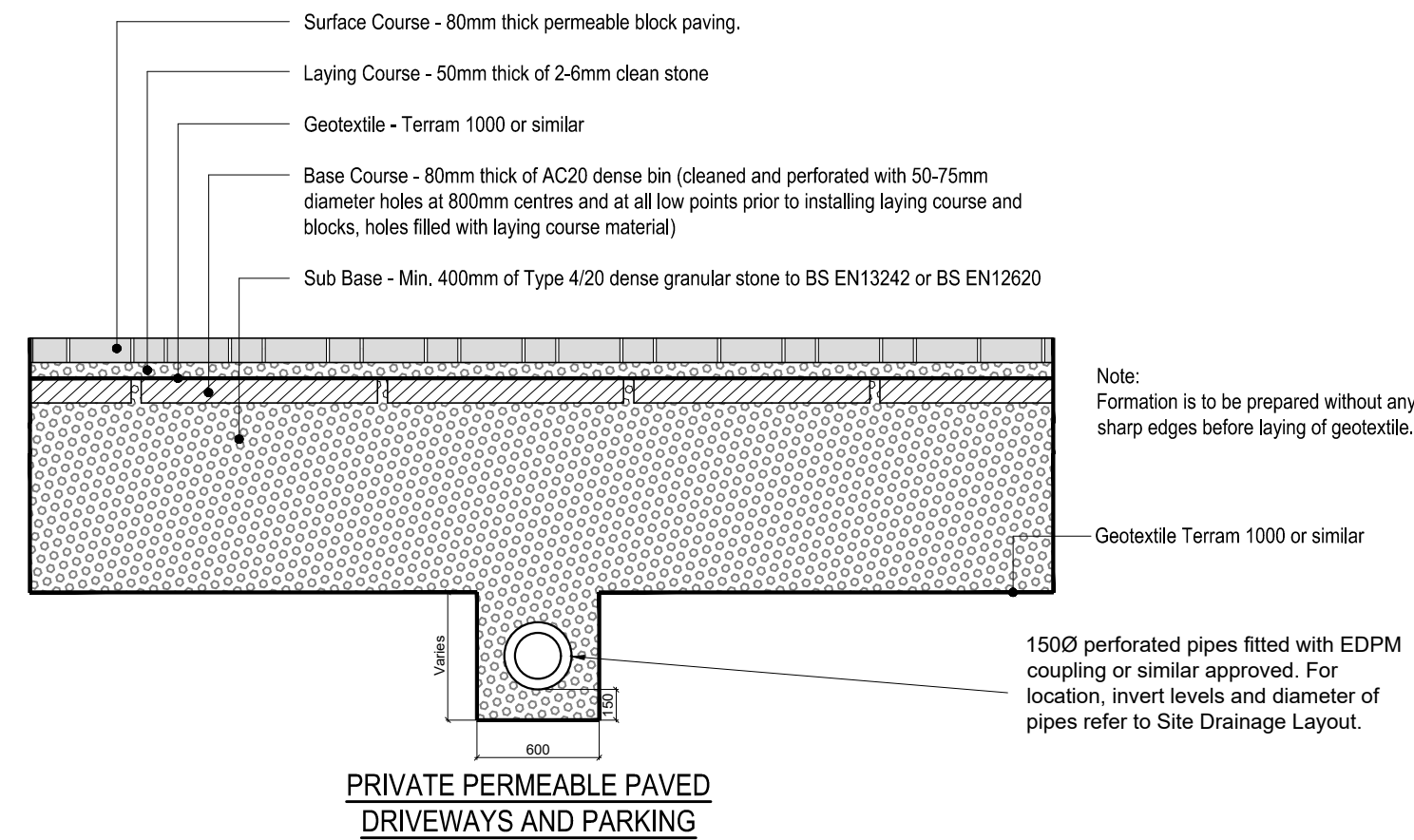
Geocellular Storage Below Detention Basin Pond 7 / ST26, Pond 7A / ST26A, ST15, Pond 9 / SA23



Infiltration enhanced swale with 225mm Ø 360° perforated pipe SW2

Enhanced Swale Details			
Swale	Length (m)	Base Width (m)	Depth (m)
SW1 - Swale	80.000	0.900	0.265
SW1 - Enhanced Base	80.000	2.500	1.385
SW3 - Swale	83.000	0.800	0.300
SW3 - Enhanced Base	83.000	2.500	1.100
SW4 - Swale	38.730	0.800	0.300
SW4 - Enhanced Base	38.730	2.400	1.000
SW5 - Swale	237.000	0.800	0.300
SW5 - Enhanced Base	237.000	2.400	1.000

Table SuDS Features & Requirement For Lining	
SuDS Feature Above GW Level (No Lining Required)	SuDS Feature Within GW Level (Lining Required)
SW1	SW3
SA5	SW4
	SW5



Permeable Paving Connection Detail To Proposed Surface Water Network

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.

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	01.10.2020	SUDs types cross referenced to SUDs on drawing PLN_1_4084 (Drainage layout)	SM		
A	13.07.2020	Issued to support reserved matters application	SM		
Rev.	Date	Amendment	Drawn	Chkd.	Appd.

RSK

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Client
BARRATT
H O M E S
built around you

DAVID WILSON HOMES

Project Title
**DROVE LANE,
YAPTON**

Status
PRELIMINARY

Drawing Title
**TYPICAL SUDS DETAILS
(SHEET 1 OF 2)**

Drawn	Date	Checked	Date	Approved	Date
SM	07.2020				
Scale	NTS	Orig Size	A1	Dimensions	Metres
Project No.	133647	Drawing File	PLN_1_4101 Typical SUDs details.dwg		
Drawing No.	PLN_1_4101			Rev.	G