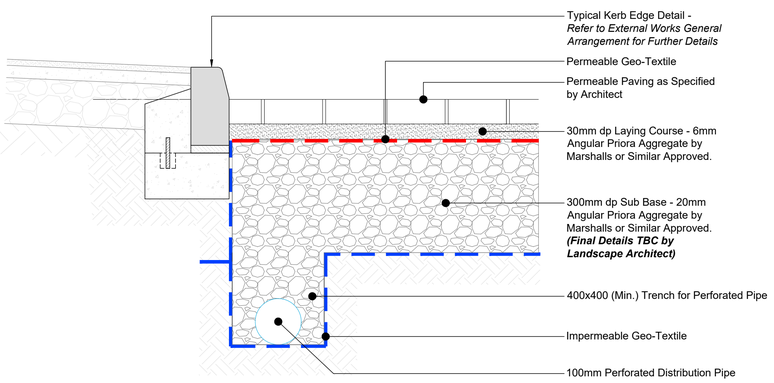
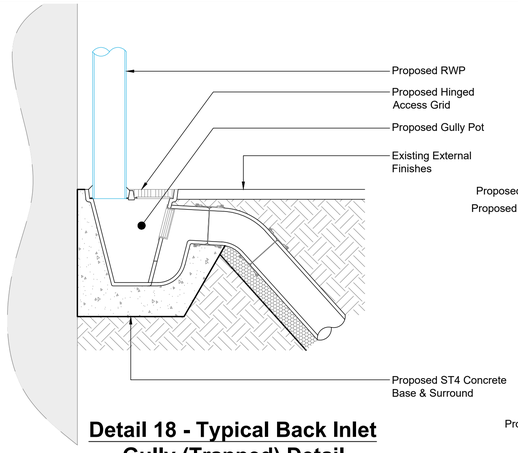
TO BE PRINTED IN COLOUR

A1



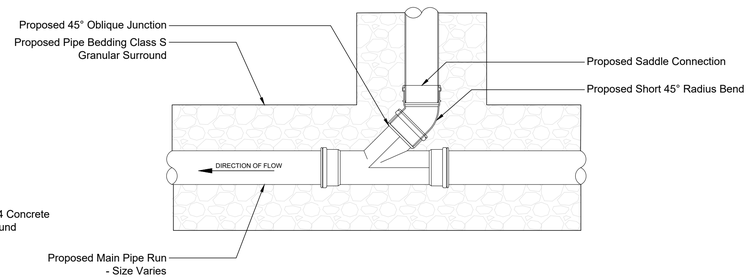
Detail 17 - Typical Permeable Paving Drainage Detail

Scale 1:10



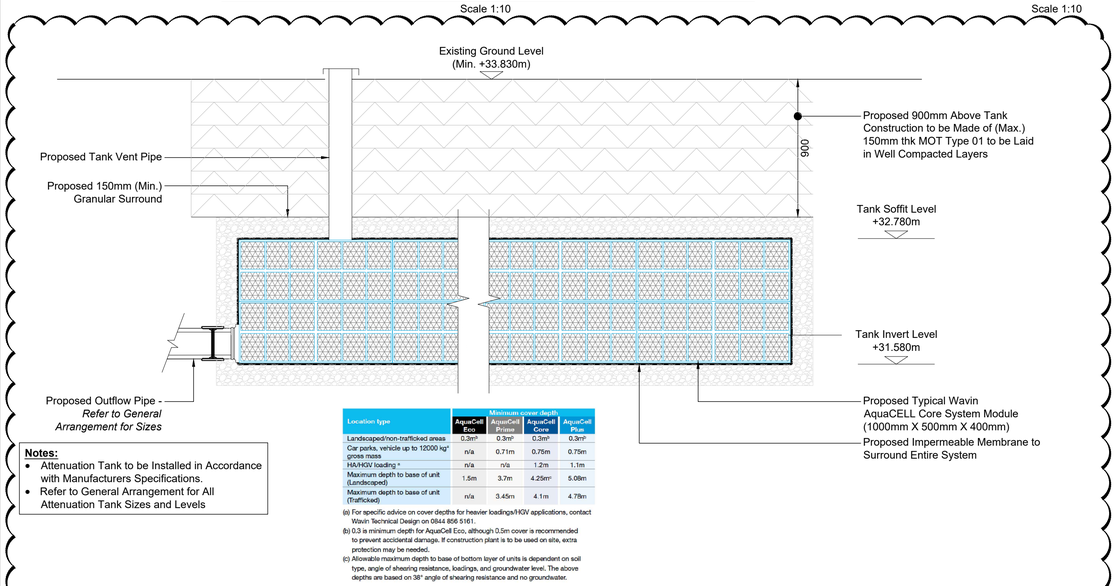
Detail 18 - Typical Back Inlet Gully (Trapped) Detail

Scale 1:10



Detail 19 - Proposed Saddle Connection Detail

Scale 1:20



Notes:

- Attenuation Tank to be Installed in Accordance with Manufacturers Specifications.
- Refer to General Arrangement for All Attenuation Tank Sizes and Levels

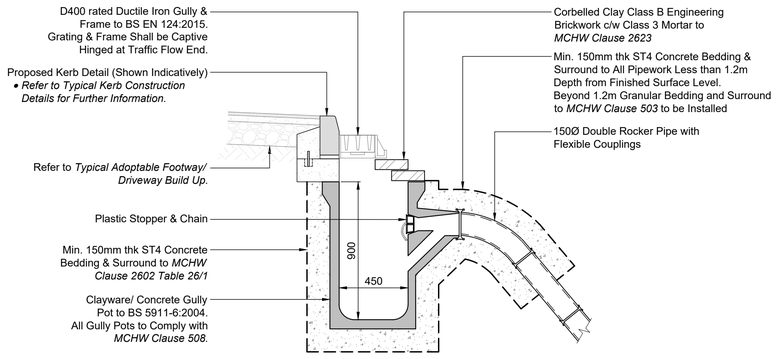
Location type	Minimum cover depth (b)			
	AquaCell Eco	AquaCell Prime	AquaCell Core	AquaCell Plus
Landscaped/non-trafficked areas	0.3m	0.3m	0.3m	0.3m
Car parks, vehicle up to 12000 kg gross mass	n/a	0.71m	0.75m	0.75m
HA/HGV loading (a)	n/a	n/a	1.2m	1.1m
Maximum depth to base of unit (Landscaped)	1.5m	3.7m	4.25m (c)	5.08m
Maximum depth to base of unit (Trafficked)	n/a	3.45m	4.1m	4.78m

(a) For specific advice on cover depths for heavier loadings/HGV applications, contact Wavin Technical Design on 0844 856 5161.
(b) 0.3 is minimum depth for AquaCell Eco, although 0.5m cover is recommended to prevent accidental damage. If construction plant is to be used on site, extra protection may be needed.
(c) Allowable maximum depth to base of bottom layer of units is dependant on soil type, angle of shearing resistance, loadings, and groundwater level. The above depths are based on 38° angle of shearing resistance and no groundwater.

Detail 20 - Proposed Typical Attenuation Tank Detail

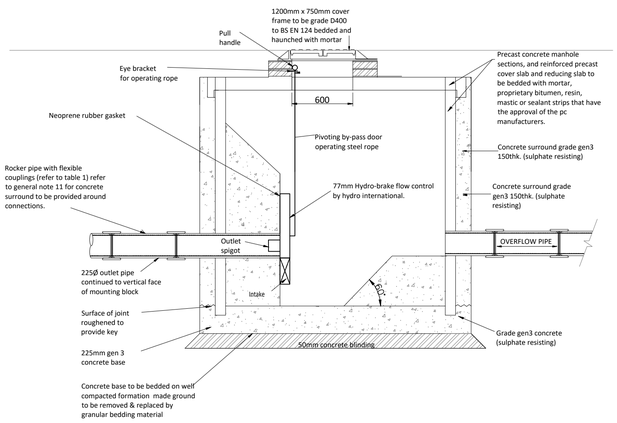
Scale 1:20

T3



Detail 21 - Typical Highway Gully Detail

Scale 1:20



Detail 22 - Typical Flow Control Chamber Detail

Scale 1:25

notes :

1. IF THIS DRAWING HAS BEEN RECEIVED ELECTRONICALLY IT IS THE RECIPIENTS RESPONSIBILITY TO PRINT THE DOCUMENT TO THE CORRECT SCALE
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE. IT IS RECOMMENDED THAT INFORMATION IS NOT SCALED OFF THIS DRAWING
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS
4. ANY DISCREPANCIES NOTED ON SITE ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. REFER TO FOLLOWING CCS CONSULTING DRAWINGS FOR EXTERNAL WORKS & BELOW GROUND DRAINAGE PLANS AND TYPICAL DETAILS:
   - 22182-CCS-WCH006-XX-M2-S-90000 (EXT. WORKS PLAN)
   - 22182-CCS-WCH006-XX-M2-S-90001 (EXT. WORKS TYPICAL DETAILS)
   - 22182-CCS-WCH006-XX-M2-S-93000 (BGD PLAN)
6. REFER TO FOLLOWING SQUAREYARD DRAWINGS FOR LANDSCAPING GENERAL ARRANGEMENT & DETAILS:
   - 2301-SQU-XX-00-DR-L-001

REV.	DESCRIPTION	DATE	DRW.	CHK.
T3	DETAIL 20 UPDATED TO SHOW FURTHER MANUFACTURES INSTALLATION INFORMATION.	28.08.24	JF	KLE
T2	DETAIL 20 UPDATED TO SHOW FURTHER REQUIRED INFORMATION	22.07.24	JF	KLE
T1	STAGE 04 ISSUE	31.05.24	JF	KLE
P1	STAGE 03 ISSUE	26.04.24	JF	KLE

Tender Issue - For Costing Purposes Only

Manchester University NHS Foundation Trust

APPOINTED PARTY LOGO/INFORMATION

ccs consulting MANCHESTER • LONDON • LEEDS

PROJECT
CDC - CARDIORESPIRATORY, WITHINGTON COMMUNITY HOSPITAL

TITLE
PROPOSED BELOW GROUND DRAINAGE - TYPICAL DETAILS SHEET 2 OF 2

STATUS	PURPOSE OF ISSUE		
D2	FOR COSTING		
DRAWN BY	CHECKED BY	DATE	
JF	KLE	APRIL '24	
SCALE (@A1)	PROJECT NUMBER		
AS SHOWN	HE-014		
FILE DRAWING NUMBER		REV.	
22182- CCS - WCH006- XX- DR - S - 93002		T3	