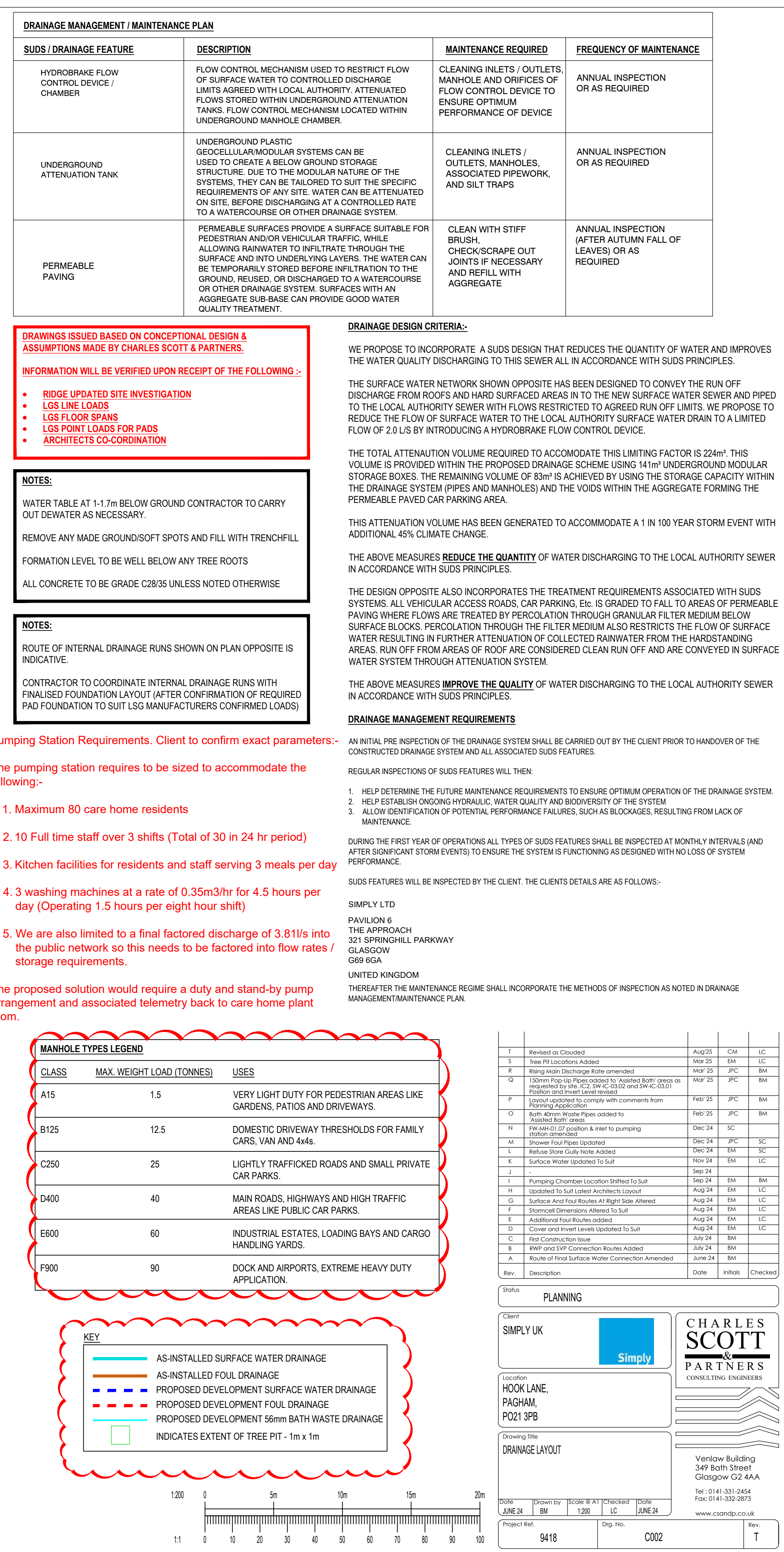
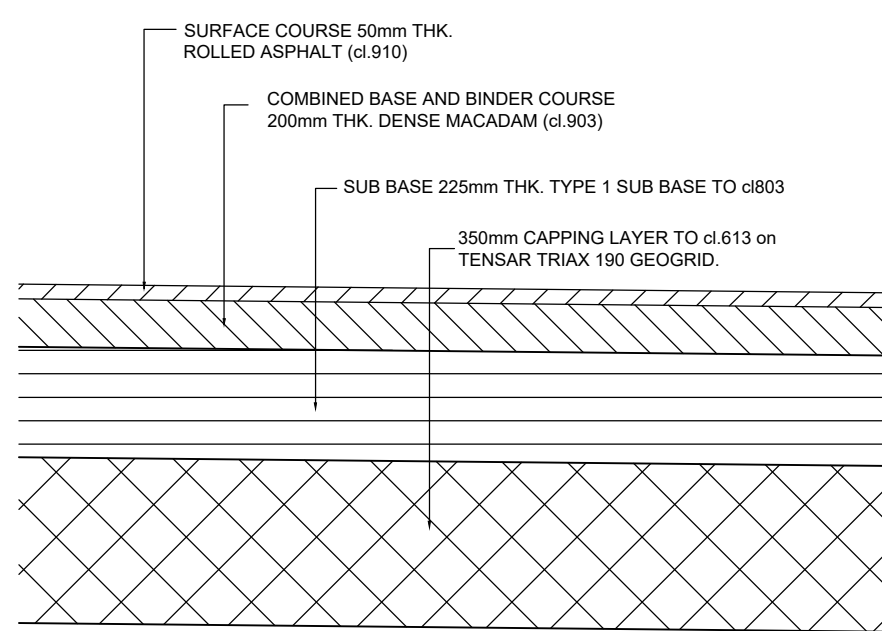


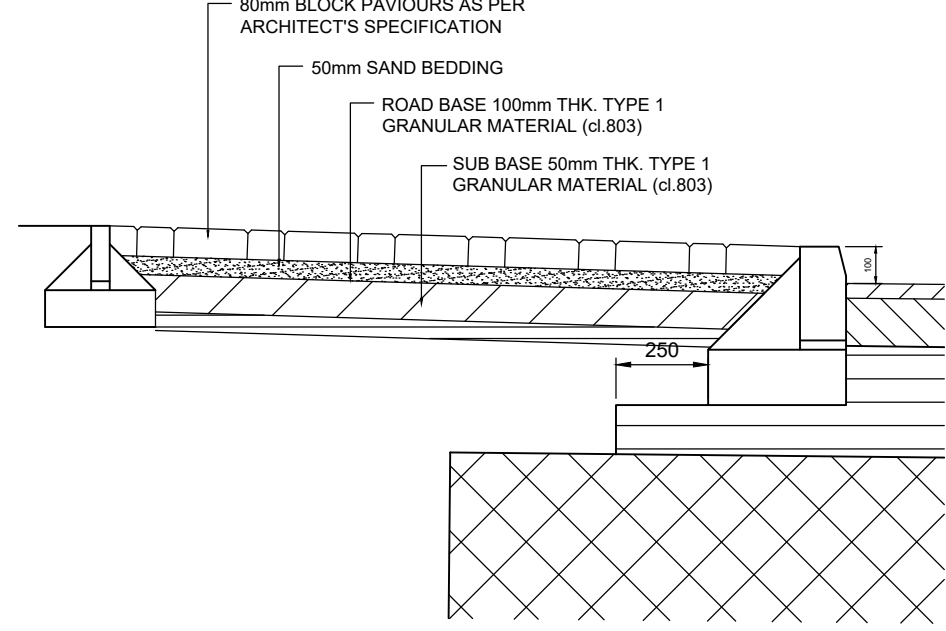
Appendix F

Revised CSP Drawings –
Drainage Layout/Construction details/Drainage Elevations/Eco Block Details

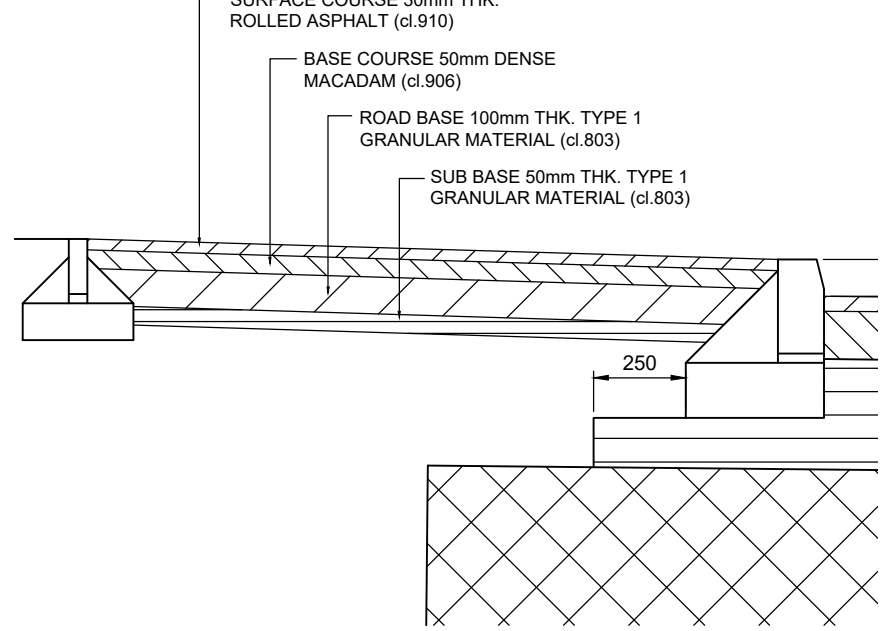




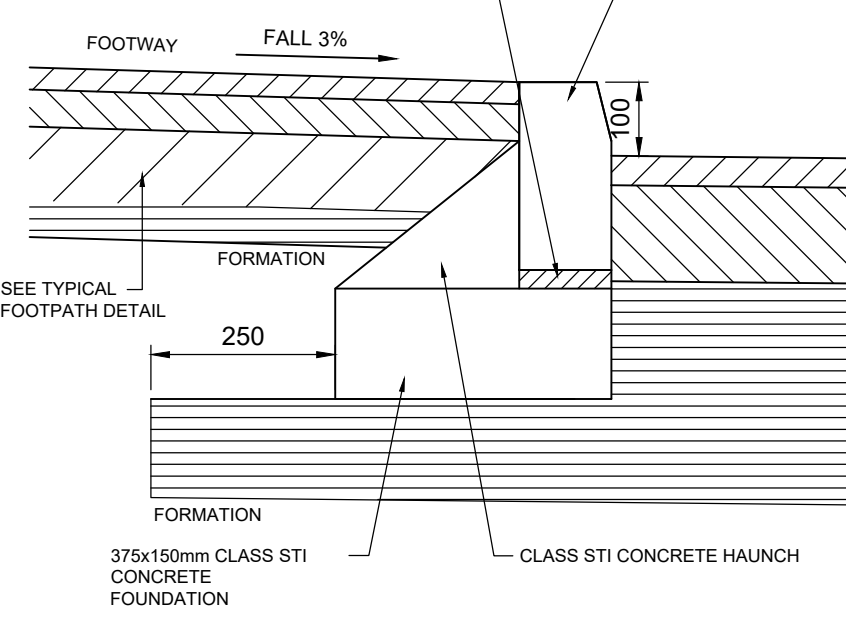
TYPICAL VEHICULAR CARRIAGEWAY CONSTRUCTION



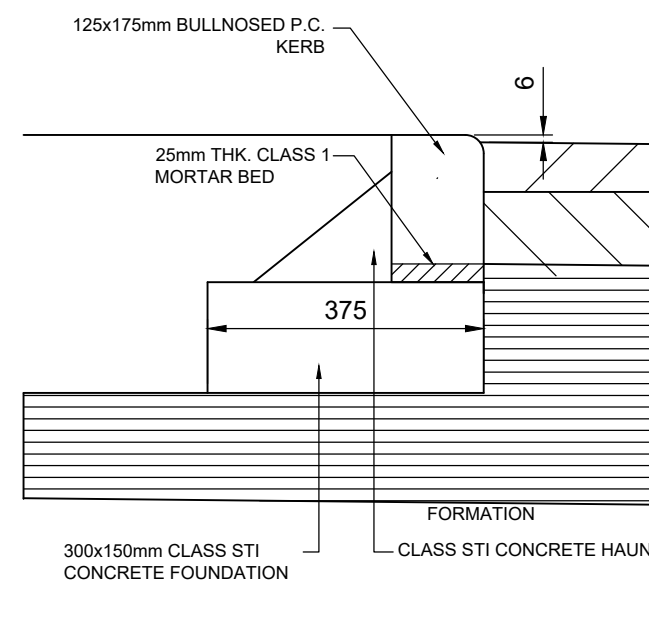
BLOCK PAVED PEDESTRIAN FOOTPATH CONSTRUCTION



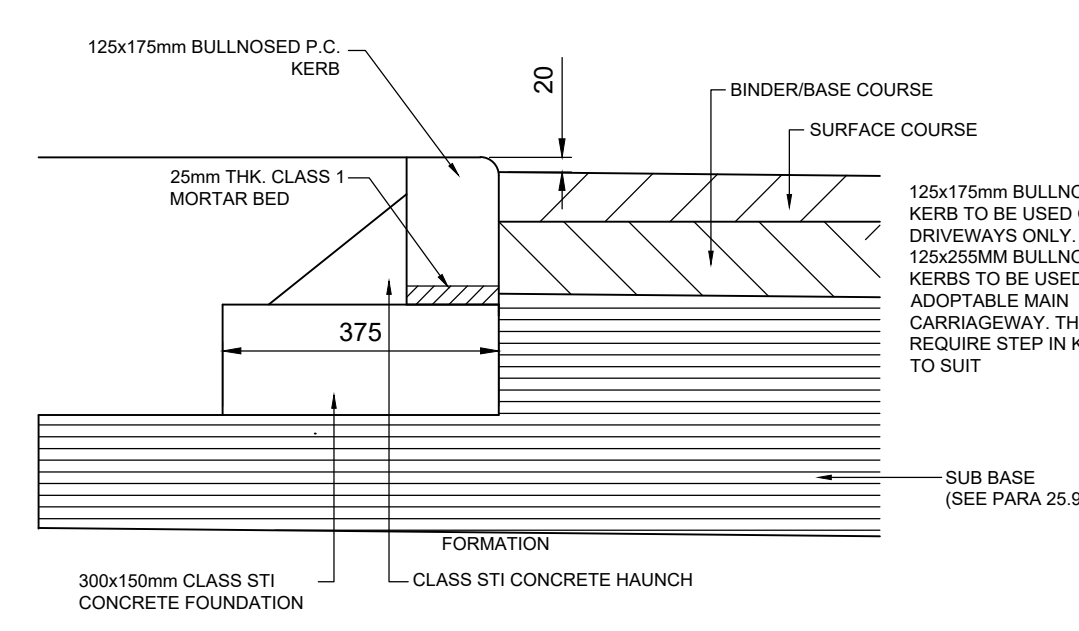
TYPICAL PEDESTRIAN FOOTPATH CONSTRUCTION



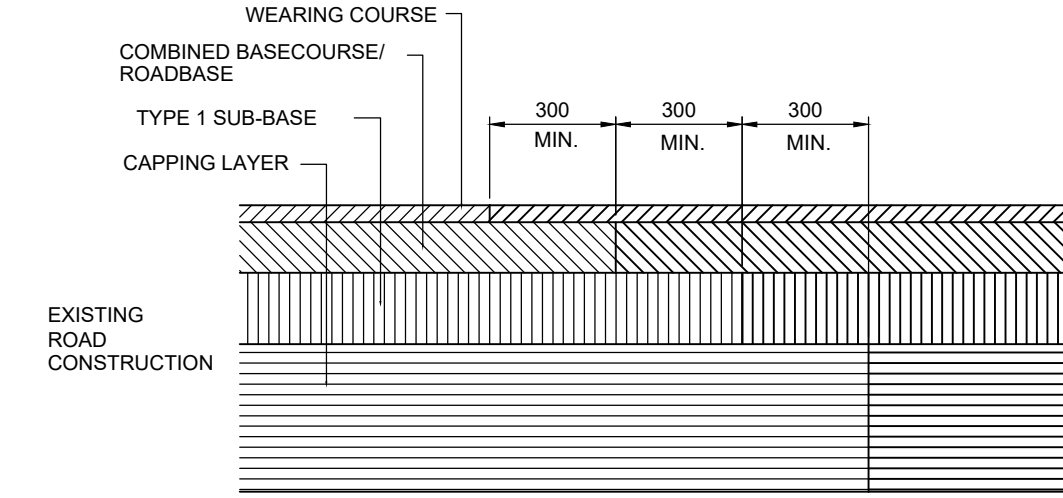
TYPICAL HALF BATTER KERB DETAIL



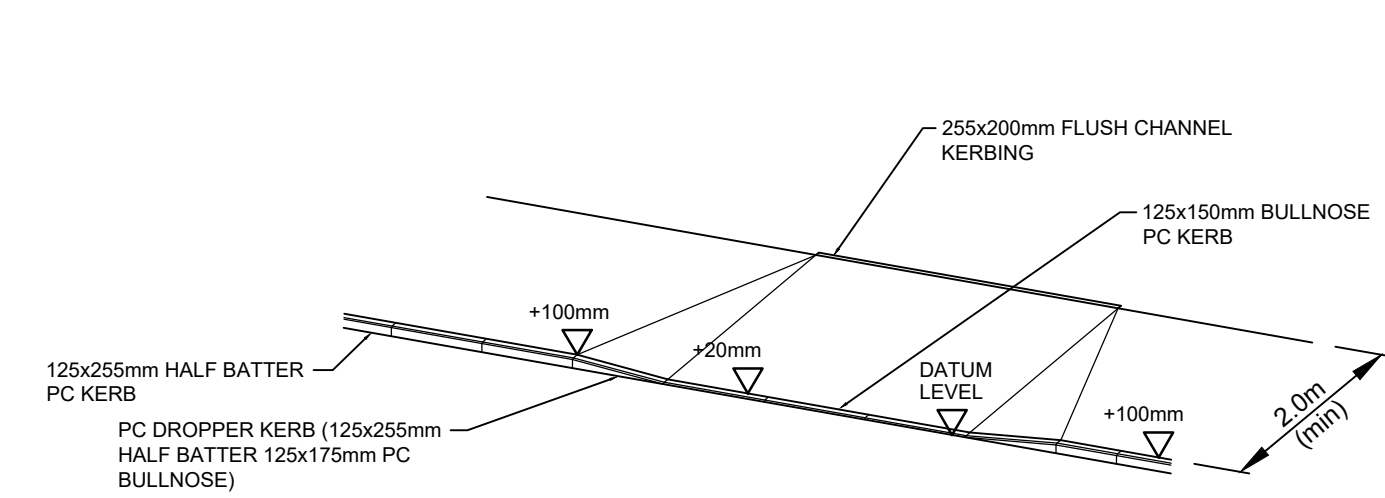
TYPICAL 6mm BULLNOSE KERB DETAIL



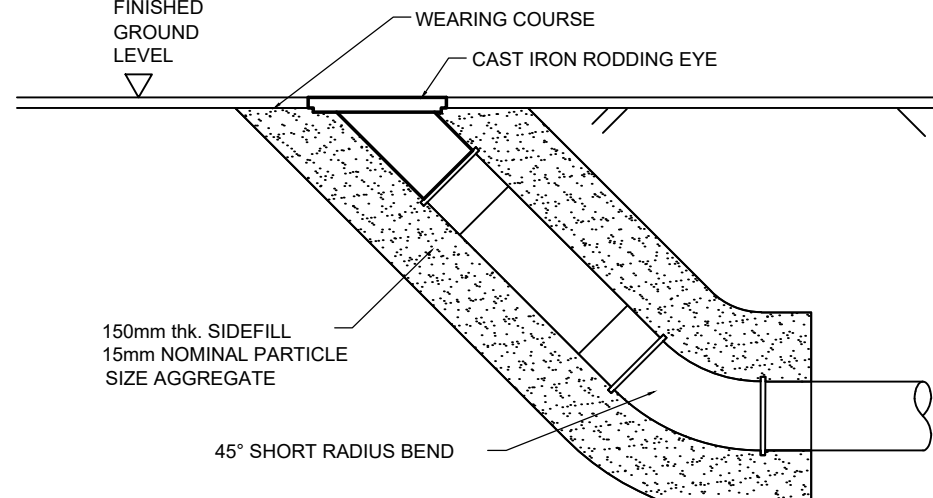
TYPICAL 20mm BULLNOSE KERB DETAIL



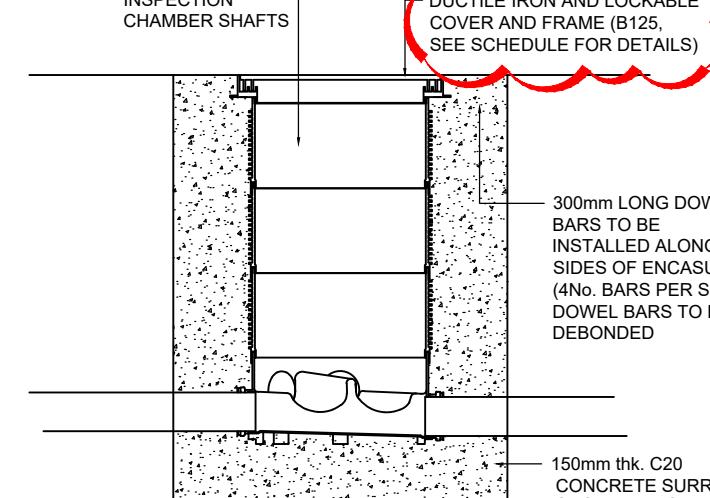
TYPICAL SURFACING TIE-IN DETAIL



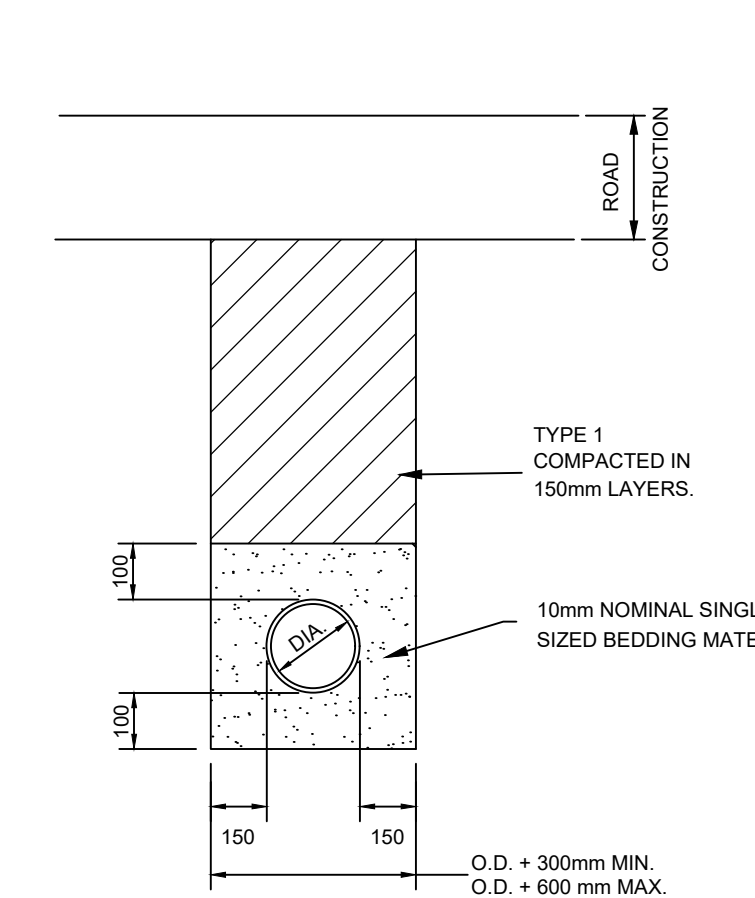
TYPICAL VEHICULAR ACCESS DETAIL



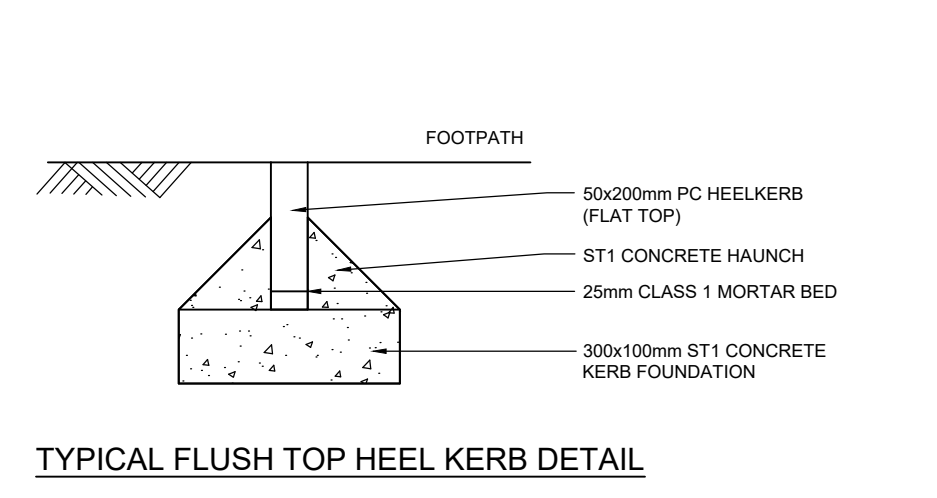
TYPICAL RODDING EYE DETAIL



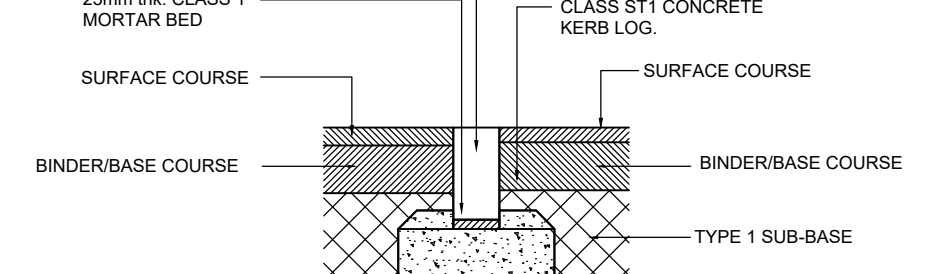
TYPICAL INSPECTION CHAMBER DETAIL



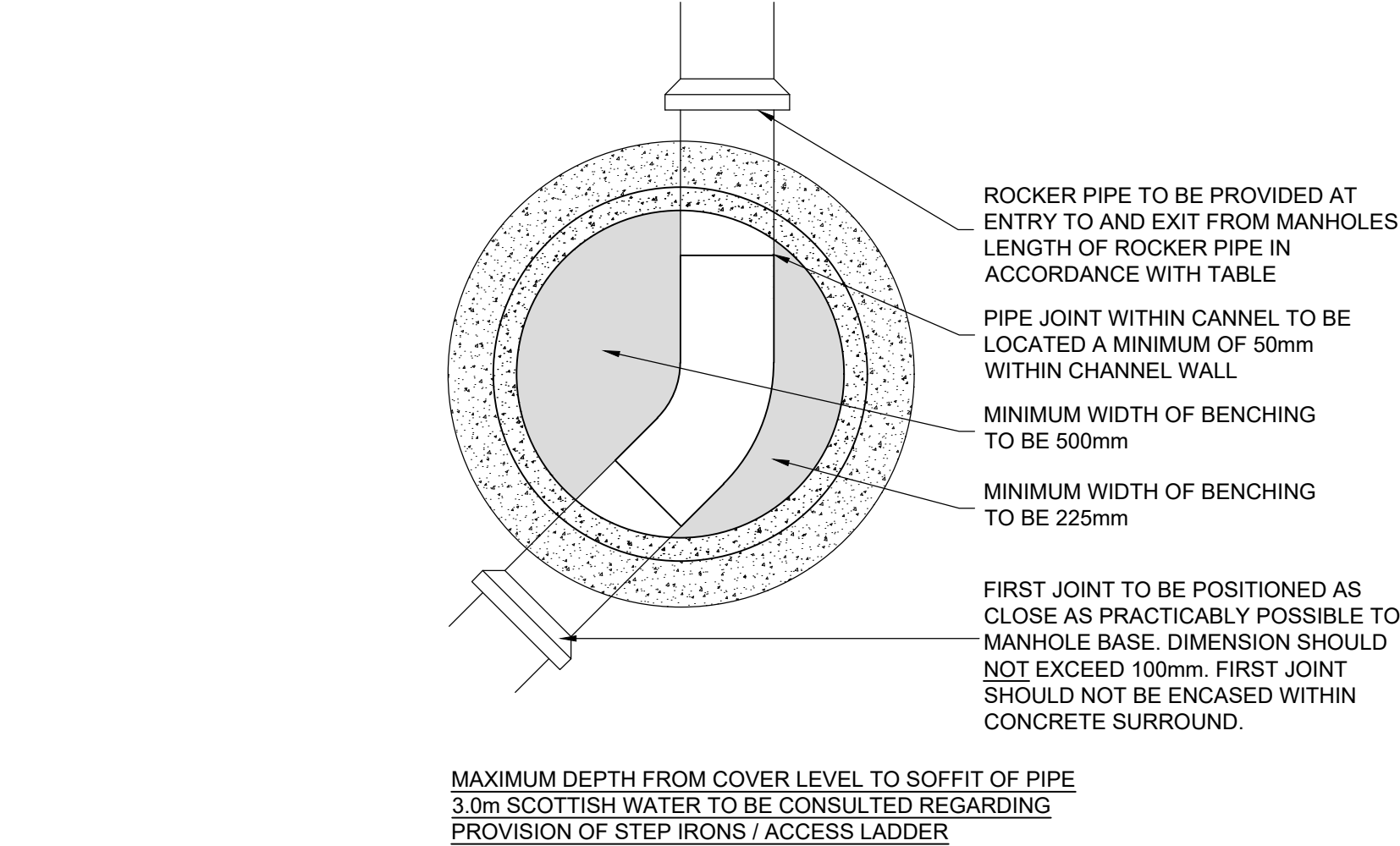
TYPICAL PIPE BEDDING DETAIL - VEHICULAR AREAS



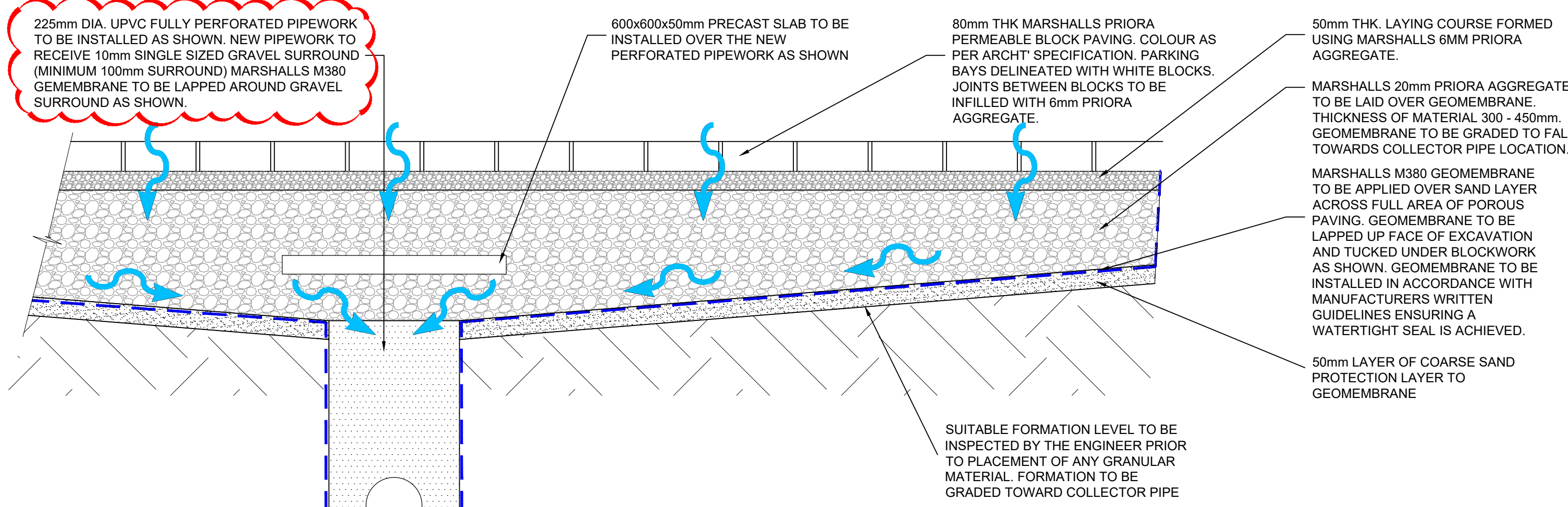
TYPICAL FLUSH TOP HEEL KERB DETAIL



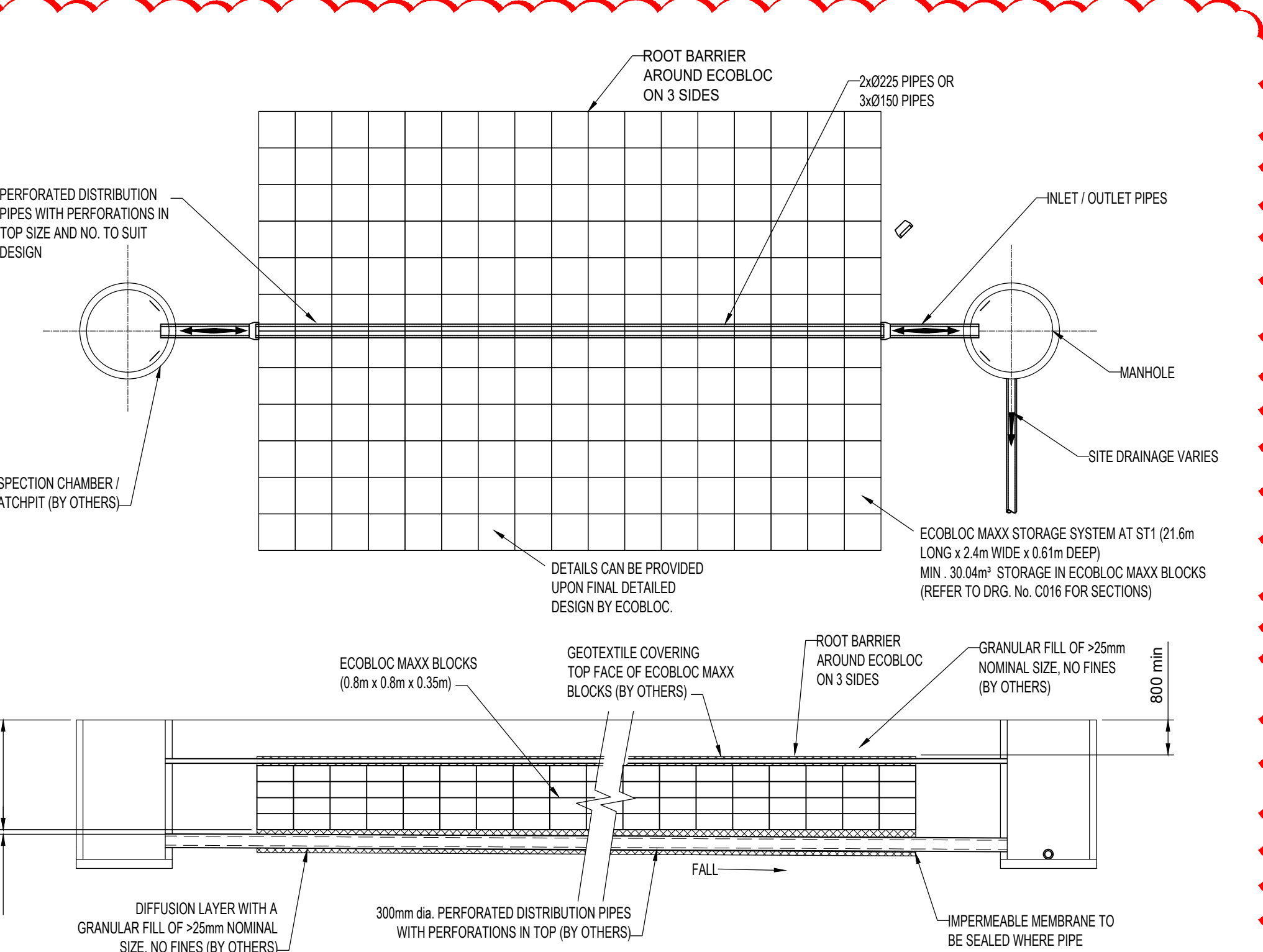
TYPICAL FLUSH CHANNEL KERB DETAIL



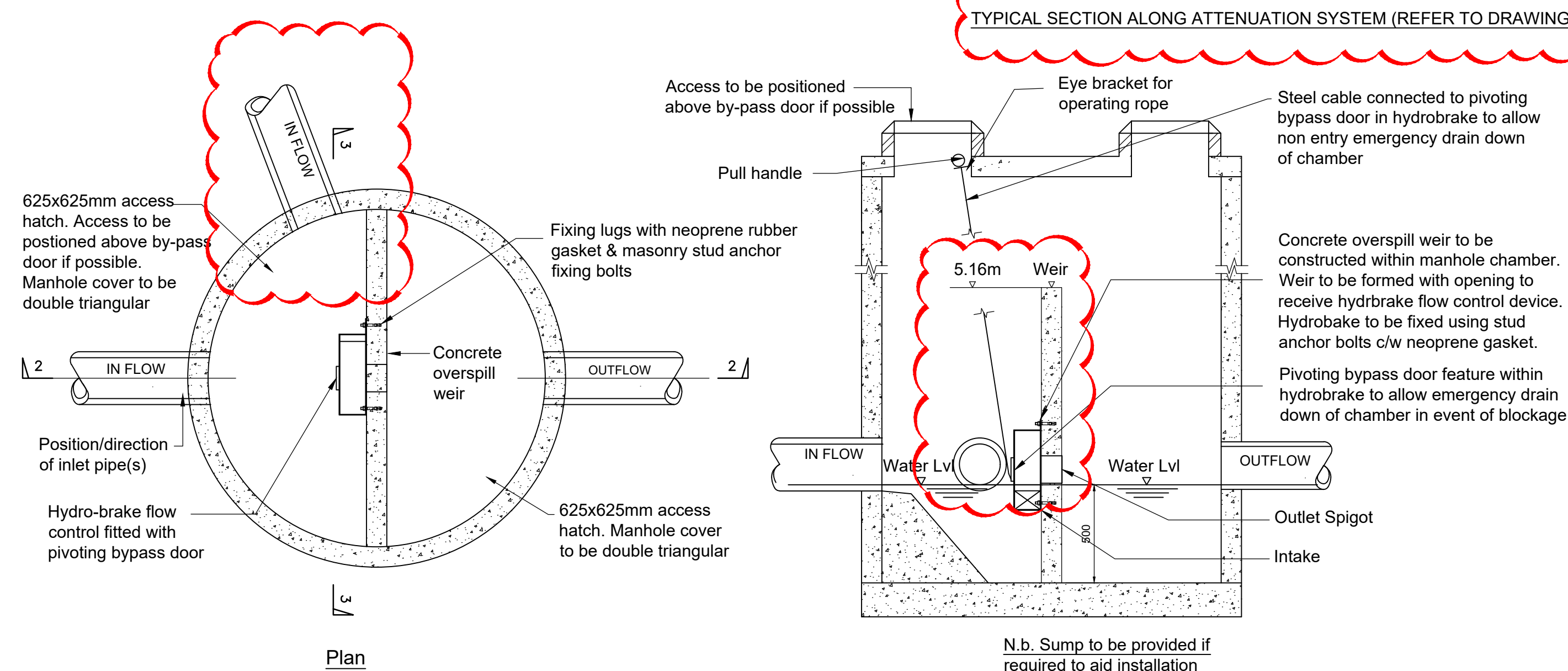
TYPICAL MANHOLE DETAIL - 3m DEPTH - TYPE B



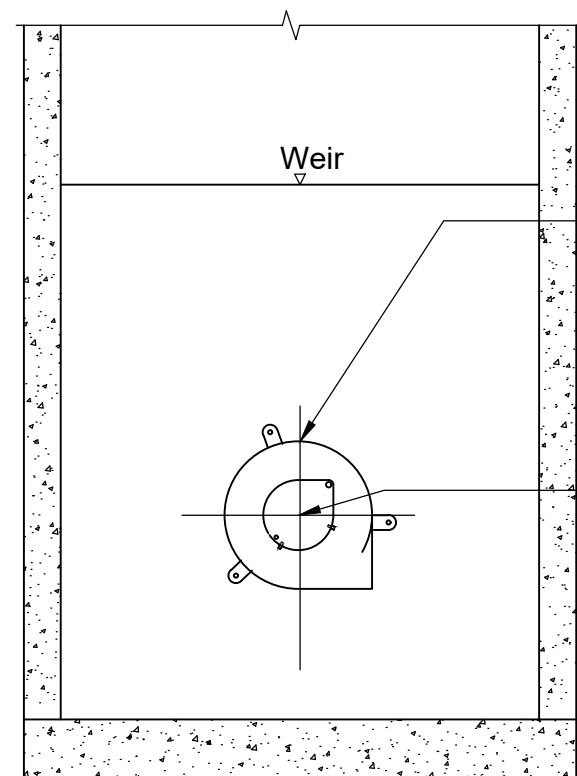
TYPICAL PERMEABLE PAVING DETAIL



TYPICAL SECTION ALONG ATTENUATION SYSTEM (REFER TO DRAWING C016)



Dual entry weir wall control manhole detail as SW MH 02.04 Not to Scale



Section 3 - 3 as SW MH 02.04 Not to Scale

Concrete overspill weir to be constructed within manhole chamber. Weir to be formed with opening to receive hydrobrake flow control device. Hydrobrake to be fixed using stud anchor bolts c/w neoprene gasket.

Pivoting bypass door feature within hydrobrake to allow emergency drain down of chamber in event of blockage.

Hydrobrake Note:

PRODUCT NUMBER: CTL-SHE-0067-2000-1000-2000

DIMENSIONS W x D (mm)

410.0x75.0

SUMP DIMENSIONS W x D (mm)

150.0x310.0

ECOBLOC MAXX VOLUMES
ST1 = 30.04m³
ST2 = 45.06m³
ST3 = 20m³

NOTE REFERRING TO B24058-404 SHEET 4 OF 4 (LANDSCAPE ARCHITECTS PLANS):

MOST TREES PROPOSED ARE UP TO 85 LITRE POT SIZE. SO AT THE TIME OF PLANTING, THEIR ROOT BALL WOULD BE APPROXIMATELY 500mm DIAMETER, BY 460mm DEPTH. ONE TREE IS PROPOSED LARGER, THE PRUNUS 'RANCHO' THE POT SIZE FOR THIS WOULD BE APPROXIMATELY 850mm DIAMETER BY 630mm DEPTH. ROOTBALL SIZES WILL VARY DEPENDANT ON SPECIES AND NURSERY. TREE PIT DETAILS, AS PER PARA 17 ON THE SPEC NOTES TREE PITS ARE TO BE 1.0 X 1.0 X 0.6m DEEP, OR 300mm LARGER THAN ROOT BALL, WHICHEVER IS LARGER.

NOTES

WHERE EXISTING GROUND LEVELS HAS BEEN EXCAVATED BELOW ORIGINAL / ASSUMED LEVELS GROUND CAN BE MADE UP TO REQUIRED LEVEL USING BE BELOW.

GOOD QUALITY GRANULAR MATERIAL SHOULD BE USED.

- IT SHOULD BE FREE OF ANY ORGANIC MATTER.
- IT SHOULD NOT CONTAIN MORE THAN 15% FINES (I.E. NOT MORE THAN 15% BY WEIGHT OF PARTICLES OF SILT AND CLAY SIZE).
- IT SHOULD BE FREE DRAINING.
- IT SHOULD BE DURABLE AND NOT EASILY DEGRADED WITHIN THE DESIGN LIFE OF THE PLATFORM.
- THE MAXIMUM PARTICLE SIZE SHOULD NOT BE GREATER THAN 2/3 OF THE THICKNESS OF THE LAYERS IN WHICH THE MATERIAL IS COMPACTED OR 150mm WHICHEVER IS THE SMALLER. (POSITIONAL TOLERANCES OF SOME PILES CANNOT BE MAINTAINED USING PLATFORM MATERIAL WITH PARTICLES AS LARGE AS 150mm AND IN SUCH CASES A SMALLER MAXIMUM PARTICLE SIZE OF, SAY, 75mm IS REQUIRED.)

ENGINEER TO INSPECT GROUND BUILD UP PRIOR TO THE WORKS PRIOR TO CONSTRUCTION OF WALL.

CBR VALUE	SUB-BASE	CAPPING LAYER
>5%	300mm	0mm
2% < CBR < 5%	250mm	30mm
<2%	150mm	60mm

NOTE: NO MATERIAL WITHIN 450mm OF THE FINAL SURFACE IS TO BE FROST SUSCEPTIBLE.

NOTE: ALL PROPOSED ROADS ARE WITHIN AREAS OF FILL MATERIAL. THEREFORE THE CAPPING LAYER CONSTRUCTION WILL BE REQUIRED ALONG THE ENTIRE LENGTH OF THE ROAD. ALL EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH BS1. IN AREAS OF ROADS ALL EARTHWORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS SERIES 600.

ENGINEERING BRICKWORK - CLASS B WITH A MINIMUM COMPRESSIVE STRENGTH OF 50N/mm², AND A WATER ABSORPTION RATE OF LESS THAN OR EQUAL TO 7%. ALL BRICKS TO BE OF FLTH QUALITY. THIS RELATES TO FROST RESISTANCE AND DURABILITY PURPOSES FOR BRICKWORK BELOW GROUND LEVEL AND FOR USE IN RETAINING WALLS. MORTAR DESIGNATION TO BE I OR II. MORTAR DESIGNATION I TO BE USED WHERE THERE IS A CAPPING/COPING BUT NO WATERPROOFING ON THE RETAINING FACE. MORTAR TYPE II TO BE USED WHERE COPING AND WATERPROOFING IS USED ON RETAINING FACE. WHERE S1 GLAY MASONRY UNITS ARE USED SULPHATE - RESISTING PORTLAND CEMENT MAY BE NECESSARY IN THE MORTAR DEPENDANT UPON GROUND CONDITIONS. IT IS STRONGLY RECOMMENDED THAT SUCH WALLS BE BACKFILLED WITH FREE DRAINING MATERIALS. THE PROVISION OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF THE RETAINING FACE OF THE WALL IS DESIRABLE.

FACING BRICK/CLAY MASONRY UNITS - TYPE HD - F1 OR F2 AND S1 OR S2 UNITS. MORTAR DESIGNATION TO BE I OR II. HD - F2 AND S1 OR S2 UNITS WITH MORTAR DESIGNATION I TO BE USED WHERE THERE IS A CAPPING/COPING BUT NO WATERPROOFING ON THE RETAINING FACE. MORTAR TYPE II TO BE USED WHERE COPING AND WATERPROOFING IS USED ON RETAINING FACE. WHERE S1 GLAY MASONRY UNITS ARE USED SULPHATE - RESISTING PORTLAND CEMENT MAY BE NECESSARY IN THE MORTAR DEPENDANT UPON GROUND CONDITIONS. IT IS STRONGLY RECOMMENDED THAT SUCH WALLS BE BACKFILLED WITH FREE DRAINING MATERIALS. THE PROVISION OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF THE RETAINING FACE OF THE WALL IS DESIRABLE.

AGGREGATE CONCRETE BRICKS - WITH A MINIMUM COMPRESSIVE STRENGTH OF >16.5 N/mm² WITH MORTAR TYPE II TO BE USED WHERE COPING AND WATERPROOFING IS USED ON RETAINING FACE. MINIMUM COMPRESSIVE STRENGTH CLASS OF >30N/mm² WITH MORTAR TYPE I OR II TO BE USED WHERE COPING/CAPPING WITH NO WATERPROOFING ON RETAINING FACE. IT IS STRONGLY RECOMMENDED THAT SUCH WALLS BE BACKFILLED WITH FREE DRAINING MATERIALS. THE PROVISION OF AN EFFECTIVE COPING WITH A DPC AND WATERPROOFING OF THE RETAINING FACE OF THE WALL IS DESIRABLE.

WHERE COPING/CAPPING WITH NO WATERPROOFING ON RETAINING FACE IS USED A MORTAR DESIGNATION I OR II SHOULD BE USED. SOME TYPES OF AUTOCLAVED AERATED CONCRETE BLOCKS AND AGGREGATE CONCRETE BLOCKS ARE NOT SUITABLE FOR THE ABOVE CONDITIONS - THE SPECIFIC MANUFACTURER SHOULD BE CONSULTED IN THESE OCCASIONS. BLOCKWORK TO COMPLY WITH DS1-AC-1S SOIL CONDITIONS.

BACKFILL BEHIND WALL PROVIDED 100mm DIA. WAVIN COIL DRAIN WITH 150mm PEA GRAVEL SURROUND.

WALLS TO BE BACKFILLED WITH GRANULAR MATERIAL AS AGREED WITH ENGINEER. NO 'ON SITE' MATERIAL TO BE USED FOR BACKFILLING WITHOUT WRITTEN AGREEMENT.

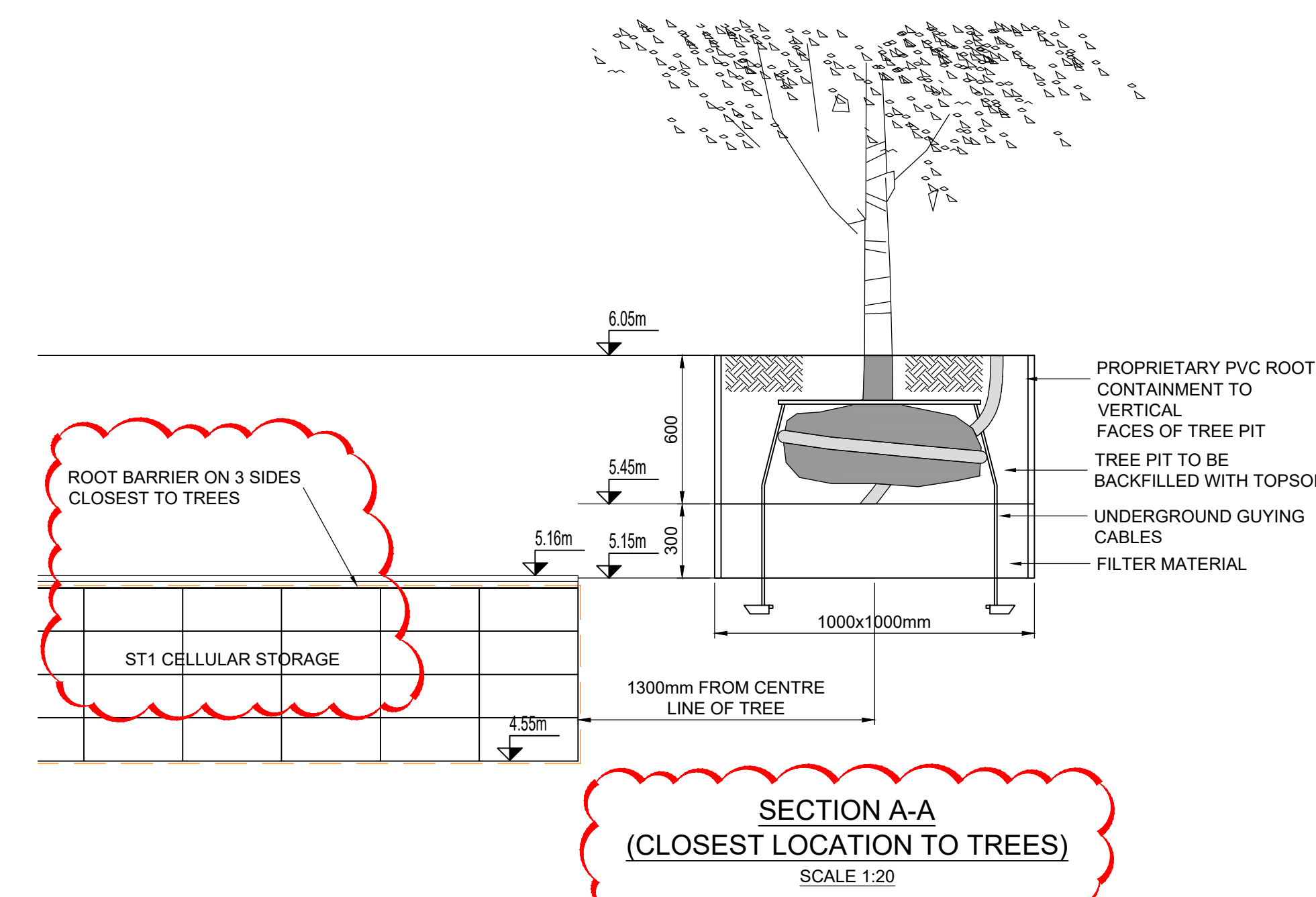
NO CONTRACTORS PLANT TO OPERATE BEHIND WALL DURING CONSTRUCTION OR ON COMPLETION OF RETAINING WALL.

SLOPE BEHIND WALL NOT TO EXCEED GRADIENT SHOWN ON SECTION DETAILS AT ANY TIME DURING CONSTRUCTION WORKS.

FOUNDATION NOTES ALL FOUNDATIONS TO BE REINFORCED A252 MESH. CONCRETE TO BE GRADE C28/35. FOUNDATION CONCRETE TO BE DS1-AC-1S GRADE IN ACCORDANCE WITH 1-2005 B.R.E. SPECIAL DIGEST-2005 CONCRETE IN AGGRESSIVE GROUND. 50mm BLINDING TO FOUNDATIONS THROUGHOUT.

FORMATION LEVEL TO BE INSPECTED BY ENGINEER. ANY REQUIRED OVERDIG TO BE BACKFILLED WITH LEAN MIX CONCRETE OR TYPE I GRANULAR MATERIAL COMPACTED TO D.T. SPECIFICATION.

TOP OF FOUNDATION NOT TO BE LOWERED BELOW DIMENSIONS GIVEN ON SECTION DETAILS.



SECTION A-A (CLOSEST LOCATION TO TREES) SCALE 1:20

DRAWINGS ISSUED BASED ON CONCEPTUAL DESIGN & ASSUMPTIONS MADE BY CHARLES SCOTT & PARTNERS.

INFORMATION WILL BE VERIFIED UPON RECEIPT OF THE FOLLOWING:

- DATE UPDATED SITE INVESTIGATION
- LOGS LINE LOADS
- LOGS FLOOR SPANS
- LOGS POINT LOADS FOR PADS
- ARCHITECTS CO-ORDINATION

NOTES:

ASSUMED FORMATION LEVEL FROM RIDGE SITE INVESTIGATION IS 3.4m A.O.D.

FOUNDATION TO BE PLACED ON BROWN FIRM / STIFF CLAY WITH A BEARING CAPACITY OF 150 kN/m².

WATER TABLE AT 1-1.7m BELOW GROUND CONTRACTOR TO CARRY OUT DEWATER AS NECESSARY.

REMOVE ANY MADE GROUND/SOFT SPOTS AND FILL WITH TRENCHFILL.

FORMATION LEVEL TO BE WELL BELOW ANY TREE ROOTS.

ALL CONCRETE TO BE GRADE C28/35 UNLESS NOTED OTHERWISE.

REV.	DESCRIPTION	DATE	PREP.	CHECKED
1	REVISED AS CLOUTED	AUG/23	CM	UC
2	DIRECTION TO DETAILS NOTED ON SECTION 1-1	MAR/23	JPC	UC
3	SECTION 2-2 AND SECTION 3-3	NOV/24	BM	UC
4	THICKNESS OF AGGREGATE ON PERMEABLE PAVING DETAILS ADDED. THICKNESS VALUES CHANGED	NOV/24	BM	UC
5	TREE ROOT PROTECTION ADDED	NOV/24	JPC	UC
6	TREE CONTAINMENT DETAIL ADDED	NOV/24	BM	UC
7	UPPER LEVELS ADDED. DETAIL CHANGES	AUG/24	BM	UC
8	FIRST CONSTRUCTION ISSUE	JUN/24	BM	UC
9	RETAINING WALL DETAIL REMOVED	JUN/24	BM	UC
Rev.	Description	Date	Prep.	Checked

STATUS

CONSTRUCTION

CLIENT

SIMPLY UK

LOCATION

HOCK LINE, PUGHAM, PO21 3PB

GROWING THE EXTERNAL WORKS

CONSTRUCTION DETAILS

DATE

PROJECT

9418

DATE

9418

DATE

9418

CHARLES SCOTT & PARTNERS CONSULTING ENGINEERS

Venison Building

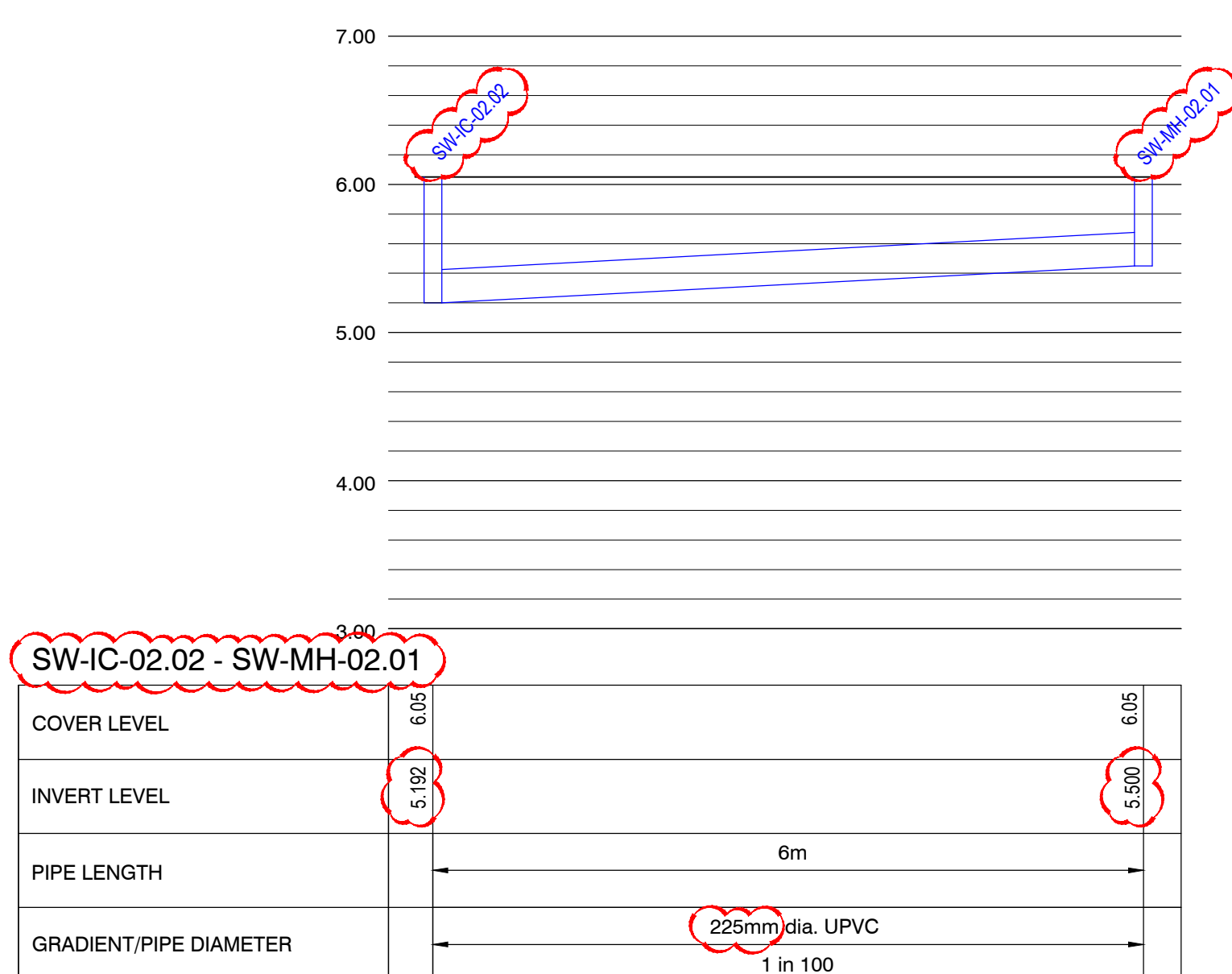
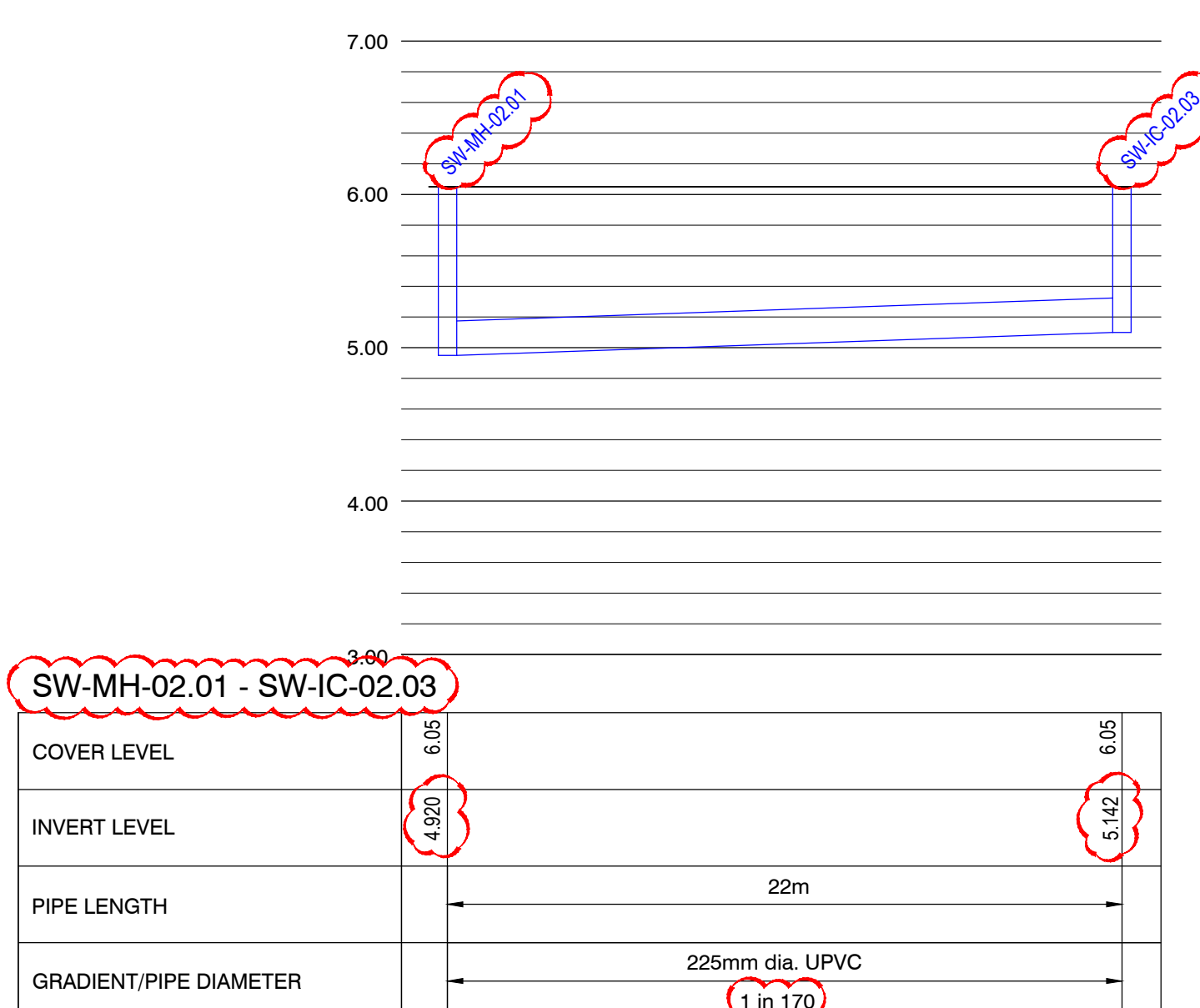
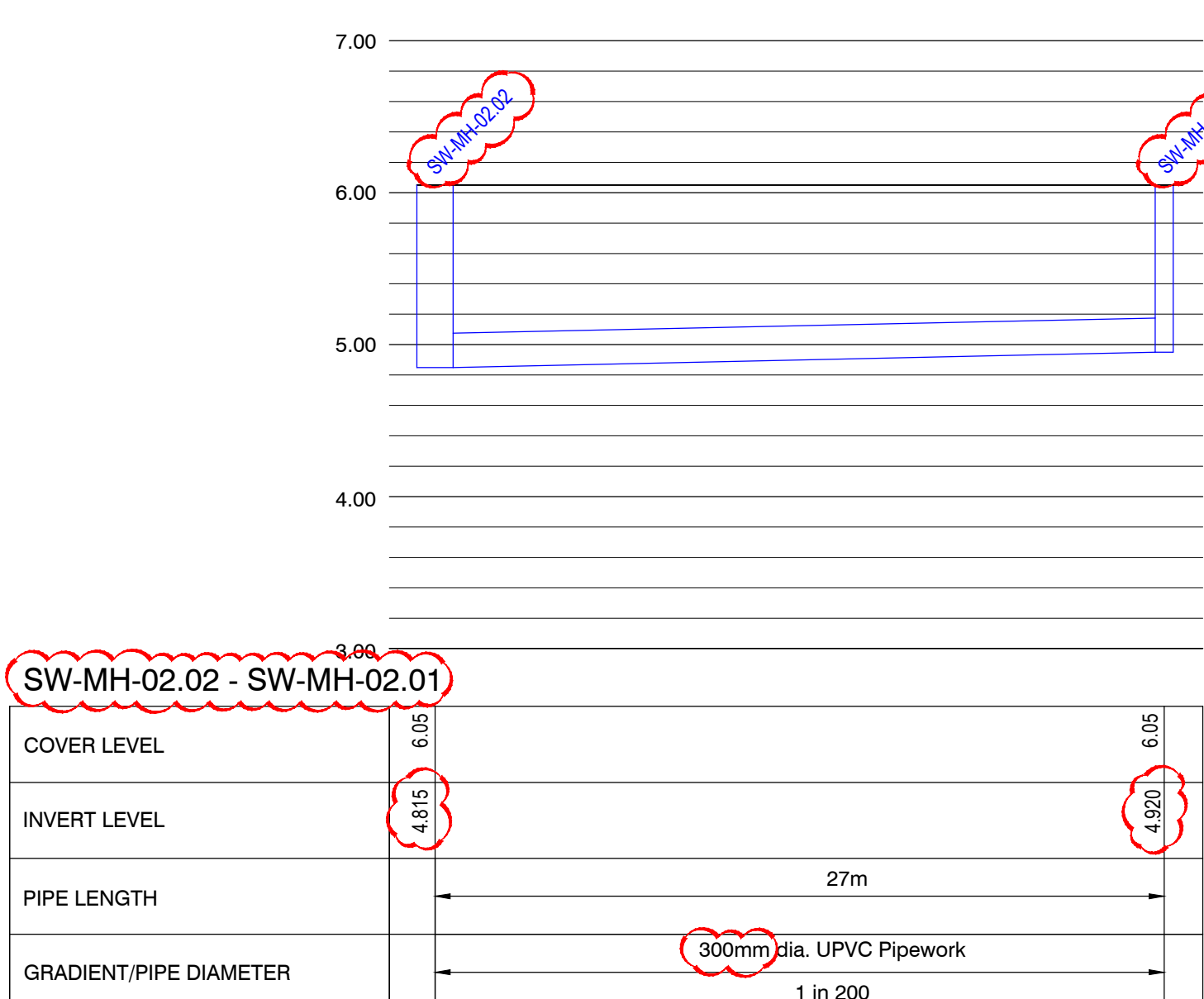
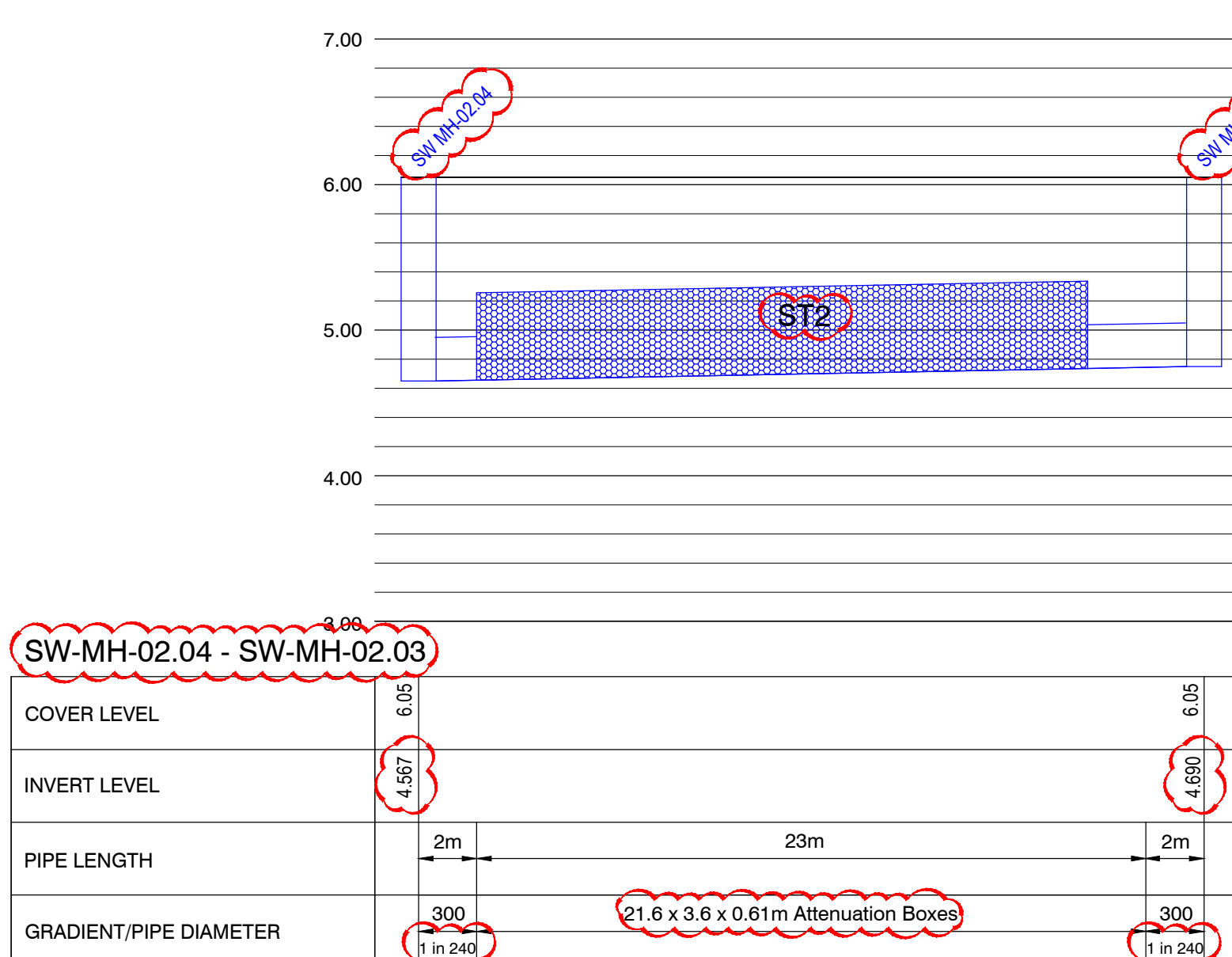
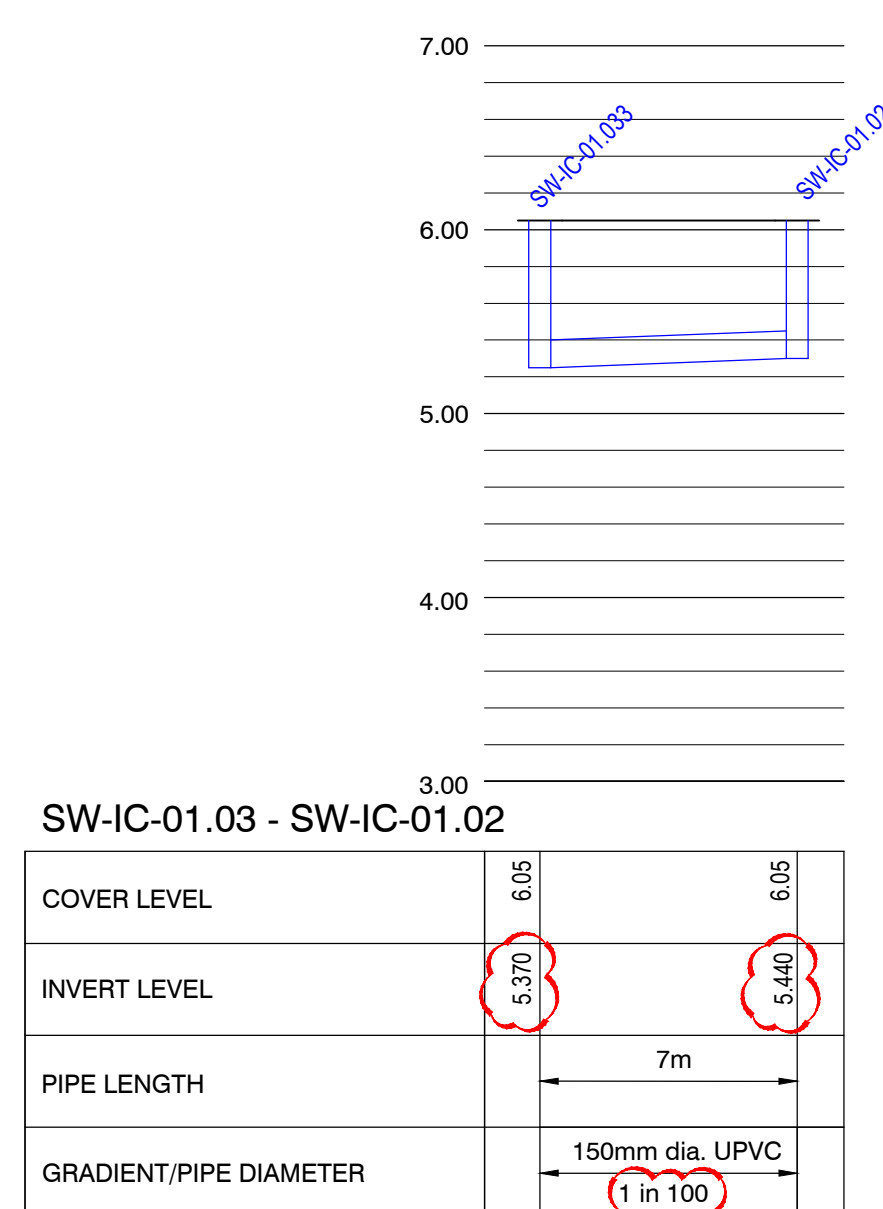
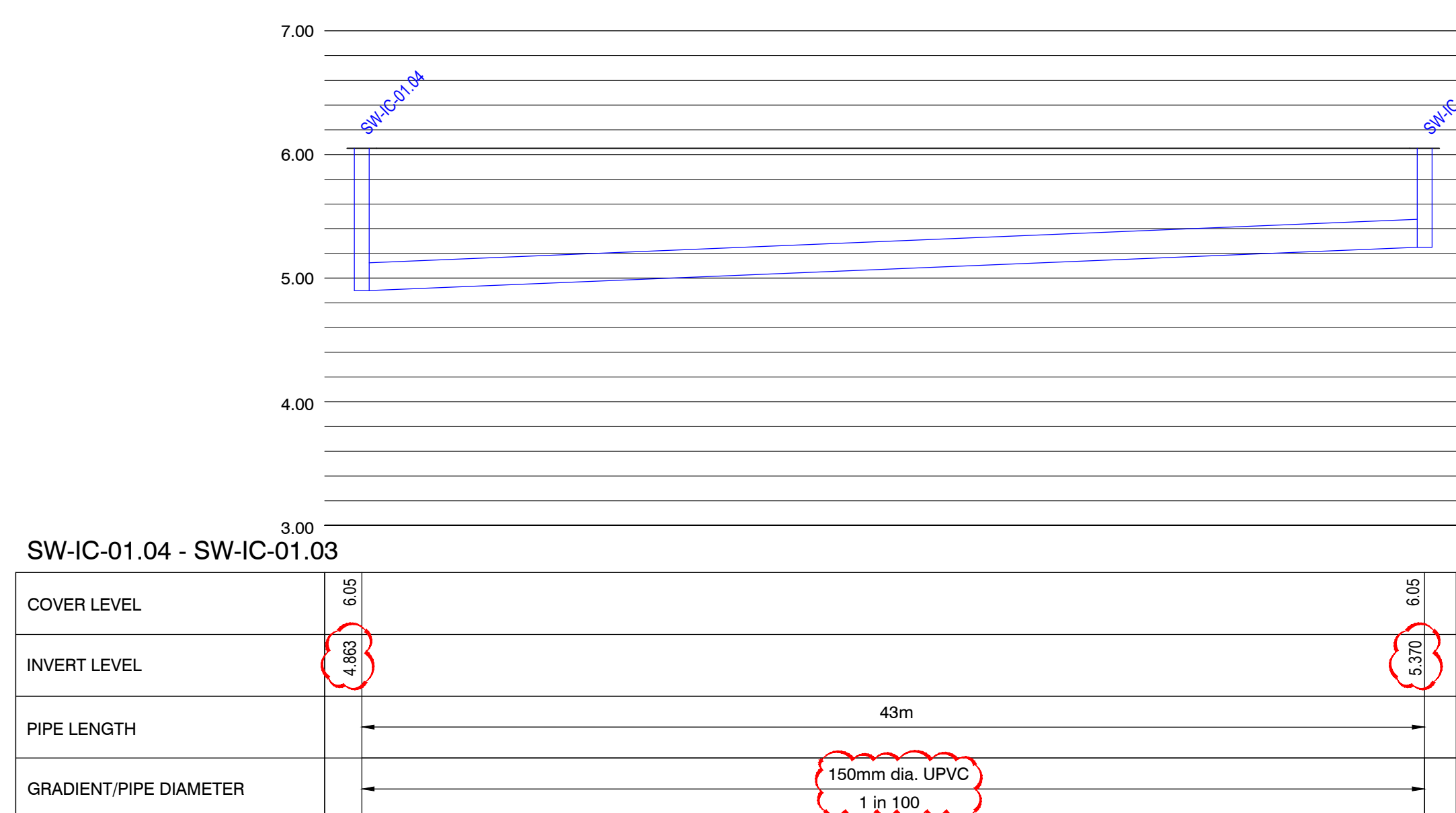
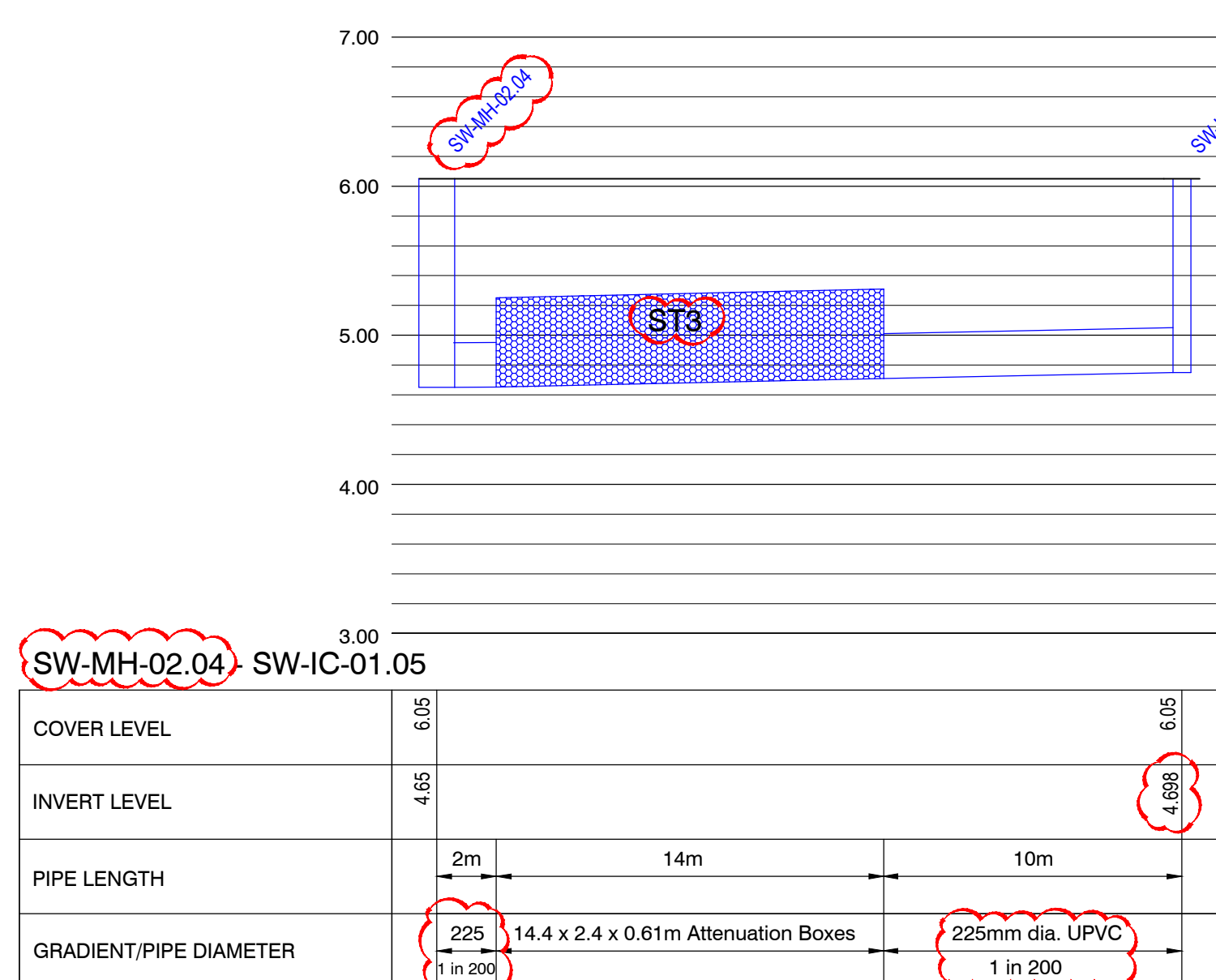
349 Bath Street

Glasgow G2 4AA

tel: 0141 333 2464

fax: 0141 333 2873

www.charles-scott.co.uk



DRAWINGS ISSUED BASED ON CONCEPTUAL DESIGN & ASSUMPTIONS MADE BY CHARLES SCOTT & PARTNERS.

INFORMATION WILL BE VERIFIED UPON RECEIPT OF THE FOLLOWING :-

- RIDGE UPDATED SITE INVESTIGATION
- LGS LINE LOADS
- LGS FLOOR SPANS
- LGS POINT LOADS FOR PADS
- ARCHITECTS CO-ORDINATION

NOTES:

ASSUMED FORMATION LEVEL FROM RIDGE SITE INVESTIGATION IS 3.4m A.O.D.

FOUNDATION TO BE PLACED ON BROWN FIRM / STIFF CLAY WITH A BEARING CAPACITY OF 150 kN/m².

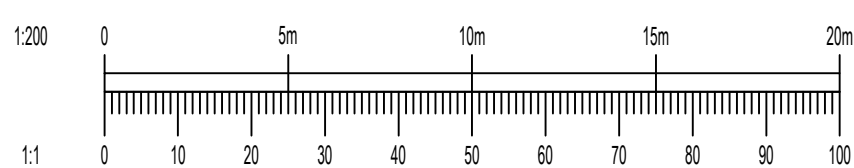
WATER TABLE AT 1-1.7m BELOW GROUND CONTRACTOR TO CARRY OUT DEWATER AS NECESSARY.

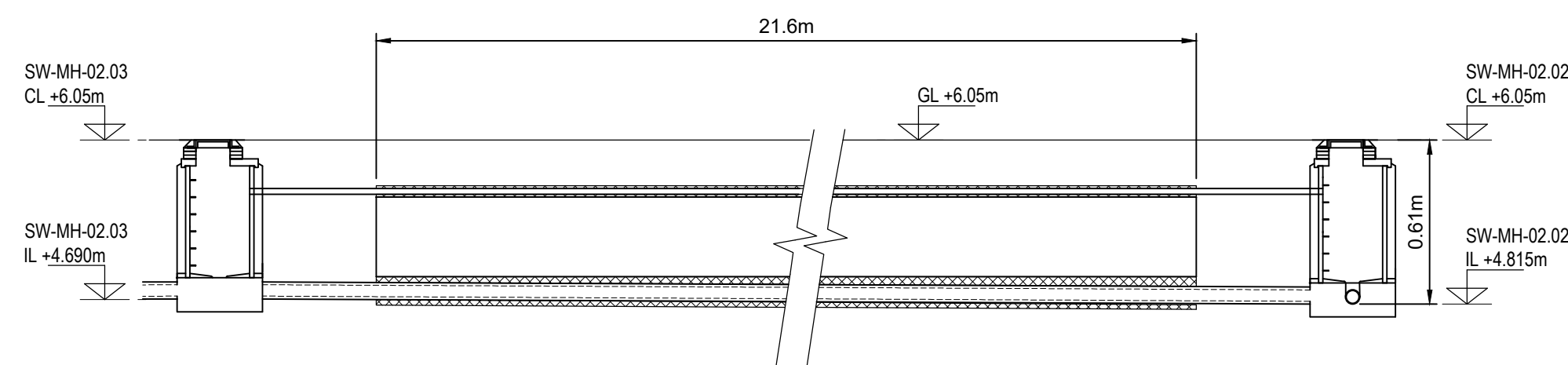
REMOVE ANY MADE GROUND/SOFT SPOTS AND FILL WITH TRENCHFILL

FORMATION LEVEL TO BE WELL BELOW ANY TREE ROOTS

ALL CONCRETE TO BE GRADE C28/35 UNLESS NOTED OTHERWISE

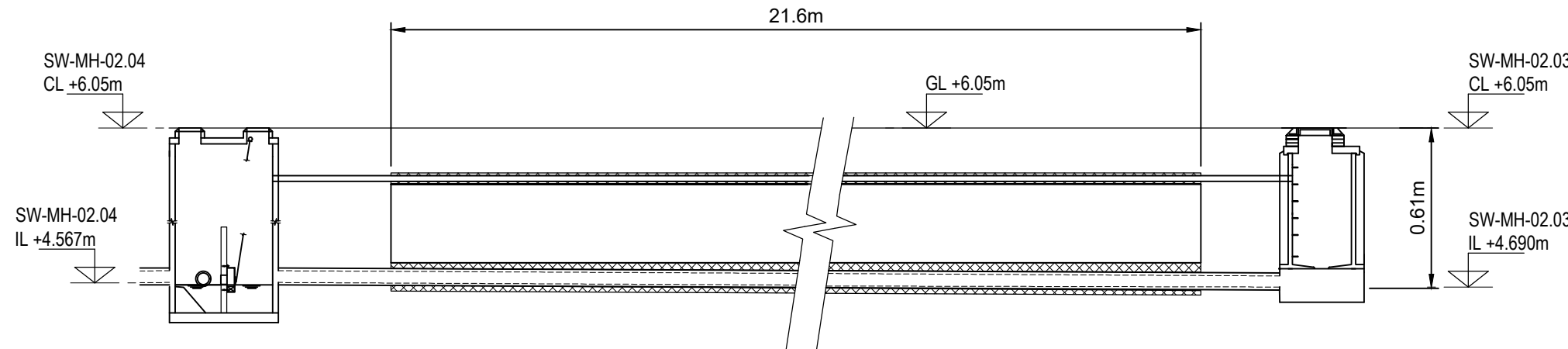
C				REVISED AS CLOUDDED	AUGUST	GM	LC
F				REVISIONS FOR THE CHAIRMAN AND MANRODIE HAWING CONSTRUCTION UPDATED	NOV 21	JPC	LC
A				PREP CONSTRUCTION ISSUE	2017 07		
Description				Define	Initial	Checked	
Notes				CONSTRUCTION			
Client				SIMPLYK			
							
Location				HOCK LANE, PAGHAM, PO21 3PB			
Drawing title				SURFACE DRAINAGE SECTIONS			
Date				2016 JAN 24			
Drawn by				BM			
Scale				1:500			
Checked by				JPC			
Date				JAN 24			
Circ. by				C005			





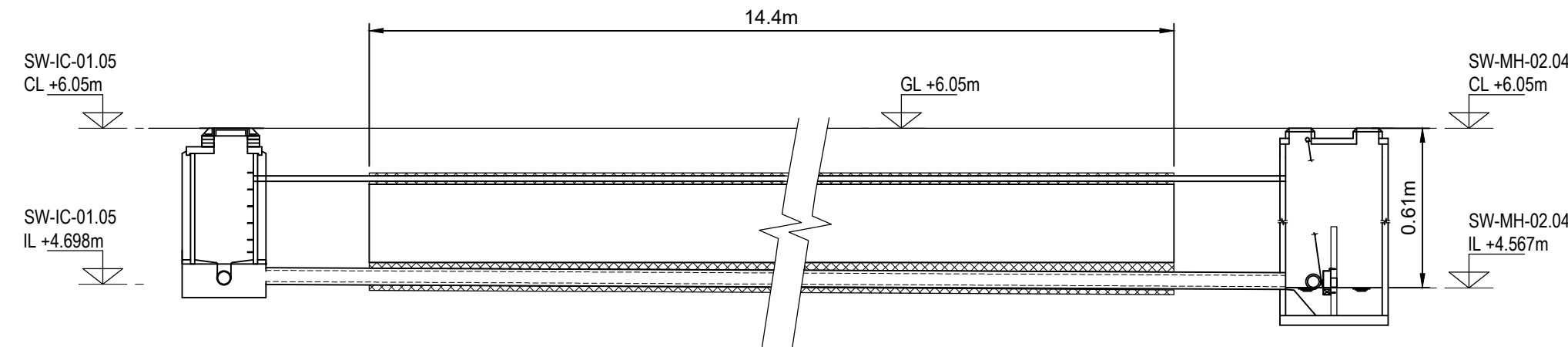
GRAF ECOBLOC MAXX STORAGE SYSTEM (ST1)
(21.6x2.4x0.61m - 30.04m³)

SCALE 1:100



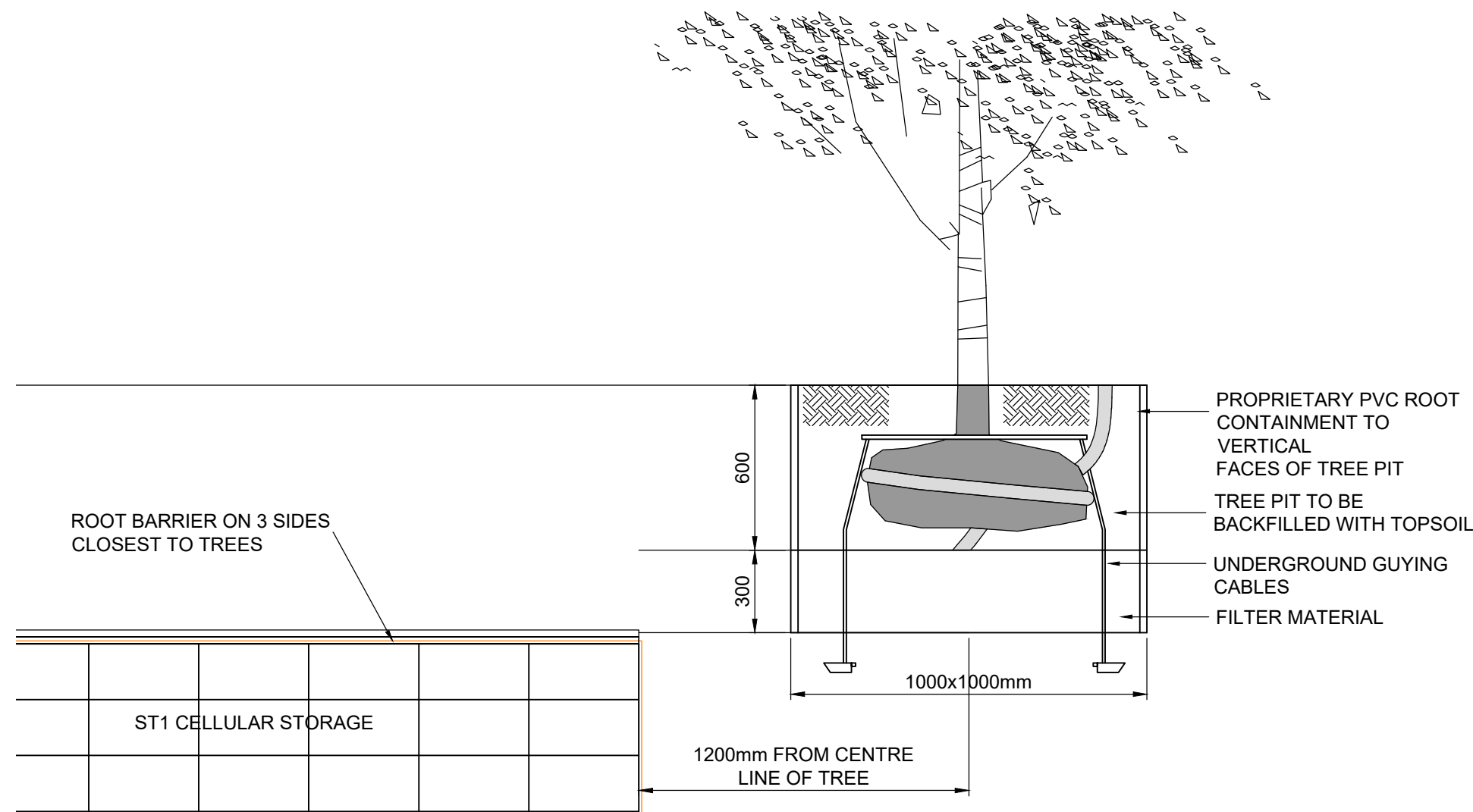
GRAF ECOBLOC MAXX STORAGE SYSTEM (ST2)
(21.6x3.6x0.61m - 45.06m³)

SCALE 1:100

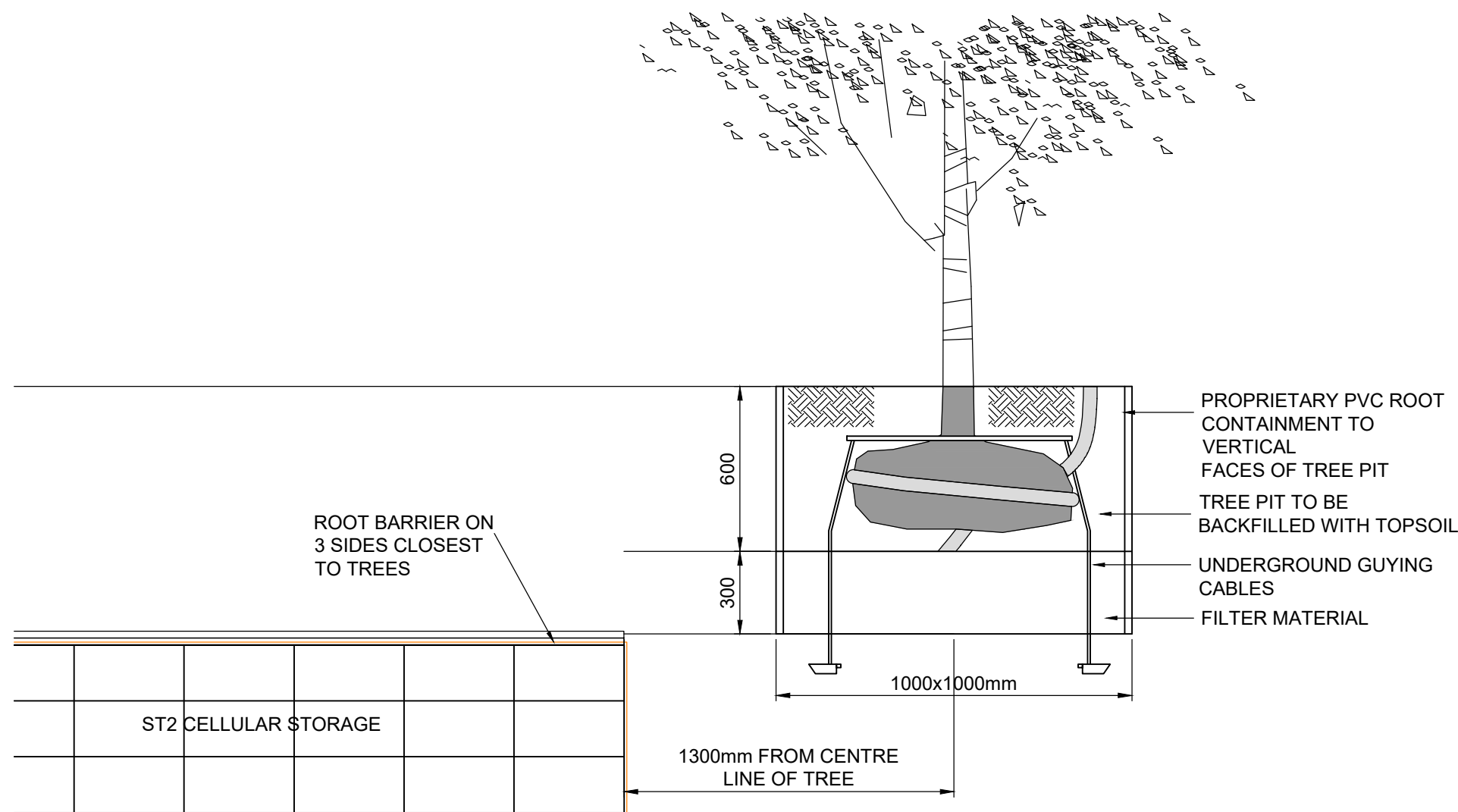


GRAF ECOBLOC MAXX STORAGE SYSTEM (ST3)
(14.4x2.4x0.61m - 20.0m³)

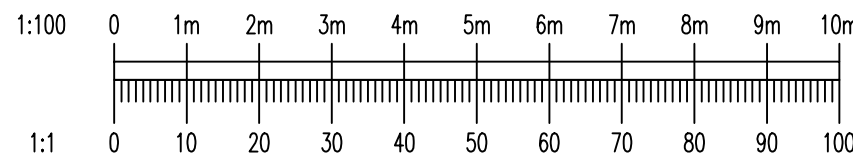
SCALE 1:100



ST1
(CLOSEST LOCATION TO TREES)
SCALE 1:20



ST2
(CLOSEST LOCATION TO TREES)
SCALE 1:20



Rev.	Description	Date	Initials	Checked
Status				
CONSTRUCTION				
Client				
SIMPLY UK				
Location				
HOOK LANE, PAGHAM, PO21 3PB				
Drawing Title				
ST1-ST3 GRAF ECOBLOC DETAILS				
Date				
AUG25				
Drawn by				
CM				
Scale @ A1				
1:100 & 1:20				
Checked				
LC				
Date				
AUG25				
Project Ref.				
9418				
Dwg. No.				
C016				
Rev.				
/				