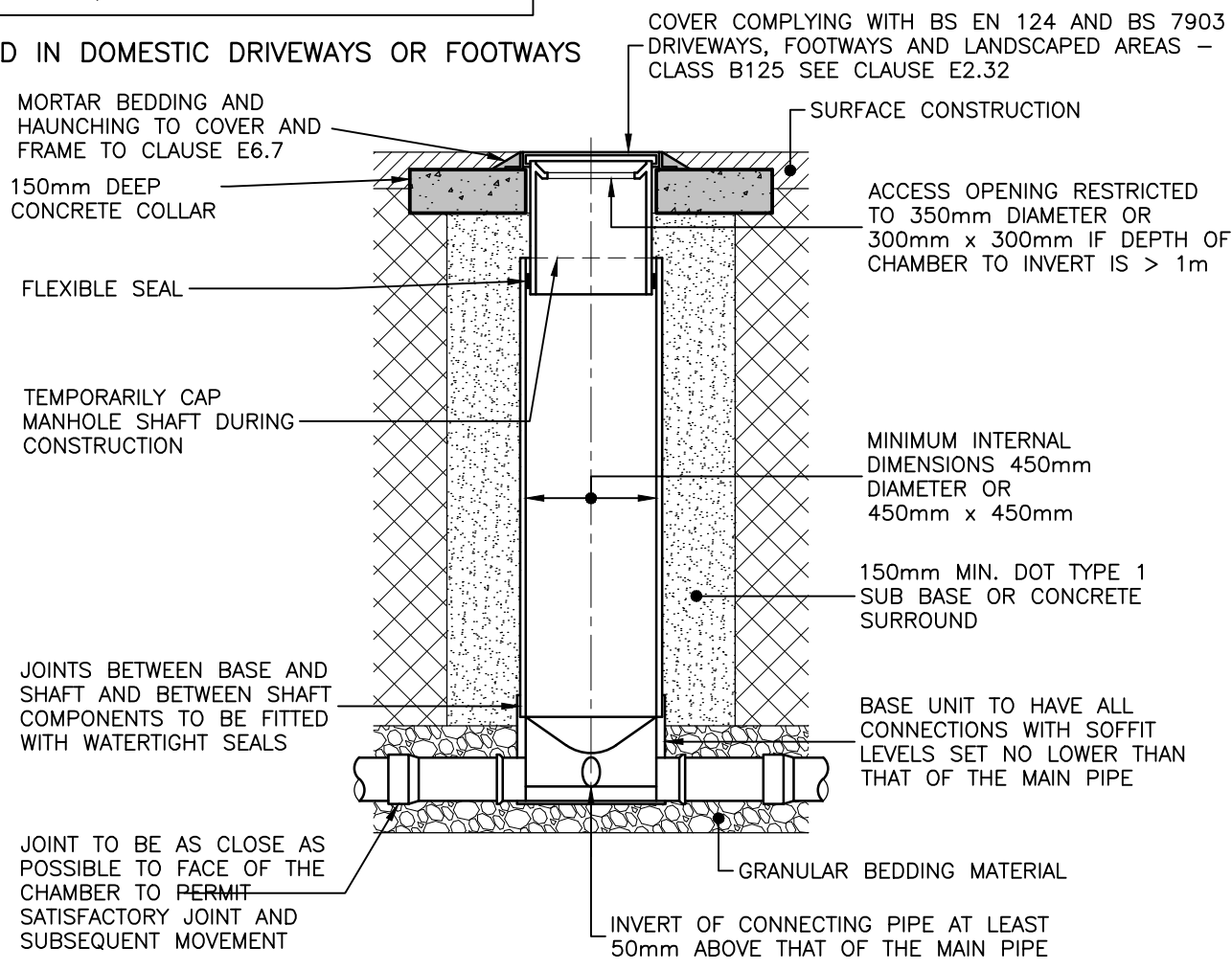


PLASTIC CHAMBERS AND RINGS SHALL COMPLY WITH BS EN 13598-1 AND BS EN 13598-2 OR HAVE EQUIVALENT INDEPENDENT APPROVAL

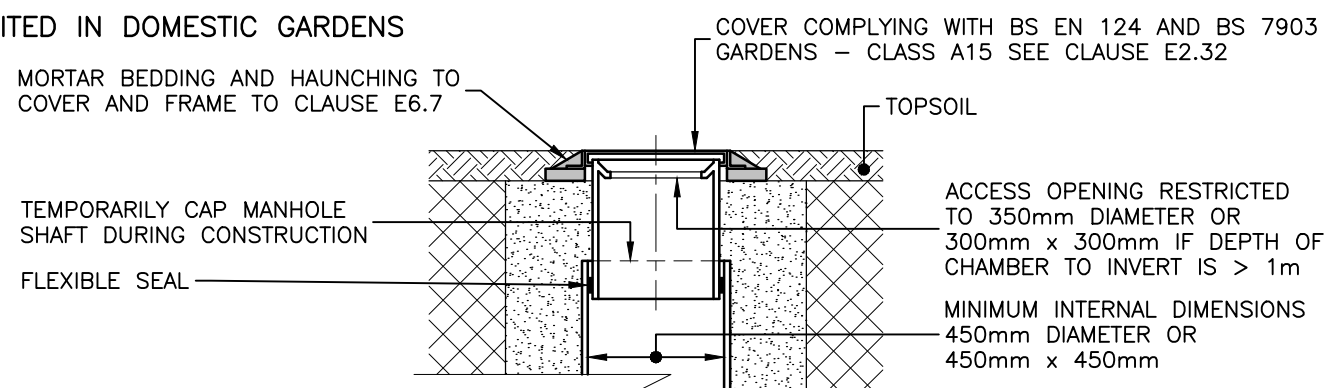
SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS



TYPICAL ACCESS CHAMBER DETAIL - TYPE D (FLEXIBLE MATERIAL DETAIL)

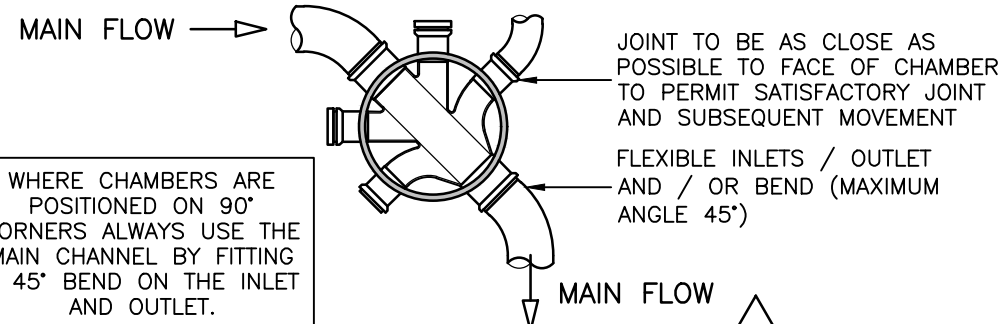
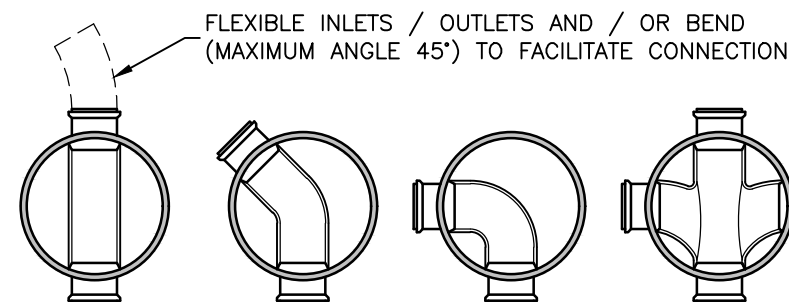
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON-ENTRY (1:25@A1)

SITED IN DOMESTIC GARDENS



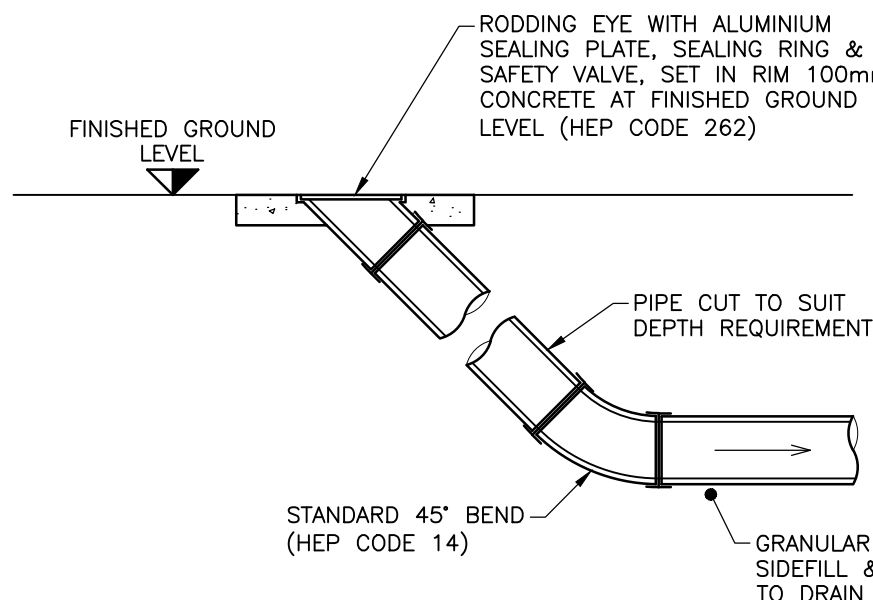
ALTERNATIVE COVER DETAIL FOR LANDSCAPED AREAS - TYPE D

(1:25@A1)



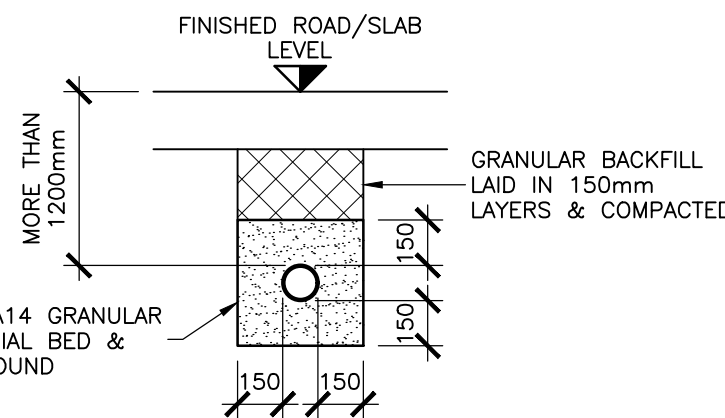
ALTERNATIVE BASE LAYOUTS FOR TYPE D CHAMBERS

(1:25@A1)



RODDING EYE DETAIL (VC SHOWN - PVCu ALTERNATIVE TO SUIT)

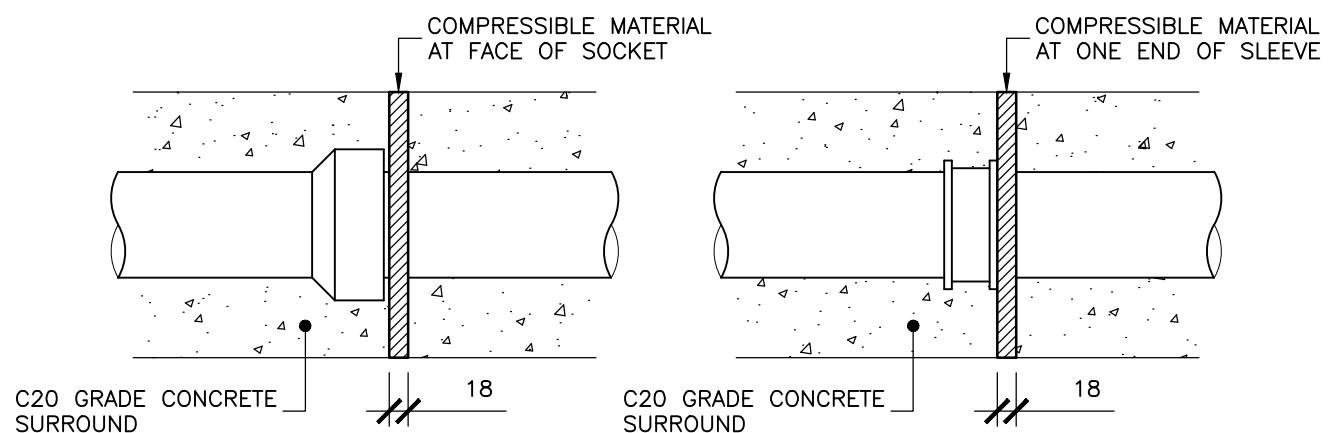
(1:25@A1)



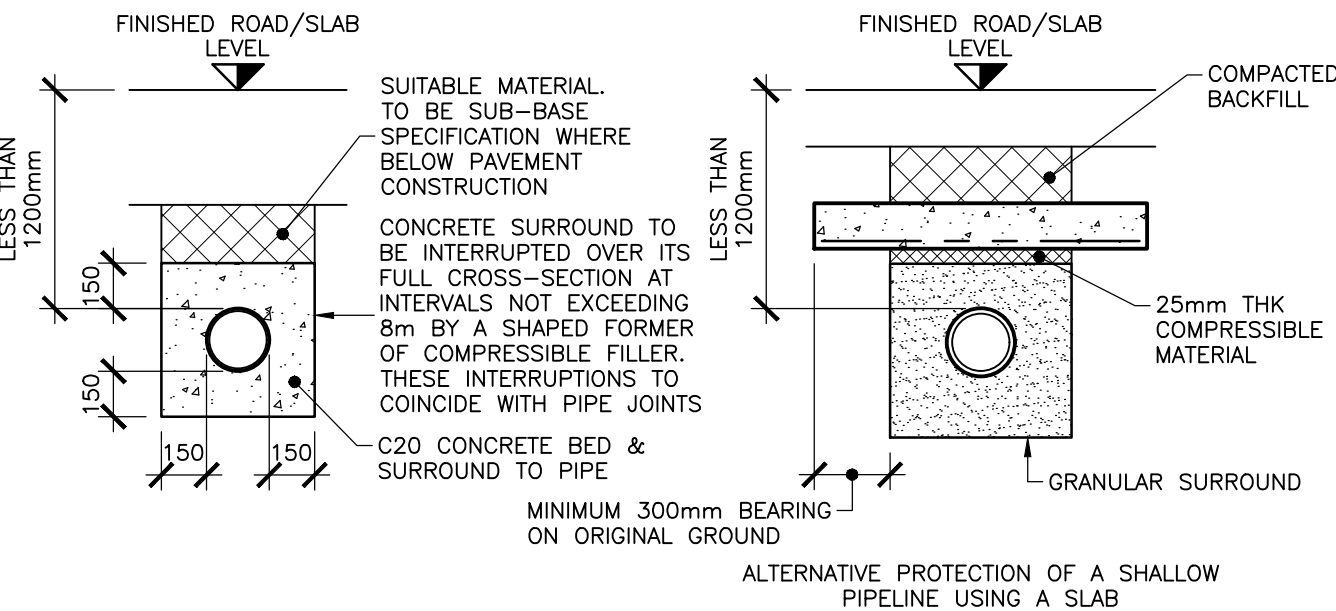
PIPE BED & SURROUND DETAIL (CLASS S)

(1:25@A1)

NOMINAL BORE OF PIPE (mm)	SIZE (mm)	
	SINGLE-SIZED	GRADED
100 & 150	10	-
225 & 300	10 OR 20	20 TO 5
375 - 500	20	20 TO 5

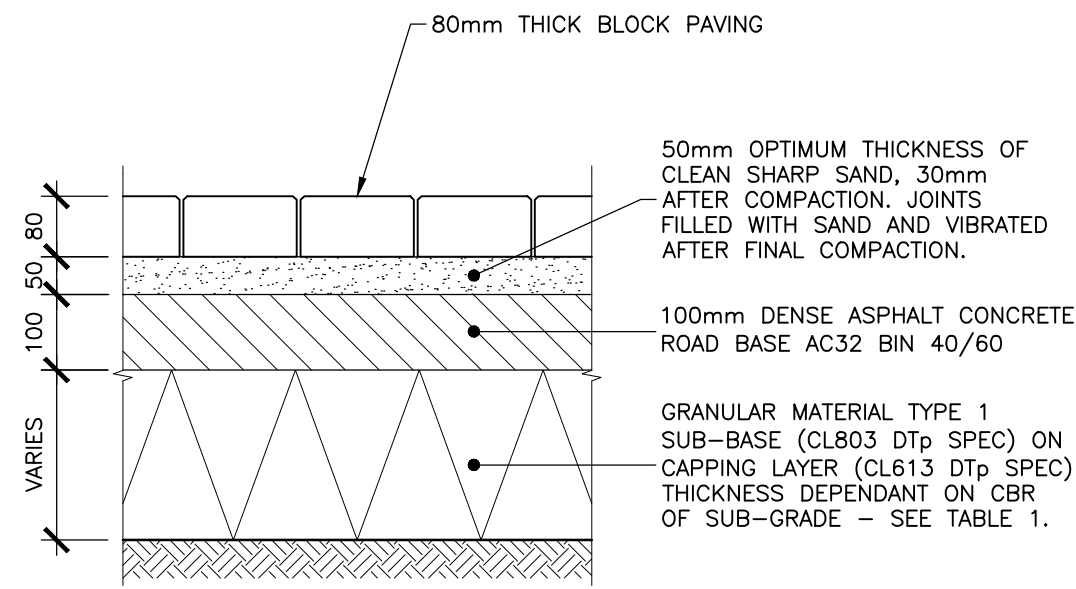


THE FLEXIBILITY OF A PIPELINE BEDDED ON, OR SURROUNDED WITH, CONCRETE SHOULD NORMALLY BE MAINTAINED BY THE PROVISION OF FLEXIBLE CONSTRUCTION JOINTS THROUGH THE CONCRETE AT PIPE JOINTS. THESE SHOULD BE MADE FROM BITUMEN IMPREGATED INSULATING BOARD COMPLYING WITH B.S. 1142 PART 3, OR OTHER EQUALLY COMPRESSIBLE FILLER MATERIAL SUCH AS EXP&D POLYSTYRENE. THE BOARD SHOULD BE CUT TO FIT THE PIPES & PLACED AT THE FACE OF THE PIPE SOCKETS OR AT ONE END OF SLEEVE JOINTS. THE JOINT MATERIAL SHOULD BE AT LEAST 18mm THICK PLACED AT 5.0m CENTRES MAX.



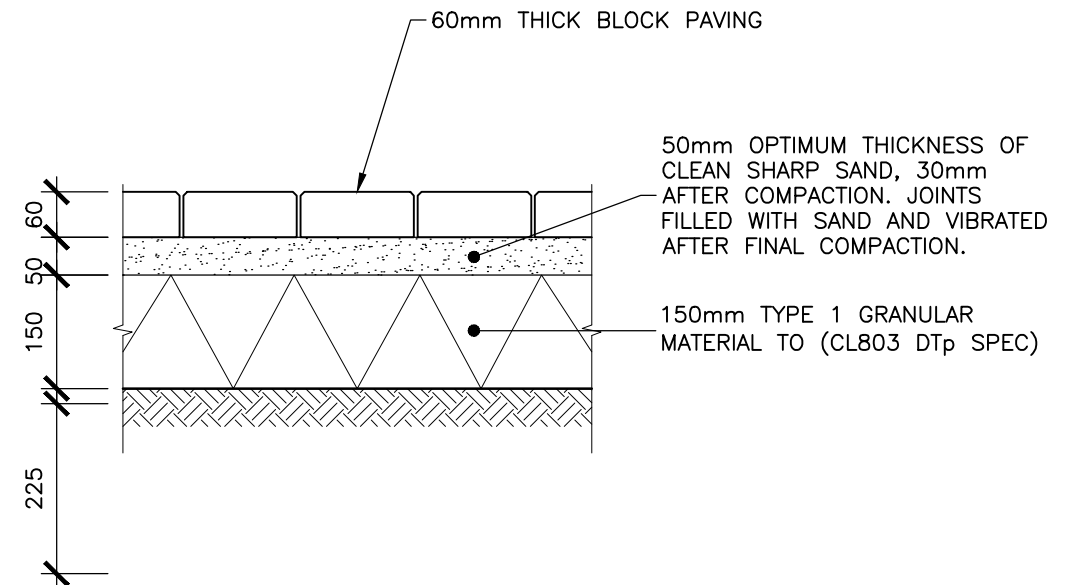
PROTECTION TO PIPELINES WITH LESS THAN 1200mm COVER

(1:25@A1)



BLOCK PAVING CONSTRUCTION DETAIL - VEHICULAR ACCESS

(1:10)

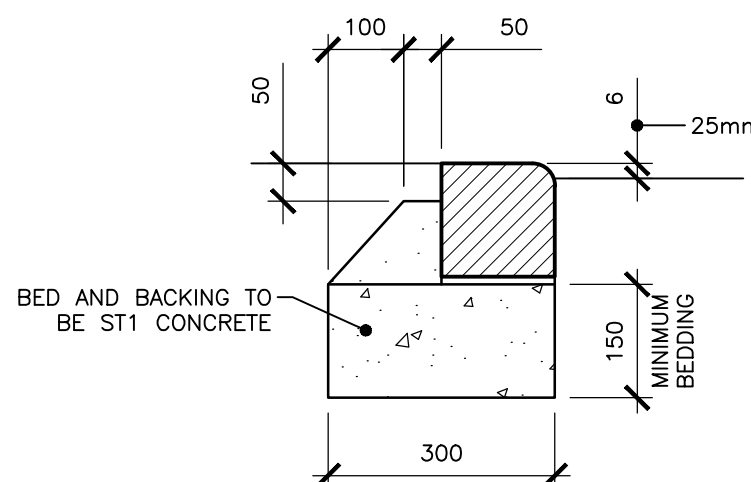


BLOCK PAVING CONSTRUCTION DETAIL - NO VEHICULAR ACCESS

(NO HEAVY VEHICLE ACCESS) (1:10)

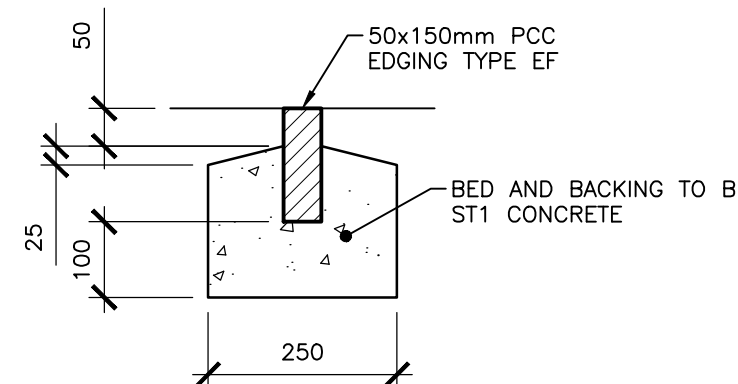
TABLE 1		
CBR OF SUB-GRADE*	THICKNESS(mm) TYPE 1 SUB-BASE	THICKNESS(mm) CAPPING LAYER
LESS THAN 2%	150	600
2% - 5%	150	350
5% OR GREATER	225	-

NOTES
*1. INSITU TESTS TO BE CARRIED OUT PRIOR TO CONSTRUCTION TO ASCERTAIN CBR VALUES.
2. IN ANY EVENT, THE OVERALL CONSTRUCTION THICKNESS SHOULD NOT BE LESS THAN 450mm IRRESPECTIVE OF THE SUB-GRADE CBR VALUE.



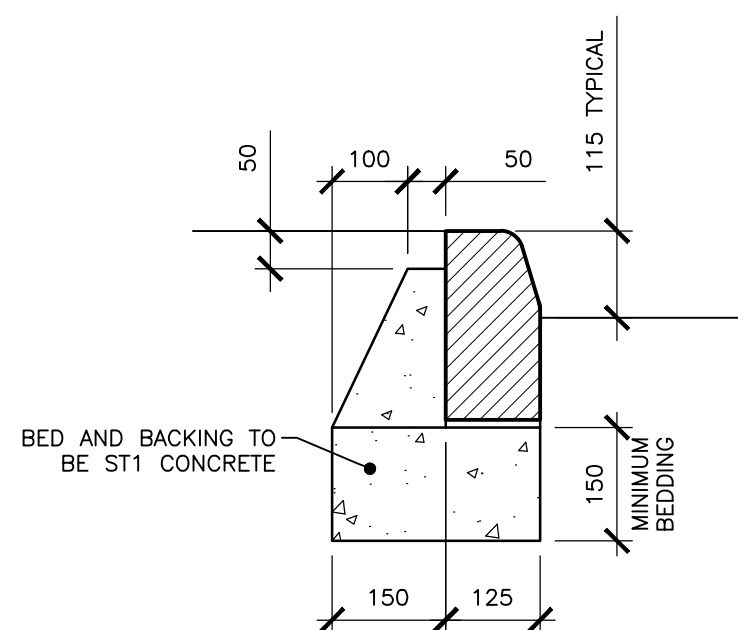
KERB TYPE BN DETAIL (DROPPED KERB)

(1:10@A1)



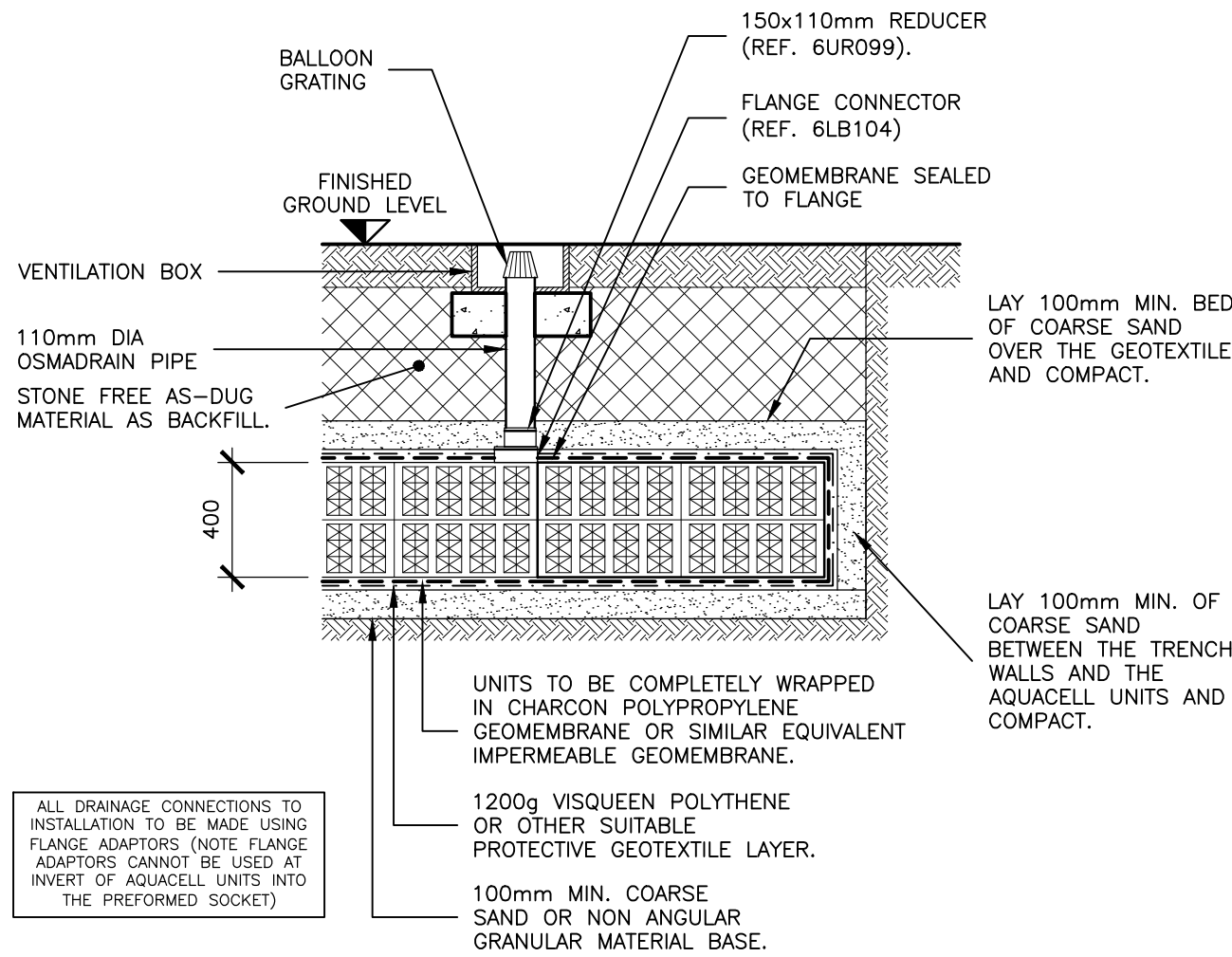
PCC EDGING DETAIL

(1:10@A1)



KERB TYPE HB 2 DETAIL

(1:10@A1)



STORM WATER ATTENUATION TANK

WAVIN / OSMA 'AQUACELL' ATTENUATION INSTALLATION WITH VENT PIPE DETAIL (SCALE 1:25)

NOTES

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GENERAL NOTES

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS AND SPECIALISTS DRAWINGS AND DETAILS.
- ALL FIGURED DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALED DIMENSIONS.
- ANY DISCREPANCIES BETWEEN THIS DRAWING AND OTHER INFORMATION IS TO BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF THE WORKS ON SITE.
- THE MAIN CONTRACTOR SHALL BE RESPONSIBLE FOR THE SETTING OUT AND ACCURACY OF ALL DIMENSIONS.
- MAIN CONTRACTOR TO PROVIDE AND FIX SUITABLE BRACING AND PROPPING FOR ALL ELEMENTS IN THE TEMPORARY CONDITION DURING CONSTRUCTION STAGE, SUCH AS TO ENSURE STRUCTURE STABILITY AT ALL TIMES.
- IT IS THE CONTRACTORS SOLE RESPONSIBILITY FOR ASCERTAINING SAFE DISPOSAL OF ANY OFF-SITE EXCAVATED SPOIL. NO CLAIM RESULTING FROM ABNORMAL TIP REQUIREMENTS WILL BE ENTERTAINED.

DRAINAGE

- ALL MATERIALS AND WORKMANSHIP TO SEWERAGE SECTOR DESIGN AND CONSTRUCTION GUIDANCE. DOCUMENT APPENDIX C APPROVED VERSION 2.1.
- ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH BS EN 752-1: 2008
- WHEN USING VITRIFIED CLAY PIPEWORK WITH FLEXIBLE JOINTS, SUPERSTRENGTH SHALL BE USED. ALL ADAPTABLE WORKS SHALL USE V.C PIPEWORK. FOR NON-ADOPTED SYSTEM PVCU-SN4 CLASS PIPEWORK AND FITTINGS MAY BE SUBSTITUTED.
- CONCRETE ENCASEMENT, MINIMUM 150 BED AND HAUNCH, TO BE USED ON PIPEWORK UNDER ROADS WITH LESS THAN 1200 COVER TO CROWN UNLESS NOTED OR INDICATED OTHERWISE.
- UNLESS OTHERWISE STATED, ALL PIPEWORK TO BE BEDDED AND SURROUNDED IN 10mm SINGLE SIZE AGGREGATE UP TO 450mm DIAMETER. FOR LARGER PIPEWORK, 20mm SHALL BE USED.
- REFER TO MANHOLE SCHEDULE FOR SIZES, COVERS ETC.
- ALL MATERIALS TO COMPLY WITH THE RELEVANT BS-EN, LATEST EDITION, FOR PIPEWORK AND FITTINGS.
- UPON COMPLETION, ALL WORKS TO BE THOROUGHLY CLEANED BY FLUSHING.

B	30.03.2023	S1 AND S1A MANHOLE COVERS AMENDED.	JMB
A	21.03.2023	MANHOLE DETAILS S1 AND S1A ADDED.	JMB
P3	30.05.22	PRELIMINARY ISSUE	CH
P2	23.05.22	PRELIMINARY ISSUE	CH
P1	25.04.22	PRELIMINARY ISSUE	JMB
Rev.	Date	Description	By

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Client
PMC CONSTRUCTION.

Architect
HGP ARCHITECTS LTD.

Project title

REDEVELOPMENT OF OLD POST OFFICE SITE, HIGH STREET, EASTLEIGH.

Drawing title
DRAINAGE & EXTERNAL WORKS DETAILS.

Scale	Paper size	Date	Drawn by	Checked by	Status
AS SHOWN	A1	APRIL, 2022	JMB	CH	

Name
Project code / No. / Originator / Zone / Level / Type / Role / Number / Revision

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