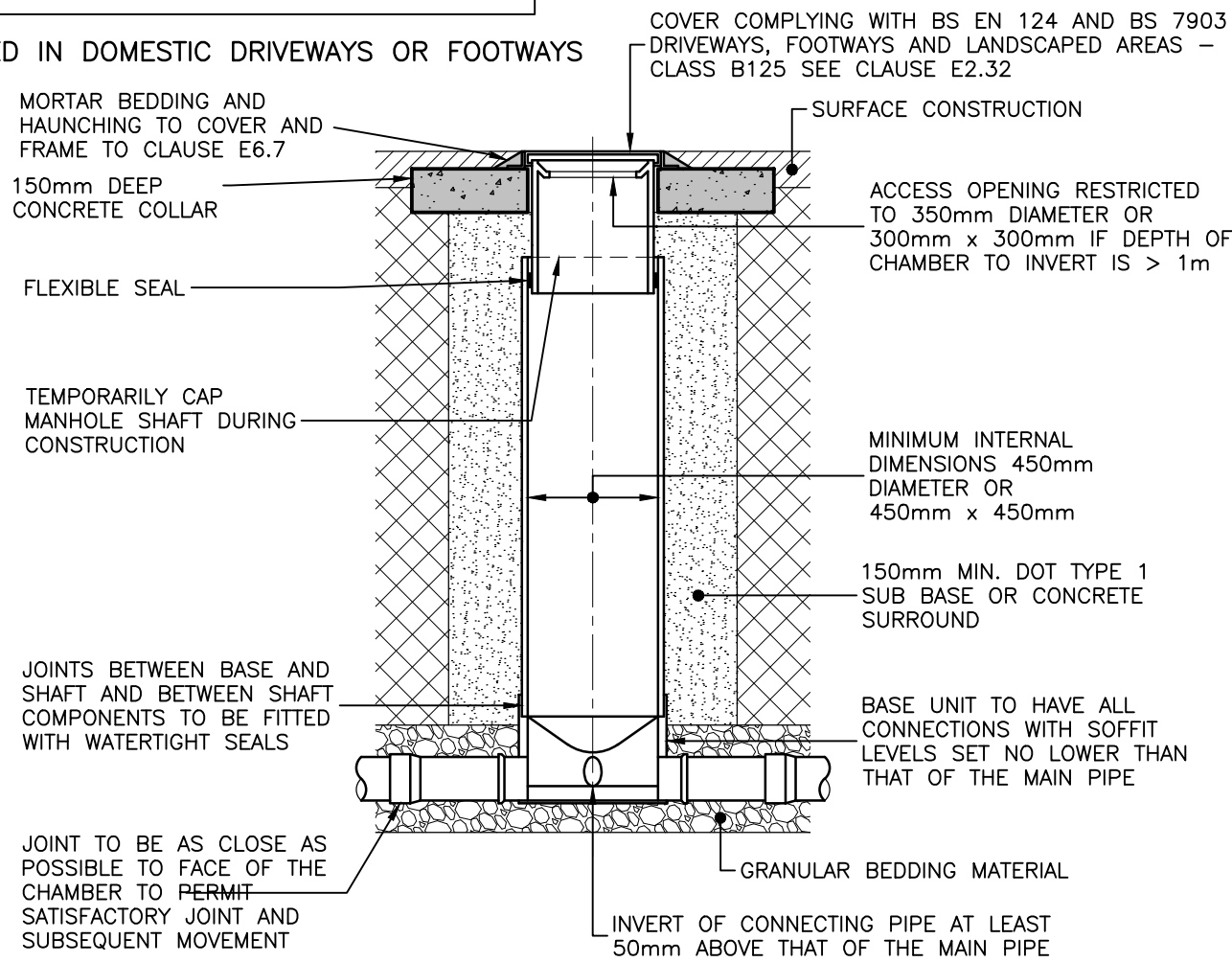


0 10 20 30 40 50 60
CHECK SCALE 1:10 @ A1 / 1:20 @ A3

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

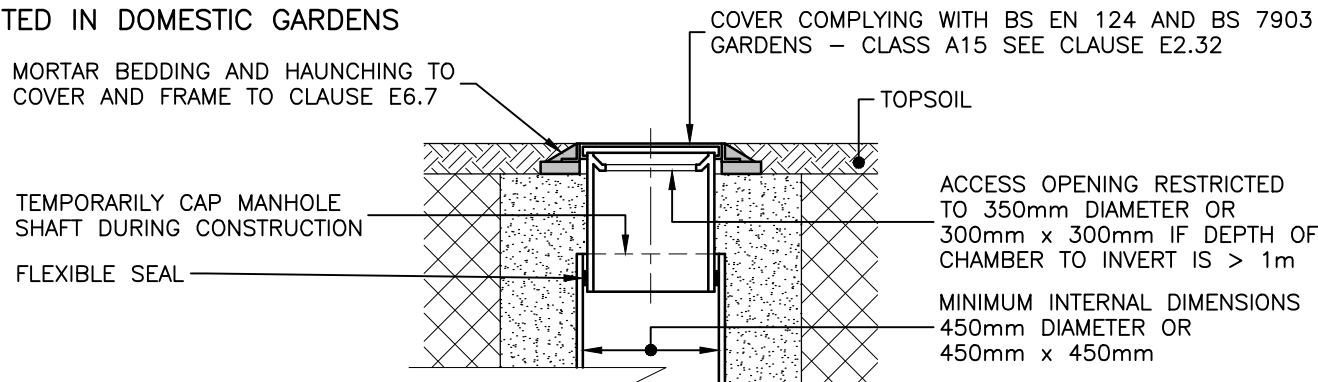
SITED IN DOMESTIC DRIVEWAYS OR FOOTWAYS



TYPICAL ACCESS CHAMBER DETAIL - TYPE 3 (FLEXIBLE MATERIAL DETAIL)

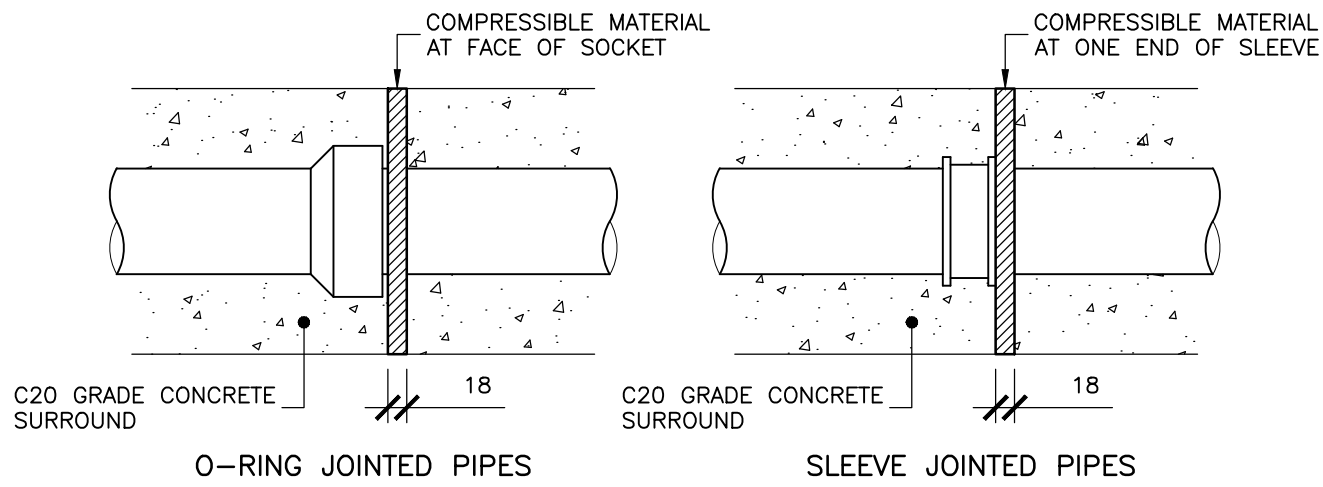
MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3m, NON-ENTRY
(1:25@A1)

SITED IN DOMESTIC GARDENS

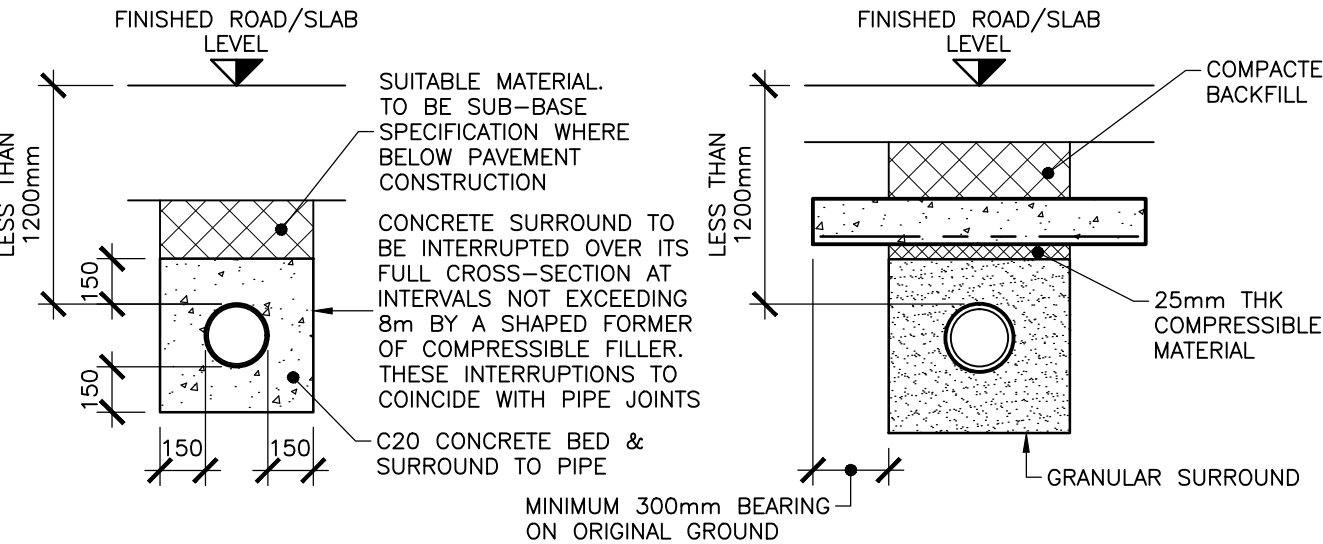


ALTERNATIVE COVER DETAIL FOR LANDSCAPED AREAS - TYPE 3

(1:25@A1)

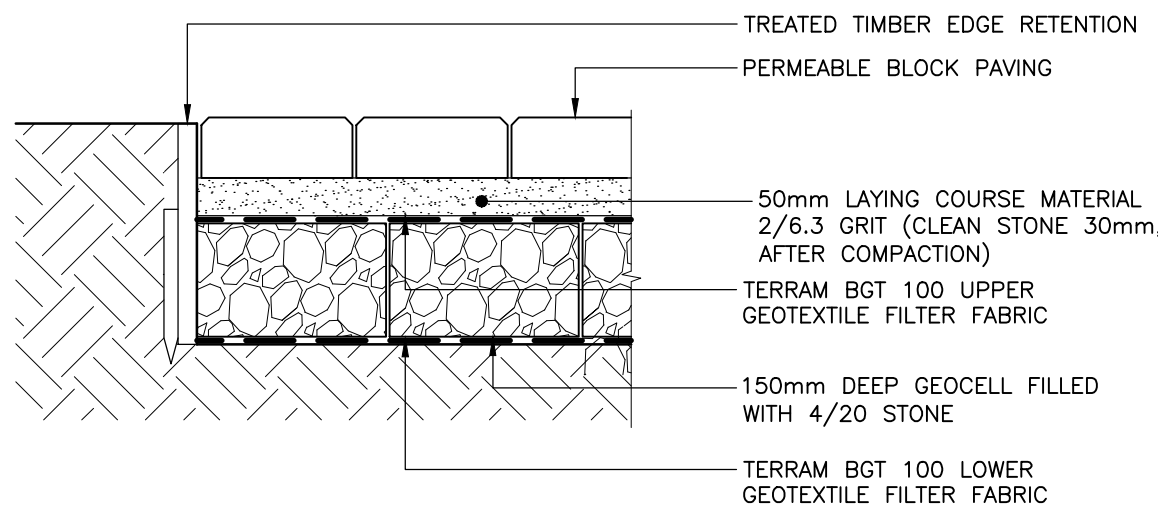


THE FLEXIBILITY OF A PIPELINE BEDDED ON, OR SURROUNDED WITH, CONCRETE SHOULD NORMALLY BE MAINTAINED BY THE PROVISION OF FLEXIBLE CONSTRUCTION JOINTS THROUGH THE CONCRETE AT PIPE JOINTS. THESE SHOULD BE MADE FROM BITUMEN IMPREGNATED INSULATING BOARD COMPLYING WITH B.S. 1142 PART 3, OR OTHER EQUALLY COMPRESSIBLE FILLER MATERIAL SUCH AS EXPANDED 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.



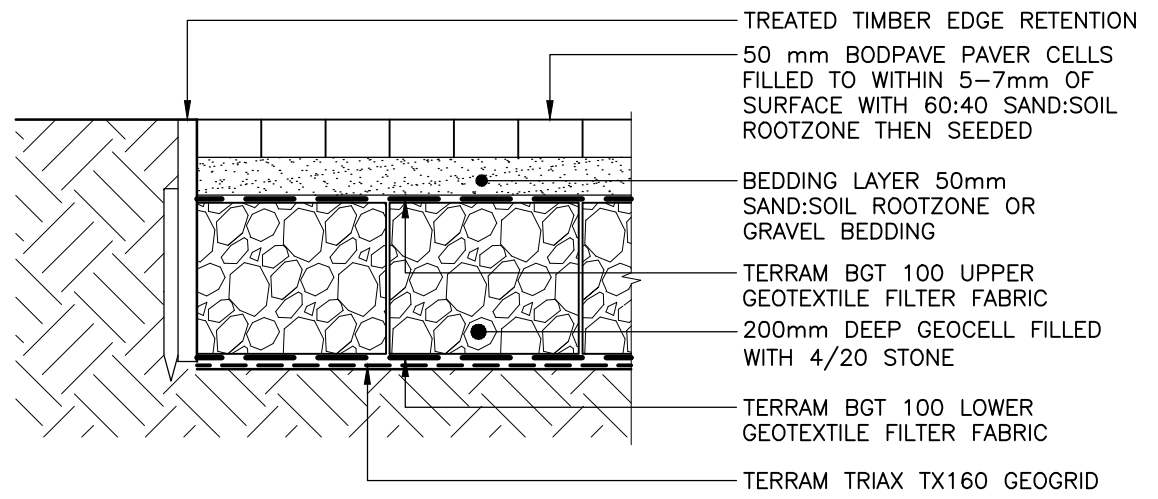
PROTECTION TO PIPELINES WITH LESS THAN 1200mm COVER

(1:25@A1)



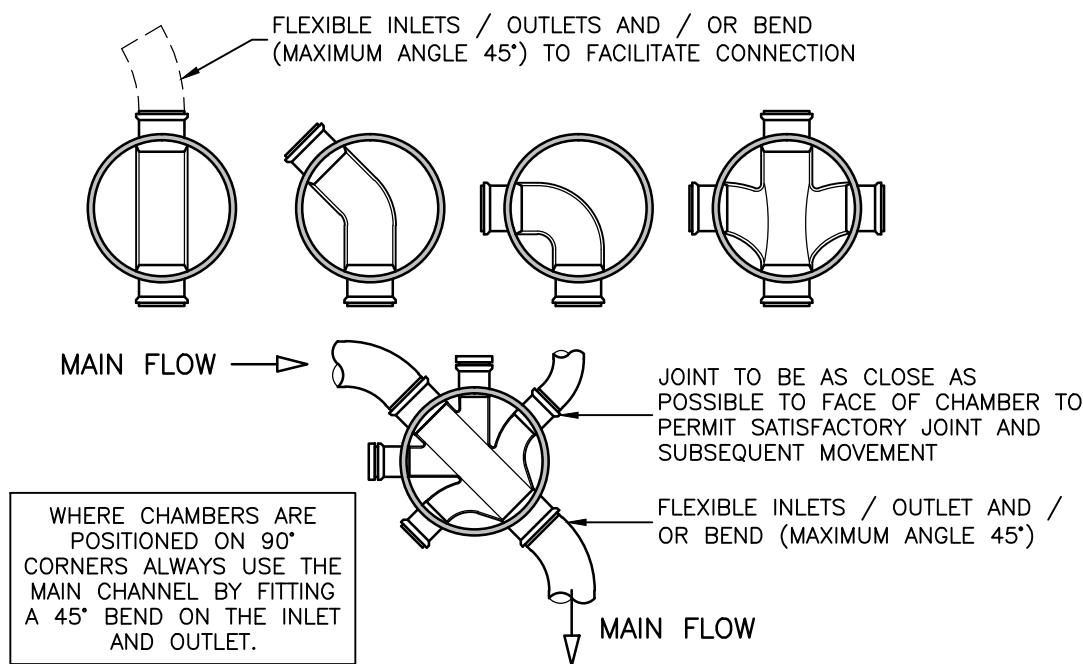
CAR PARKING TREE PROTECTION AREA

(1:10@A1)



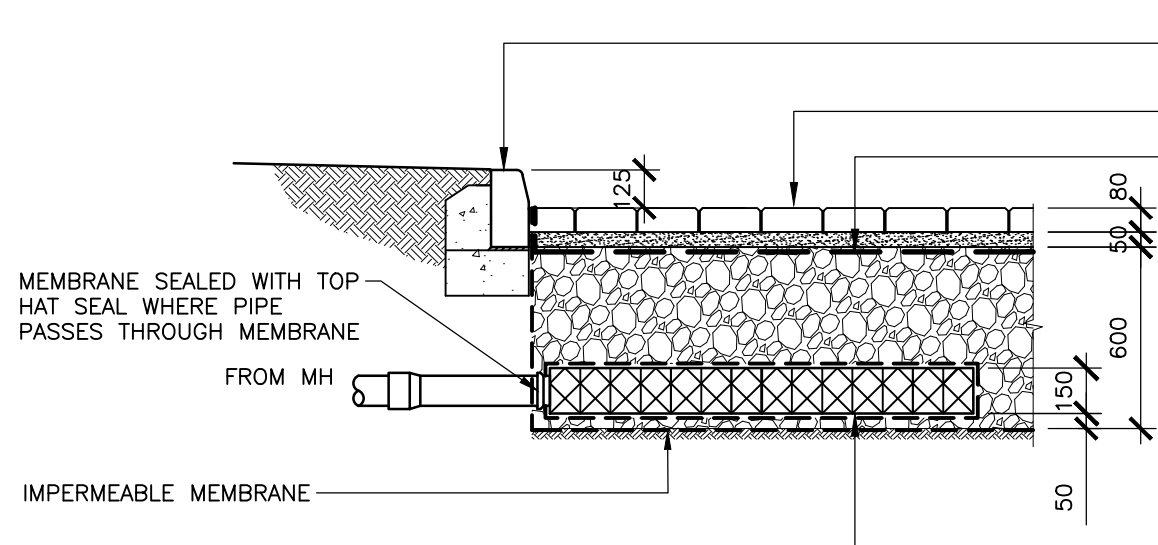
ACCESS ROAD TO FOUL WATER PUMPING STATION CONSTRUCTION DETAIL

(1:10@A1)



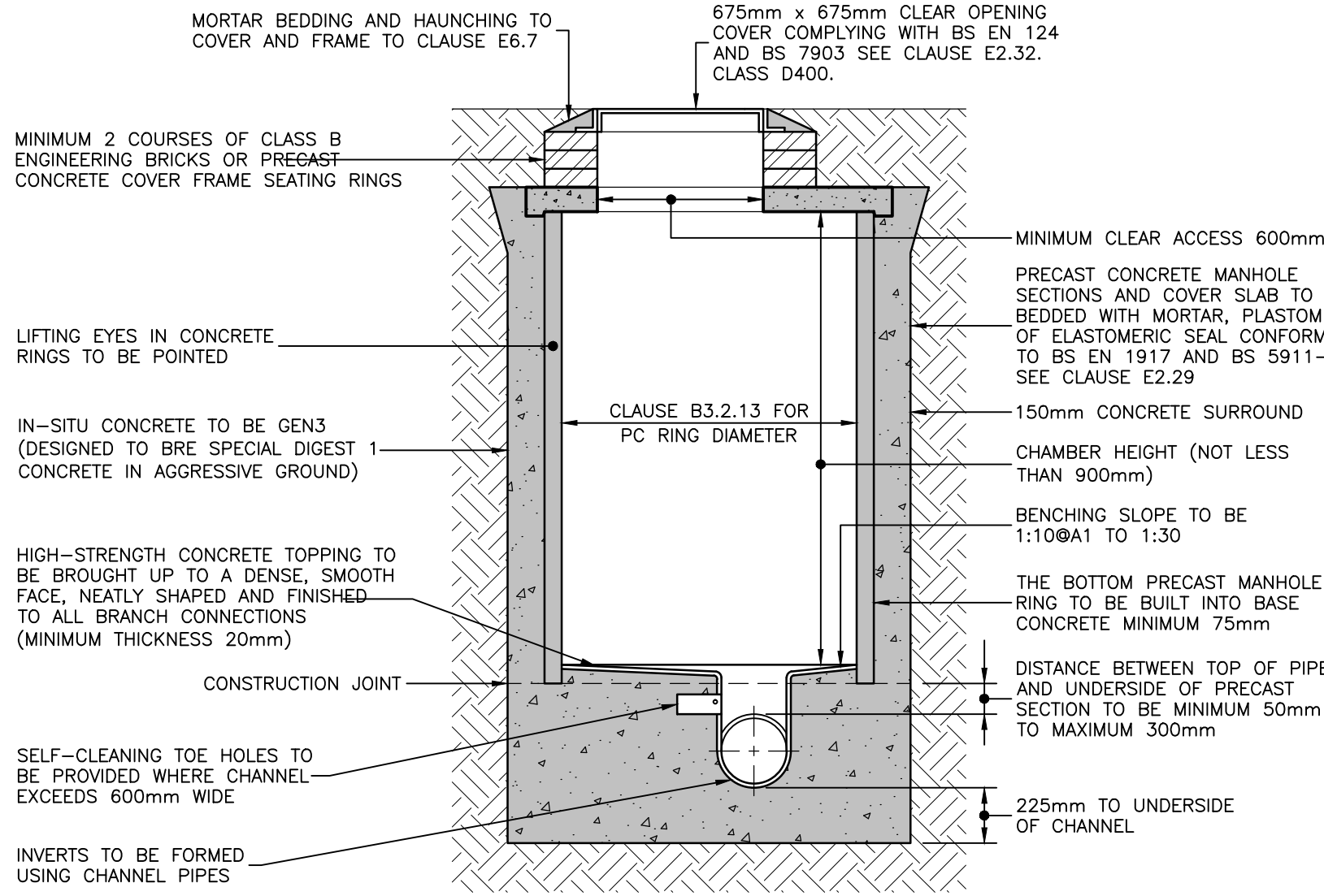
ALTERNATIVE BASE LAYOUTS FOR TYPE 3 CHAMBERS

(1:25@A1)

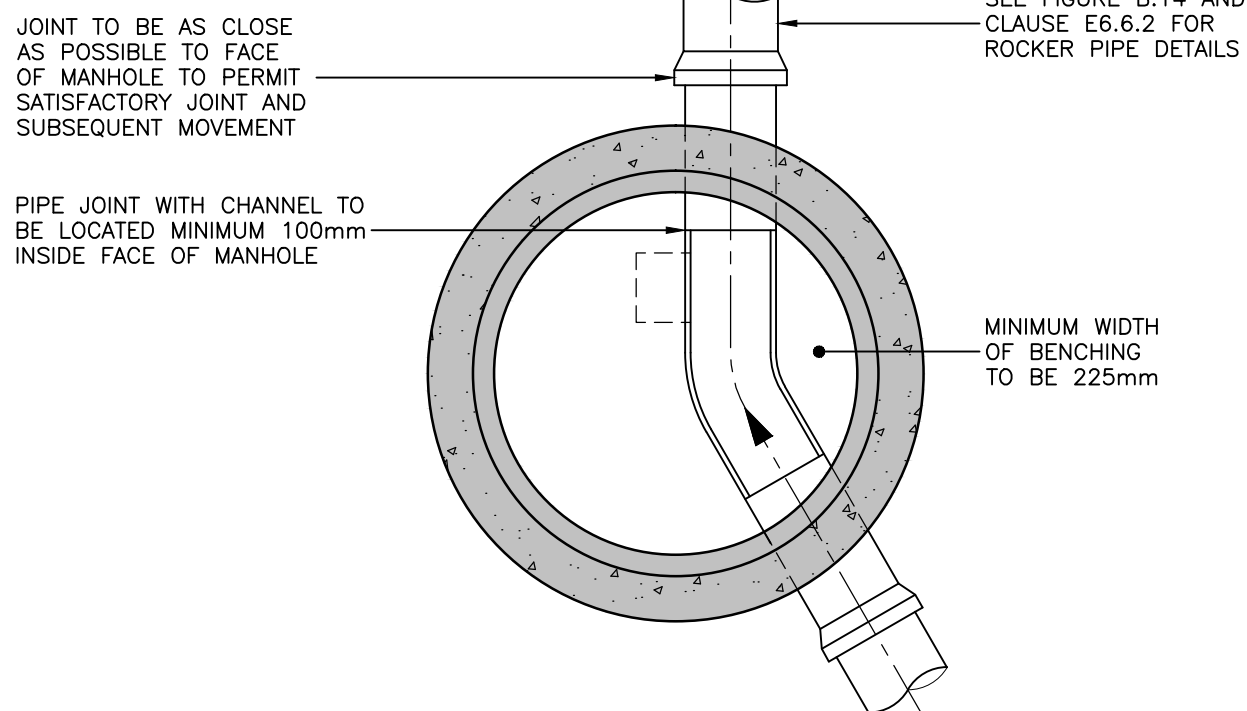


CHARCON PERMAVOID DISTRIBUTION TANK (PDT)

(SCALE 1:25@A1)



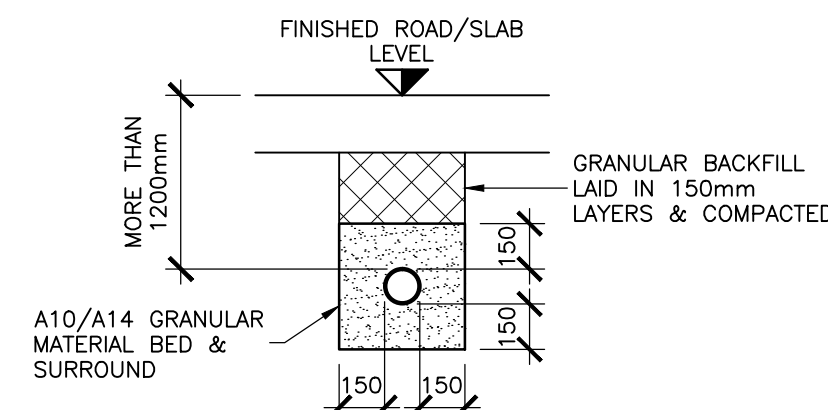
SECTION



PLAN

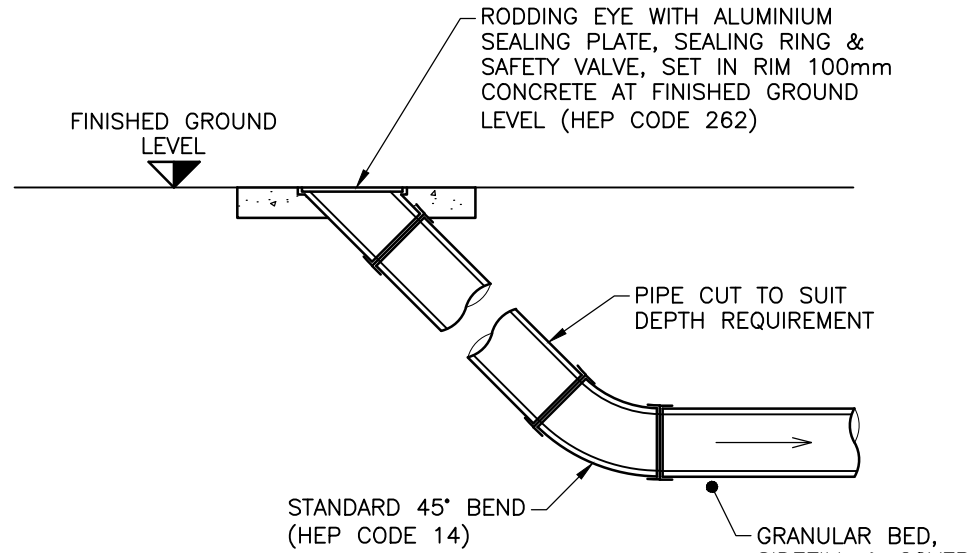
TYPICAL MANHOLE DETAIL - TYPE 2

(1:25@A1)

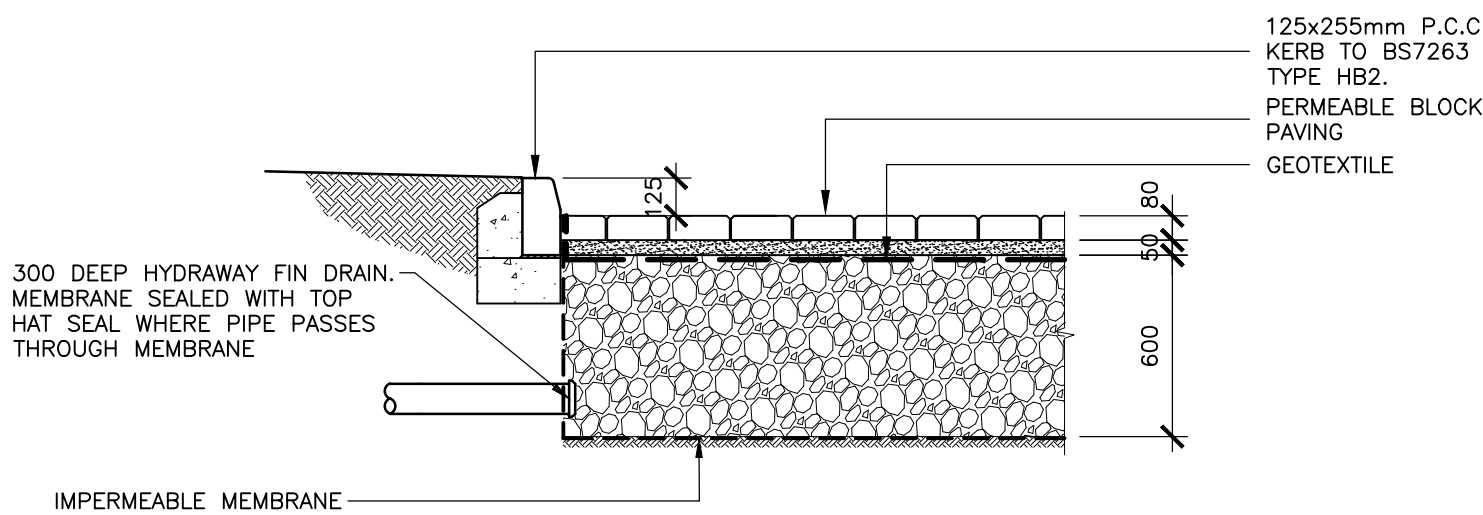


NOMINAL BORE OF PIPE (mm)	SIZE (mm)	
	SINGLE-SIZED	GRADED
100 & 150	10	-
225 & 300	10 OR 20	20 TO 5
375 - 500	20	20 TO 5

PIPE BED & SURROUND DETAIL (CLASS S) (1:25@A1)



RODDING EYE DETAIL (VC SHOWN - PVCu ALTERNATIVE TO SUIT) (1:25@A1)



TYPICAL DETAIL AT KERB

(SCALE 1:25@A1)

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.
- THE CONTRACTOR IS TO ENSURE THE STABILITY AND STRUCTURAL INTEGRITY OF THE EXISTING PROPERTY AT ALL TIMES DURING WORKS AND IS TO BE RESPONSIBLE FOR ALL PROPPING AND SHORING AS REQUIRED.
- 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 'SEWERS FOR ADOPTION, 7th EDITION'
- ALL MATERIALS AND WORKMANSHIP TO COMPLY WITH BS EN 752-1: 1996
- WHEN USING VITRIFIED CLAY PIPEWORK WITH FLEXIBLE JOINTS, SUPERSTRENGTH SHALL BE USED. ALL ADOPTABLE 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 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.

CDM REGULATIONS 2015

RUSHBY BREWSTER ASSOCIATES HAVE CONSIDERED AND, WHERE REASONABLY PRACTICABLE, AVOIDED FORESEEABLE RISKS IN THE PREPARATION OF THE DESIGN SHOWN ON THIS AND RELATED DRAWINGS. SIGNIFICANT RISKS WHICH REMAIN AND ASSOCIATED CONTROL MEASURES ARE IDENTIFIED BELOW AND SHOULD BE GIVEN PARTICULAR ATTENTION BY THE MAIN CONTRACTOR ON SITE.

ACTIVITY	HAZARD	CONTROL
NOTE: THE ABOVE ASSESSMENT RECORDS ONLY THOSE ELEMENTS CONSIDERED UNUSUAL, DIFFICULT TO MANAGE OR OUTSIDE OF THE ANTICIPATED EXPERTISE OF A COMPETENT CONTRACTOR		

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING No. PMC238-501

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DRAWING

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Revision	Date	Description	By
A	15.03.17	ISSUED FOR CONSTRUCTION.	PJM
P3	23.11.16	DETAILS UPDATED.	PJM
P2	24.03.16	DRAWING TITLE AMENDED.	PJM
P1	18.03.16	PRELIMINARY ISSUE FOR COMMENT	PJM

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ace
consultancy engineering building environment

Client: **PMC CONSTRUCTION**
Architect: **KENN SCADDAN**
Project Title:

BLENDWORTH CRESCENT,
LEIGH PARK.

Drawing Title

DRAINAGE DETAILS SHEET 2

Scale	Paper Size	Date	Drawn By	Checked By
AS SHOWN	A1	NOV. 2016	PJM	AWR
Project No.	Drawing No.	Revision		
PMC238	552	A		