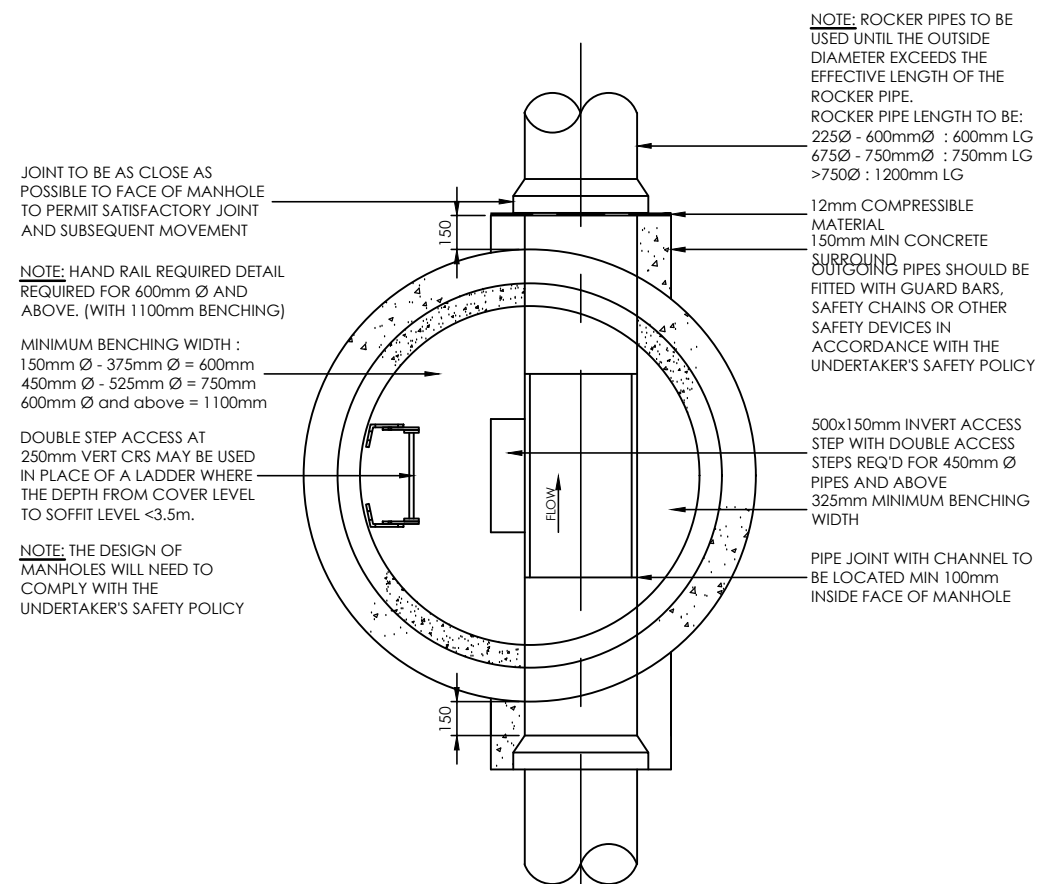
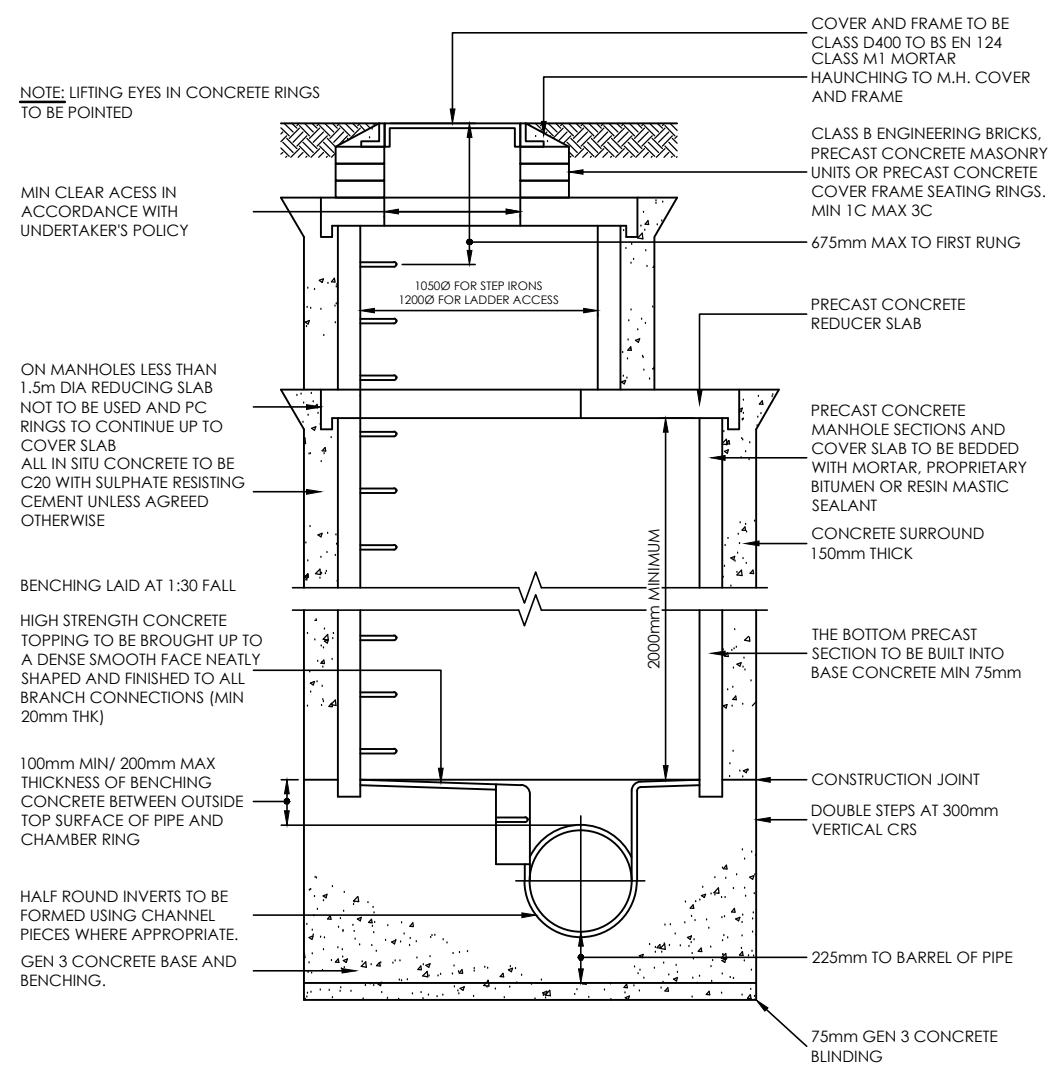
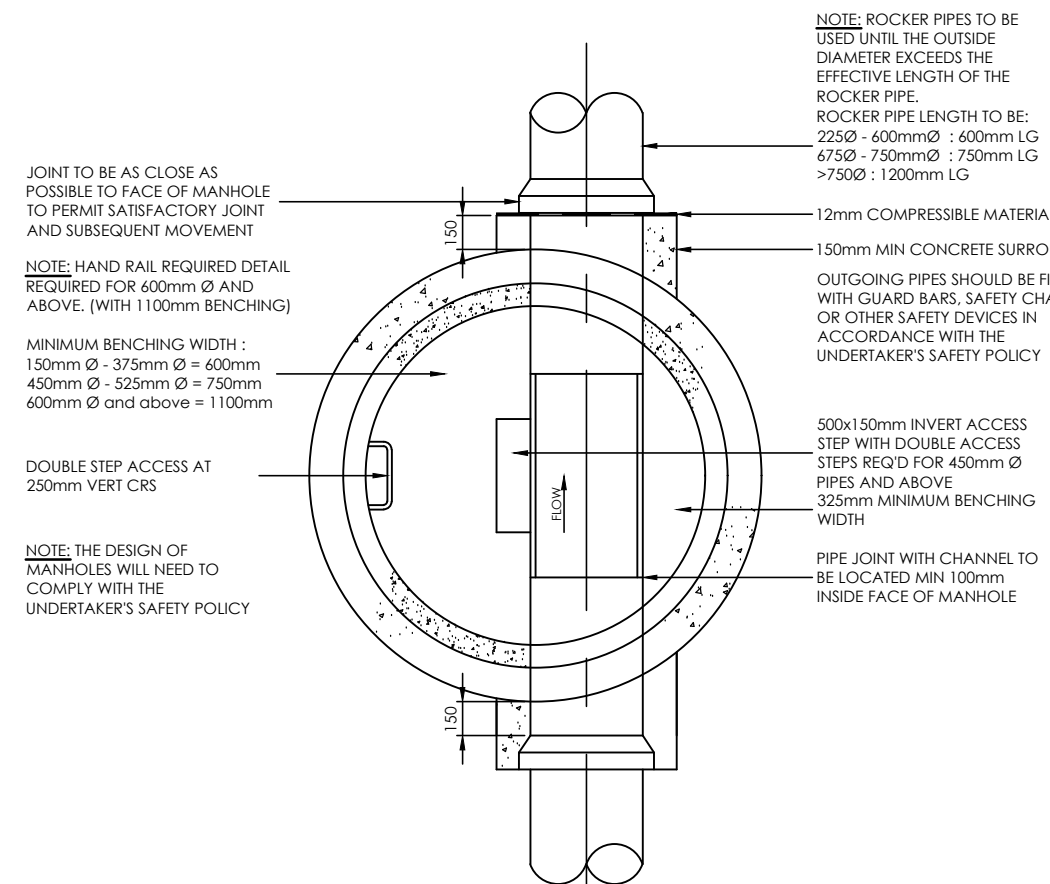
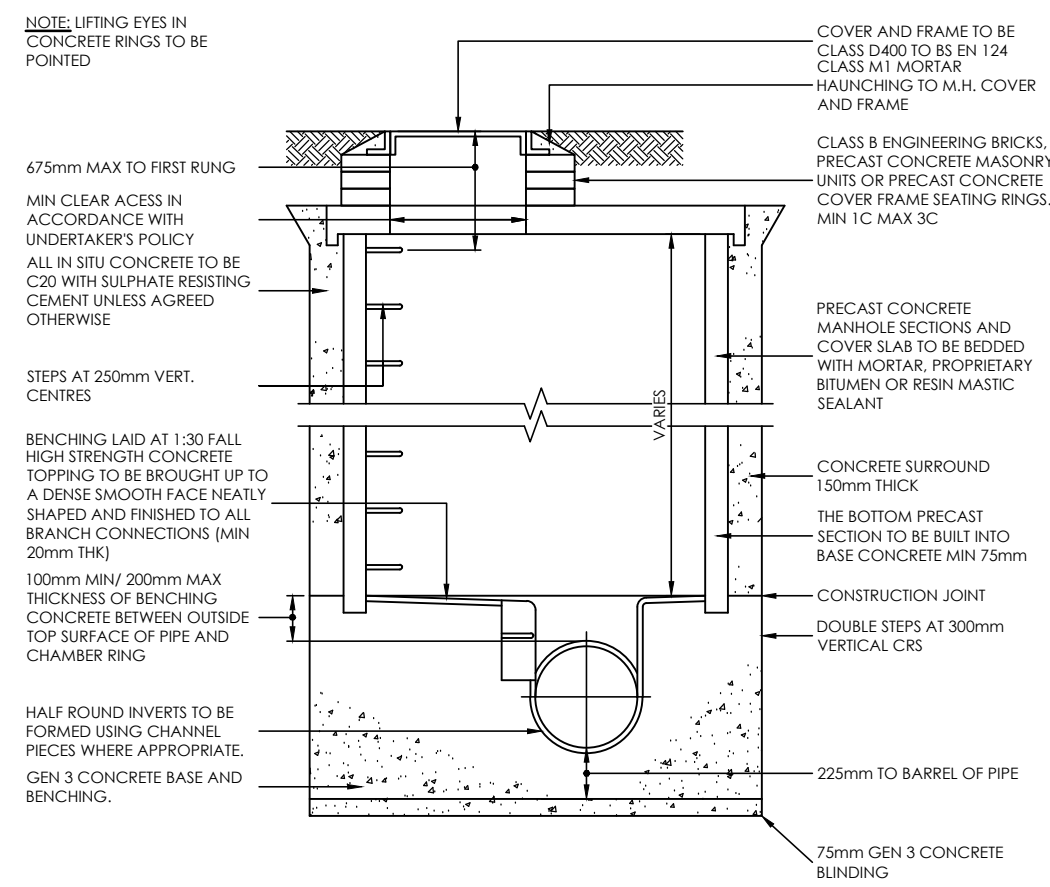
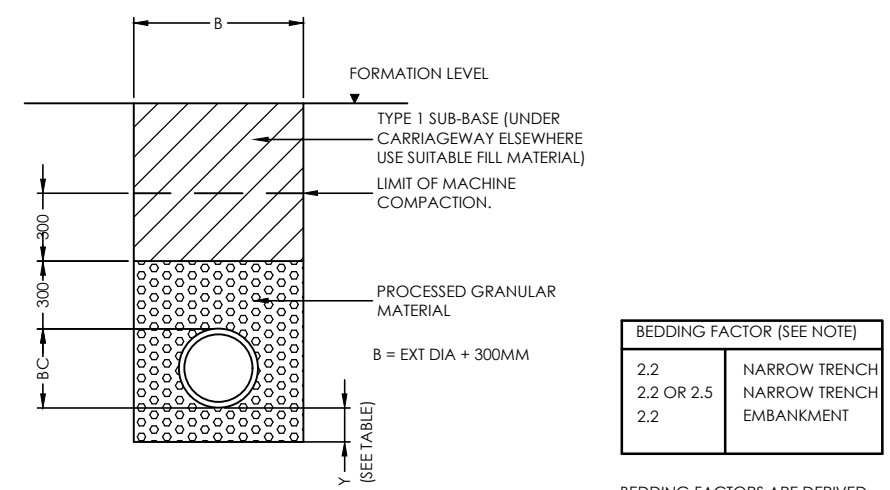




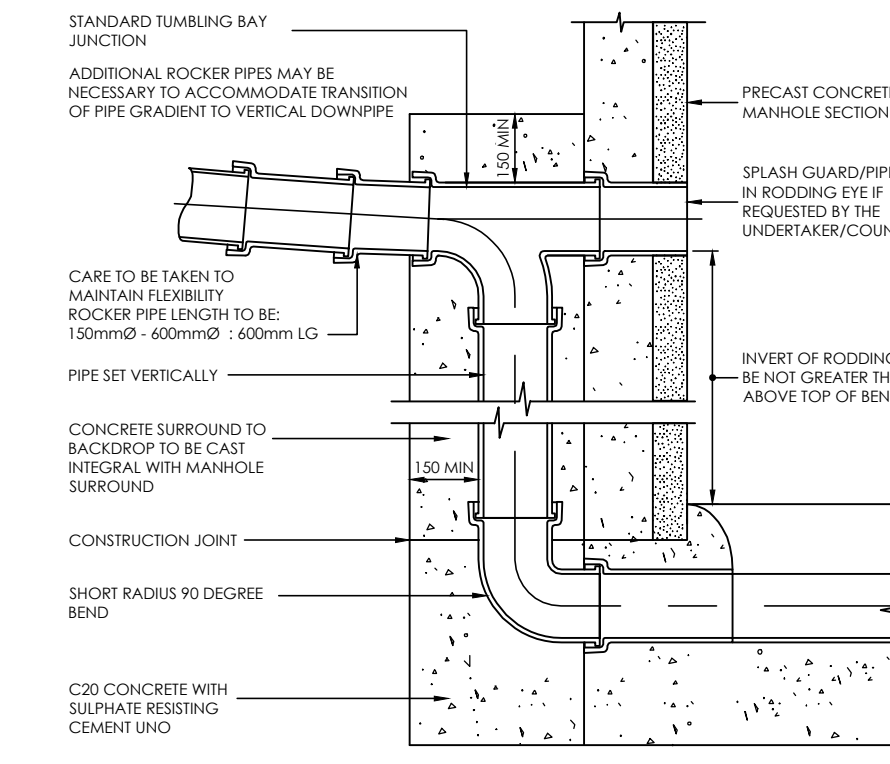
TYPICAL MANHOLE DETAIL TYPE A
DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3m TO 6m



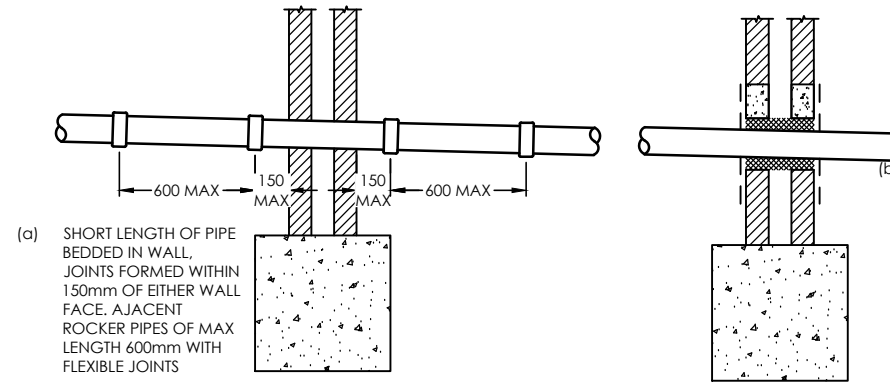
TYPICAL MANHOLE DETAIL TYPE B
MAXIMUM DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE 3.0m



TYPE 7 BEDDING DETAILS
(EMBEDMENT CLASS S)



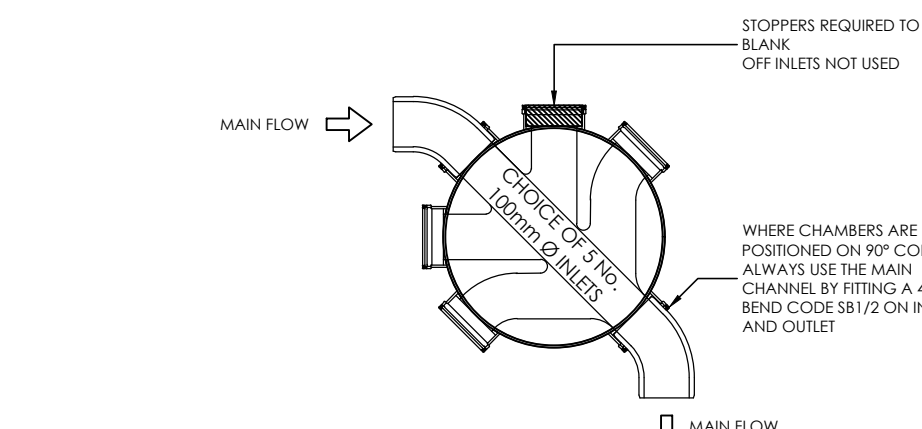
TYPICAL BACKDROP DETAIL



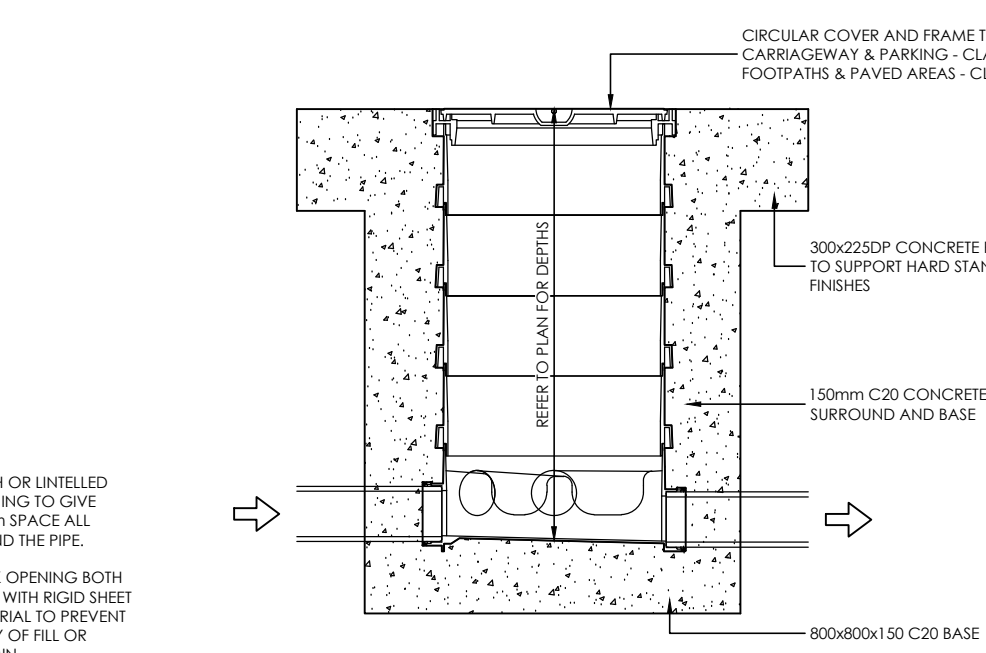
PIPES PENETRATING THROUGH WALLS

CONCRETE PIPE PROTECTION

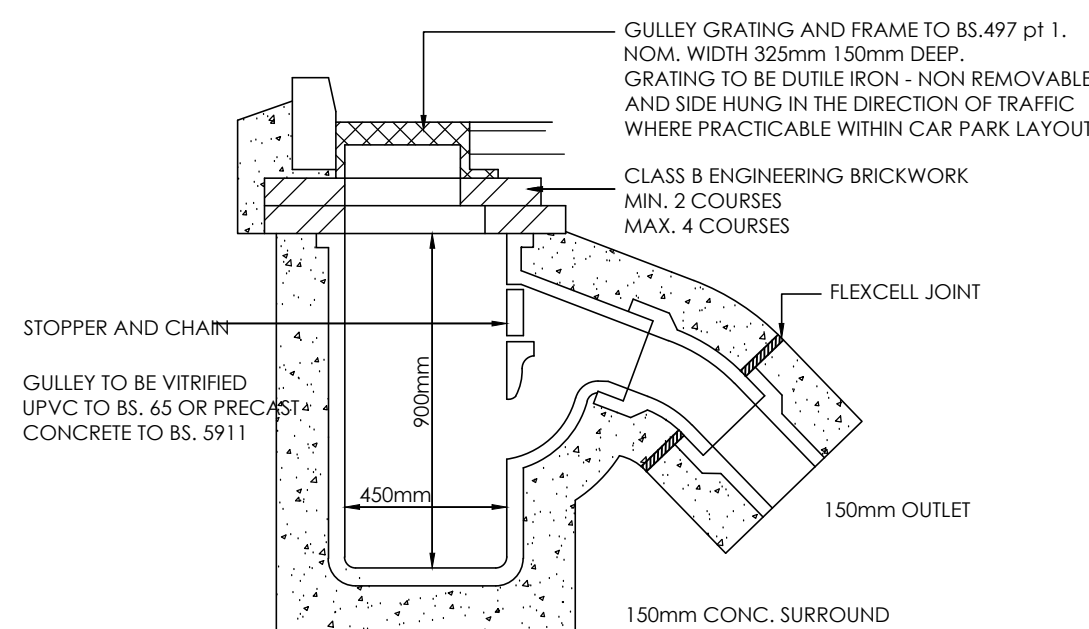
CARRIAGEWAY - LESS THAN 1200mm COVER
OPEN SPACE - LESS THAN 900mm COVER



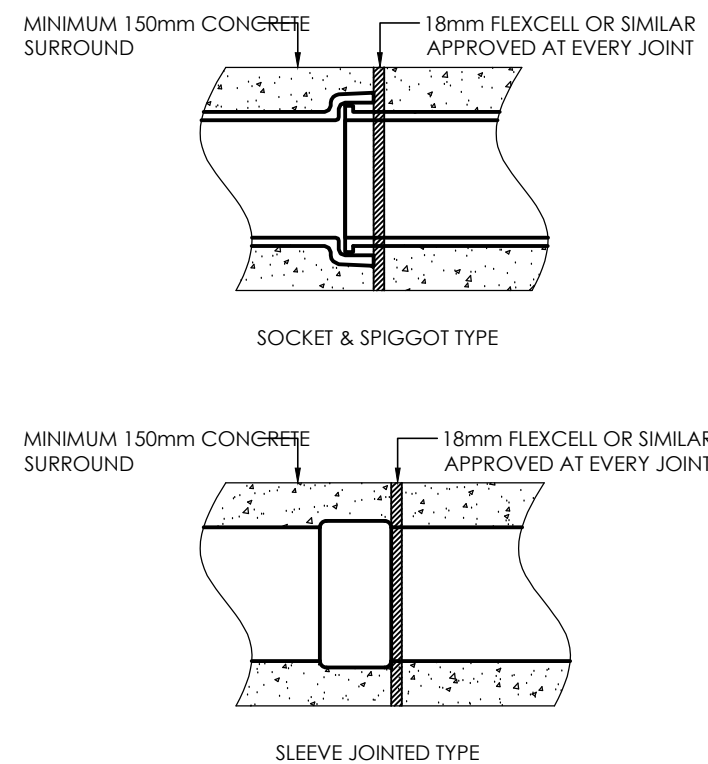
PLAN ON POLYPROPYLENE INSPECTION CHAMBER
(N.T.S)



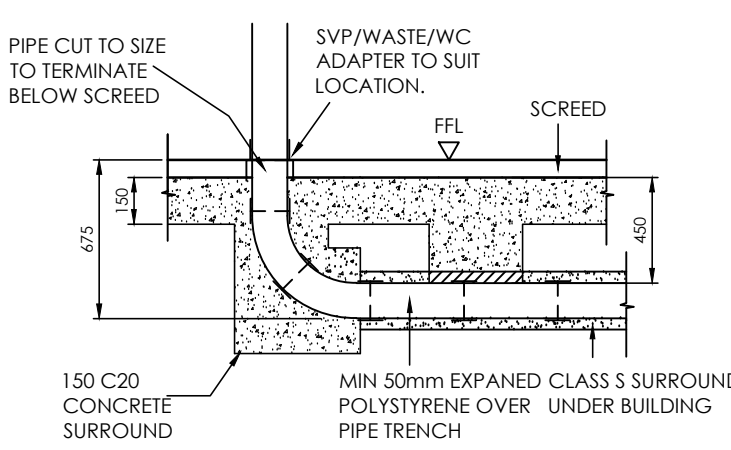
SECTION OF POLYPROPYLENE INSPECTION CHAMBER
(N.T.S)



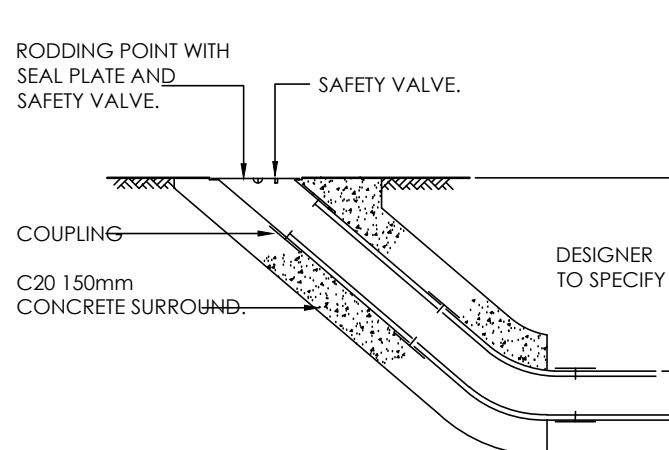
TYPICAL ROAD GULLY DETAIL



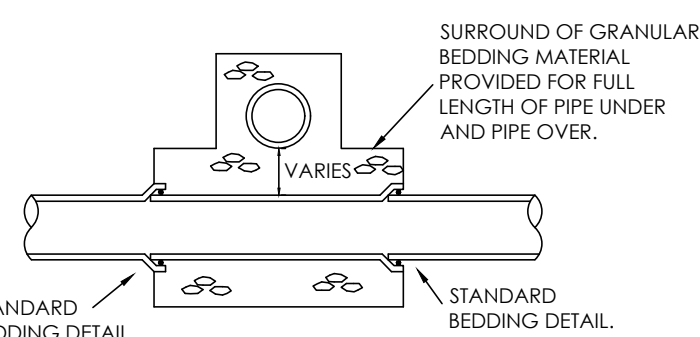
PLAN ON CONCRETE ENCASED PIPES
REQUIRED IN ROADWAYS & OTHER AREAS OF VEHICULAR TRAFFIC WHERE PIPE COVER IS LESS THAN 900mm (TO SOFFIT OF PIPE)



CONNECTION TO R.W.P/SWP/WASTE INSIDE BUILDING



RODDING EYE



PIPE CROSS OVER DETAIL

THIS DRAWING IS SUBJECT TO SECTION 104 APPROVAL FROM ESP AND THEREFORE SHOULD NOT BE USED FOR CONSTRUCTION.

NOTES:

- DO NOT SCALE OFF THIS DRAWING
- GENERAL NOTES
- THIS DRAWING TO READ IN CONJUNCTION WITH ALL RELEVANT STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR / FABRICATOR PRIOR TO COMMENCEMENT OF WORKS.
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE.
- ALL WORKS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE ENGINEER'S SPECIFICATIONS, RELEVANT BRITISH STANDARDS AND WHERE APPLICABLE LOCAL AUTHORITIES REQUIREMENTS.

ESP STANDARD NOTES:

- ALL ADAPTABLE SEWER WORKS AND MATERIALS TO BE IN ACCORDANCE WITH 'DESIGN AND CONSTRUCTION GUIDANCE', CODE FOR ADOPTION, THE RELEVANT BRITISH/EUROPEAN STANDARDS
- THE ADAPTABLE SEWERS SHOULD BE A MINIMUM OF 1M AND MANHOLES 0.5M FROM KERB FACE AND SERVICE MARGINS
- SEWERS MUST HAVE A 5M CLEARANCE FROM TREES AND HEDGES, (PLEASE ALSO REFER TO 5.1.10 IN CODES FOR ACTION FOR RESTRICTIONS ON TREE PLANTING ADJACENT TO SEWERS).
- SEWERS TO BE LAID IN CLASS S BEDDING (150MM GRANULAR BED AND SURROUND), WHERE DEPTH OF COVER TO TOP OF THE SEWER IS LESS THAN 1.2M IN HIGHWAY AND VERGES (OR LESS THAN 0.9M IN NONE VEHICULAR ACCESS AREAS) THEN A CONCRETE SLAB SHOULD BE PROVIDED ABOVE THE GRANULAR BED AND SURROUND.
- PLASTIC CHANNEL SECTIONS IN MANHOLES ARE NOT ACCEPTABLE AND CLAY WARE IS TO BE USED IF REQUIRED.
- THE UNDERTAKER IS NOT OBLIGED TO ACCEPT FILTER DRAIN/LAND DRAINAGE RUNOFF INTO THE ADAPTABLE SEWER NETWORK.

THE PURPOSE OF THIS DRAWING IS FOR TYPICAL CONSTRUCTION DETAILS ONLY. MANHOLES / PIPE DIAMETERS / SUMP DEPTHS ETC WILL VARY ON PLAN.

REFER TO DRAINAGE LAYOUT DRAWING FOR ALL PIPE SIZES, MANHOLE SIZES, PIPE LENGTHS, SUMP DEPTHS, STORAGE TANK CONFIGURATIONS, COVER LEVELS AND INVERT LEVELS

Rev	Date	By	Description
C01	09.02.26	CB	First issue.

SHAPE ENGINEERING

Liverpool Office Tel 0151 305 0700 www.shapeengineering.co.uk			
Client LIDL			
PROJECT KIRKBY LIDL STORE			
TITLE DRAINAGE CONSTRUCTION DETAILS			
Status	Suitability Description FOR INFORMATION	Structural Stage	Date 23.07.26
Designed By CB	Drawn By CB	Scale A1 @ AS SHOWN	Project No. 2996
Sheet No. 2996-SCE-DL-DR-C-0071	Revision P01		