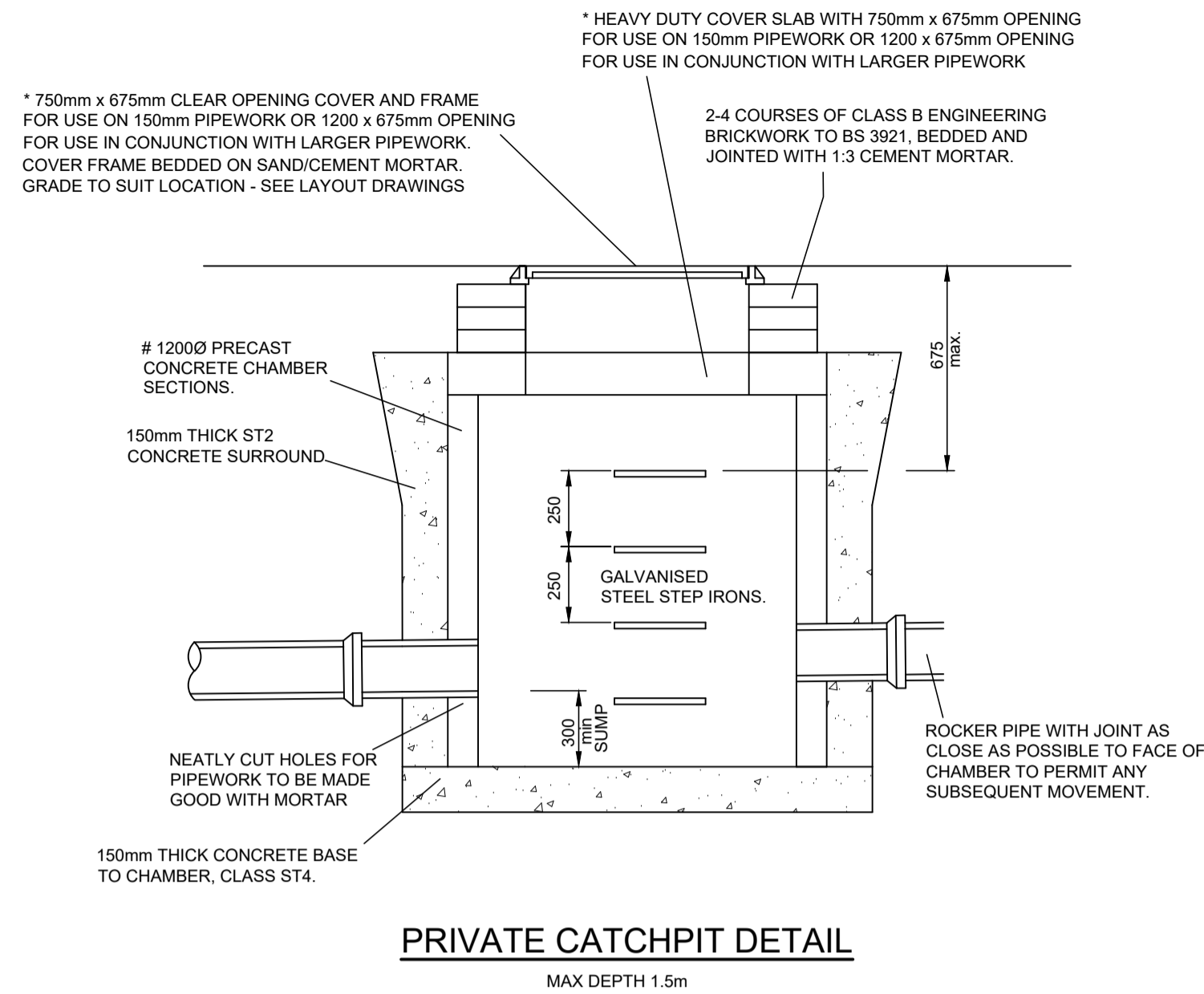


NOTES

1. THIS DRAWING MUST BE READ IN CONJUNCTION WITH DRAWING J450/101.
2. PRIOR TO COMMENCEMENT OF ANY WORKS, THE CONTRACTOR SHALL LIAISE WITH ALL RELEVANT AUTHORITIES TO ENSURE THAT ALL EXISTING SERVICES THAT MAY BE AFFECTED BY THE WORKS ARE LOCATED, PROTECTED AND WHERE NECESSARY DIVERTED.
3. ALL WORKS IN CONJUNCTION WITH PUBLIC SEWERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WATER AUTHORITY.
4. ALL PRECAST AND INSITU CONCRETE AND MORTAR USED IN THE CONSTRUCTION OF FOUL SEWERS/DRAINS MUST COMPLY WITH THE REQUIREMENTS OF BRE SPECIAL DIGEST 1, DESIGN SULPHATE CLASS DS-3 AND AGGRESSIVE CHEMICAL ENVIRONMENT FOR CONCRETE CLASS AC-3. FOR ALL OTHER CONCRETE/MORTAR THE REQUIREMENTS FOR BURIED CONCRETE SHALL BE AS SPECIFIED IN THE GEOTECHNICAL INVESTIGATION.
5. CONCRETE MIX DESIGNATIONS SHOWN ON THIS DRAWING ARE TO BS 8500.
6. ALL PRIVATE DRAINAGE WORKS SHALL COMPLY WITH THE BUILDING REGULATIONS, BS EN752 AND THE RELEVANT MANUFACTURERS RECOMMENDATIONS.

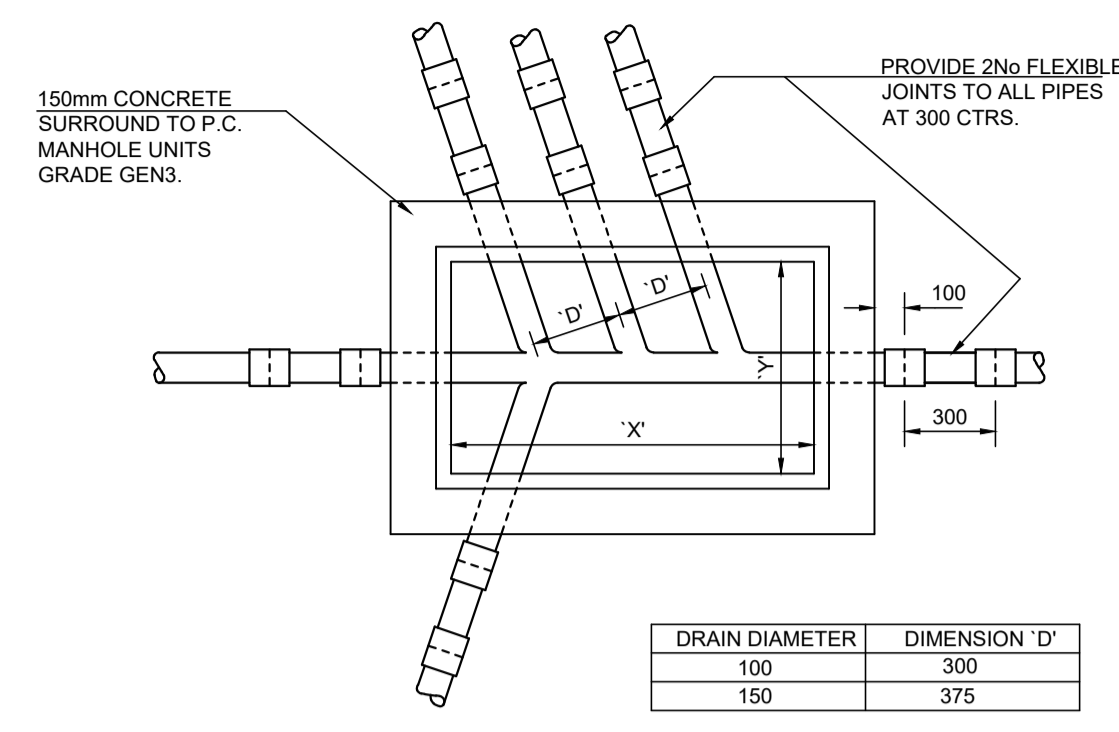


PRIVATE CATCHPIT DETAIL

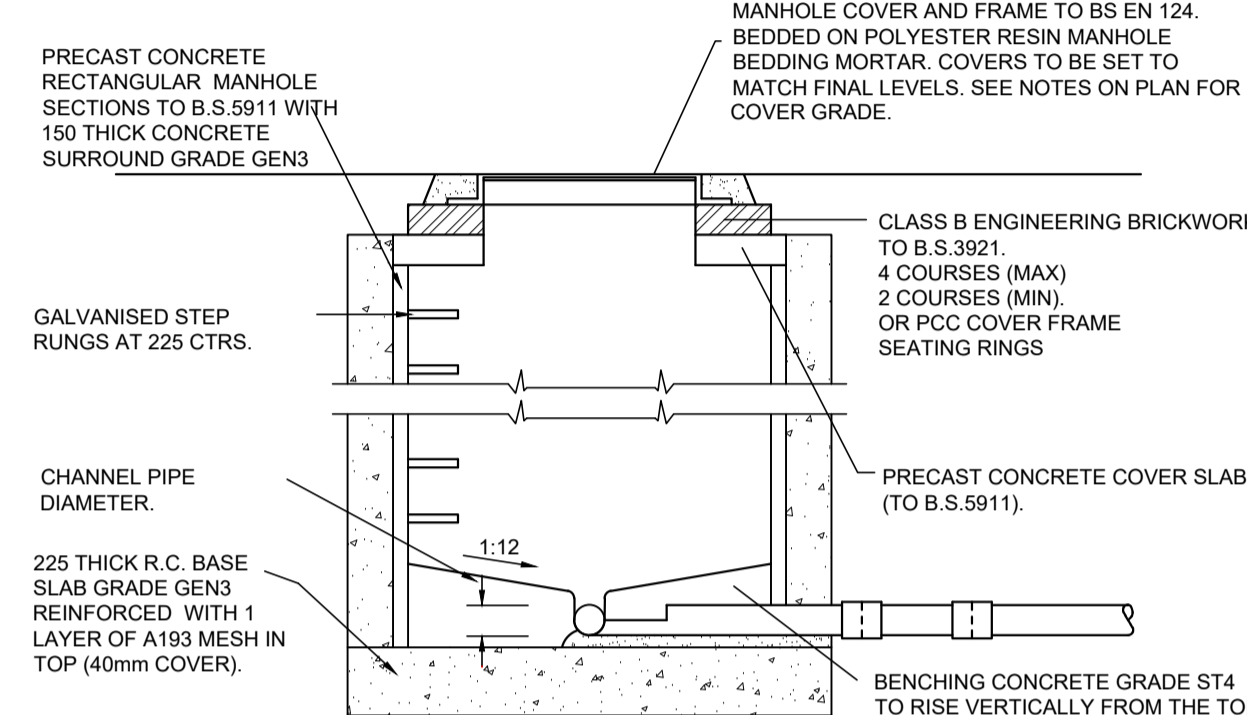
*CATCHPITS DEEPER THAN 1.5m TO BE FORMED WITH A REDUCING SLAB AND 600x600mm CLEAR OPENING COVER AND FRAME

* # CATCHPITS ON 225-300mmØ PIPES TO HAVE 1200mmØ PRECAST RINGS WITH A 1200mm x 675mm CLEAR OPENING COVER AND FRAME.

* # CATCHPITS ON PIPES >300Ø TO HAVE 1500mmØ PRECAST RINGS WITH A 1200mm x 675mm CLEAR OPENING COVER AND FRAME.



PLAN



SECTION

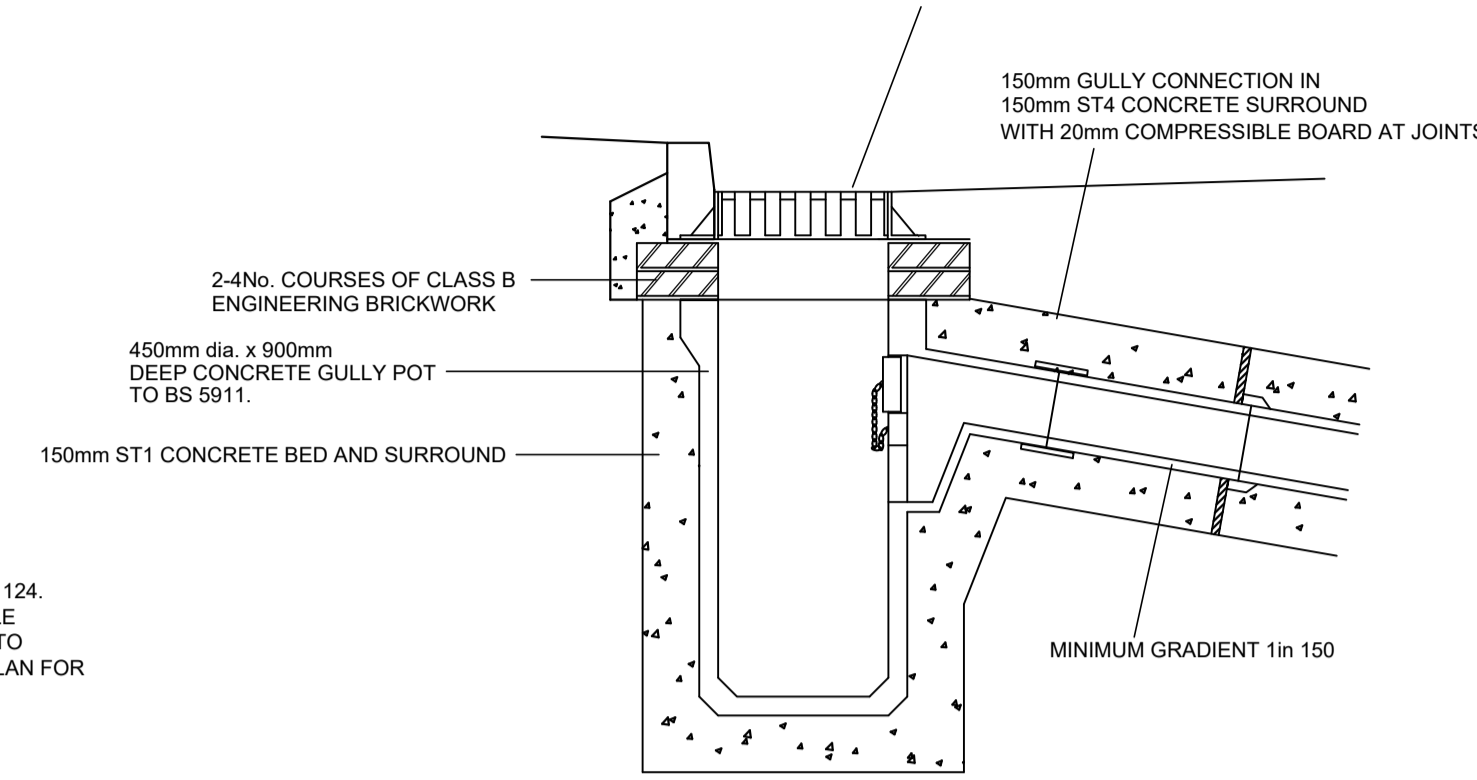
ALTERNATIVE BRICK CONSTRUCTION 225 ENGINEERING BRICKWORK CLASS 'B' TO B.S.3921 LAID IN ENGLISH BOND SET IN 1:3 CEMENT/SAND MORTAR (CONCRETE SURROUND NOT REQUIRED WITH BRICK CONSTRUCTION).

DEPTH FROM COVER TO SOFFIT(m)	DN LARGEST PIPE IN MANHOLE	MIN. INTERNAL DIMENSIONS mm		COVER MIN. CLEAR OPENING SIZE (mm)
		x	y	
UP TO 1.5m	100-150	750	675	750 x 675
	225	1200	675	1200 x 675
	300	1200	750	1200 x 675
OVER 1.5m	>300	1800	DN+450	1200 x 675
	100-225	1200	1000	600x 600
	300	1200	1075	600x 600
	375-450	1350	1225	600x 600
>450	1800	DN+775	600x 600	

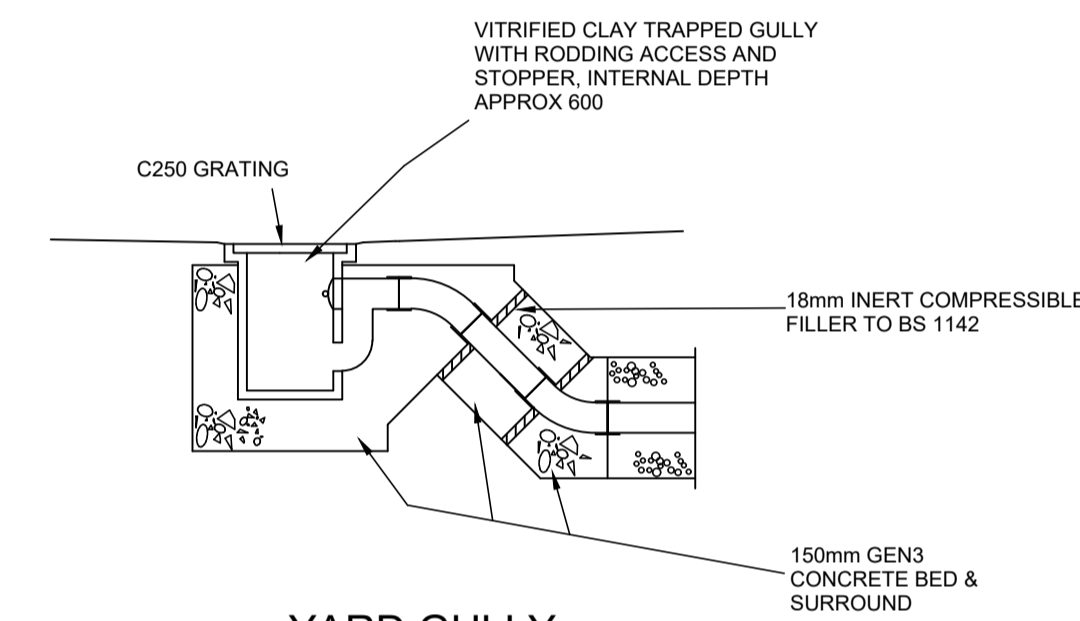
INTERNAL DIMENSION SIZES APPLY TO STRAIGHT-THROUGH PIPES. LARGER SIZES MAY BE REQUIRED FOR CHAMBERS AT PIPE BENDS OR CHAMBERS WITH A GREATER NUMBER OF SIDE BRANCHES

RECTRANGULAR PRECAST CONCRETE MANHOLE (PRIVATE)

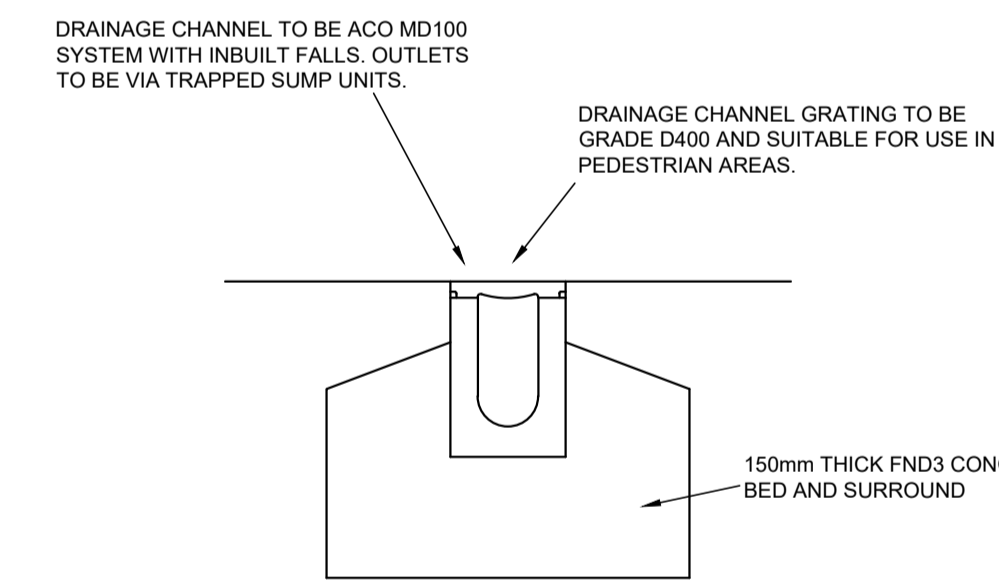
GRATINGS AND FRAMES SHALL COMPLY WITH BS EN 124 GRADE C250. ALL GRATINGS SHALL BE MANUFACTURED FROM CAST OR DUCTILE IRON, CLEARLY MARKED WITH THE MAKERS NAME AND THE GRADE OF GRATING, AND HINGED AND NON-REMOVABLE. THE DIMENSIONS OF THE CLEAR OPENING TO BE APPROXIMATELY 370mm (along the kerbline) BY 430mm, TO GIVE A WATERWAY AREA OF APPROXIMATELY 1000 sq cm. DOUBLE TRIANGULAR GRATINGS ARE NOT PERMITTED.



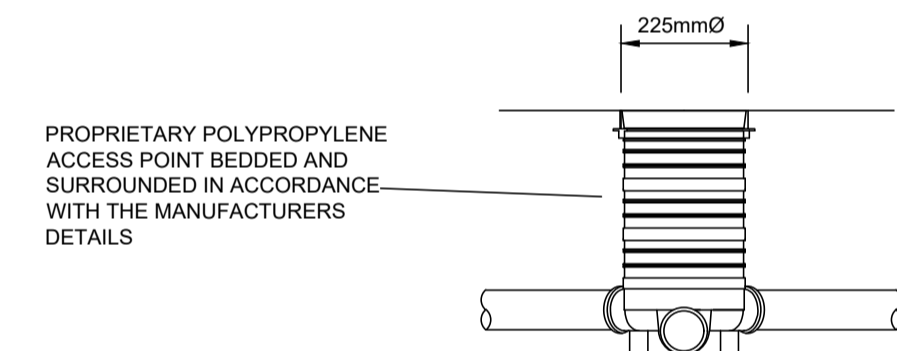
ROAD GULLY DETAIL



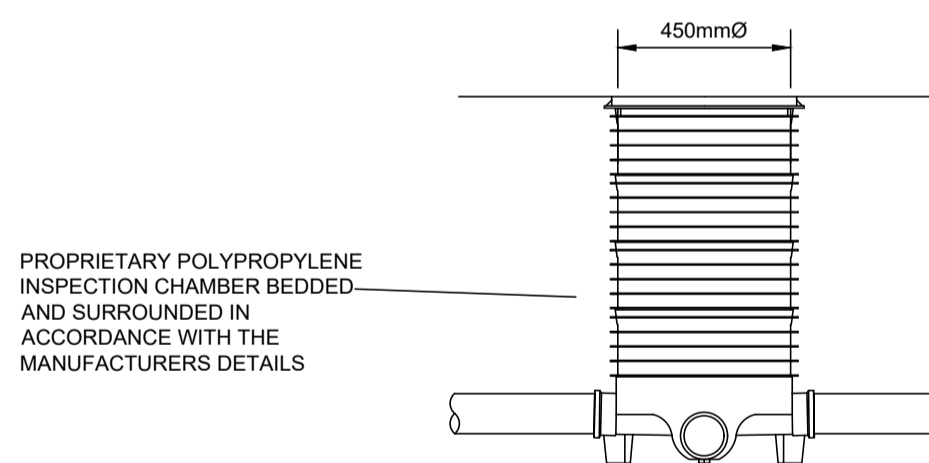
YARD GULLY



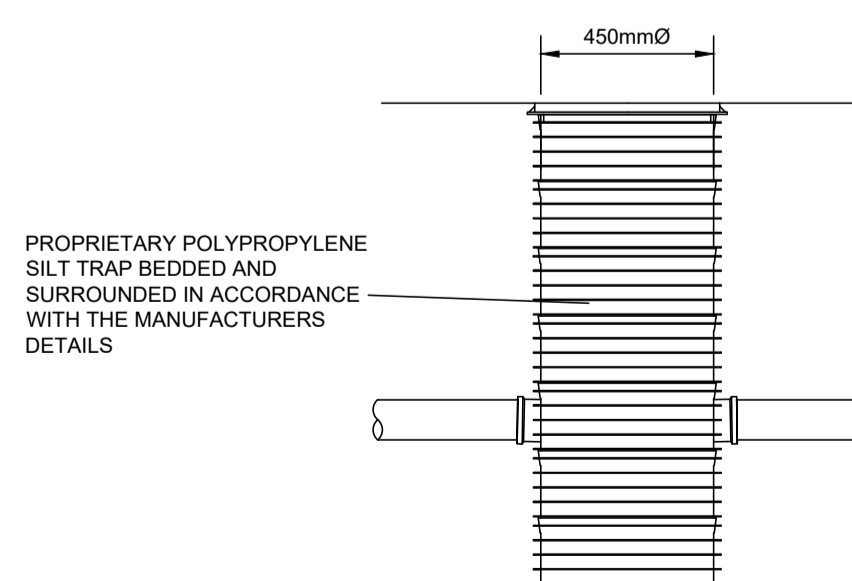
DRAINAGE CHANNEL DETAIL



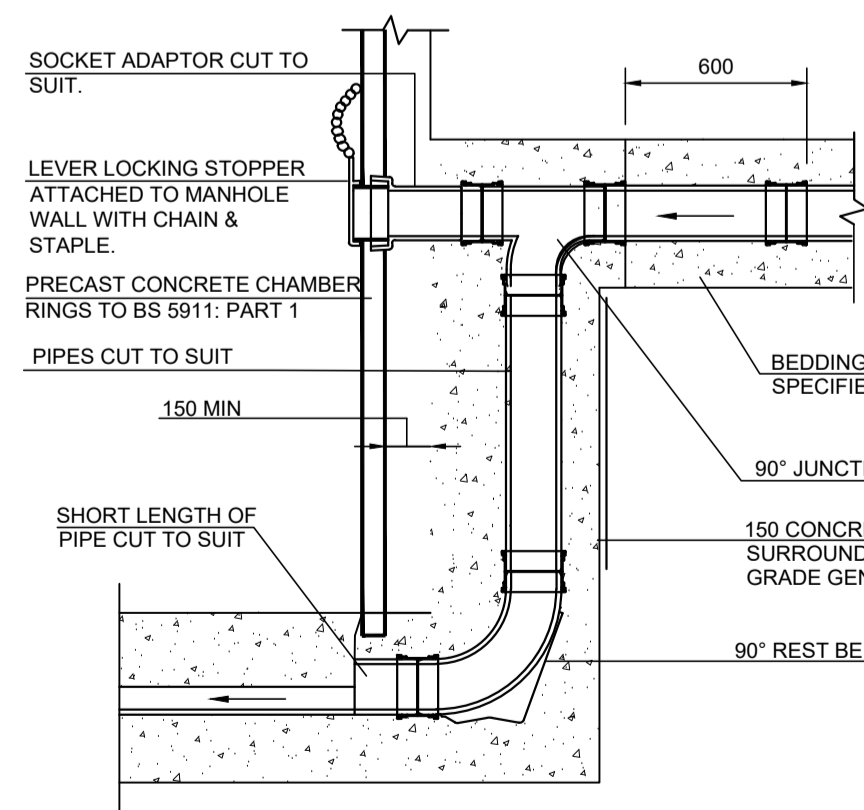
SHALLOW INSPECTION CHAMBER DETAIL UP TO 0.6m FROM COVER TO INVERT



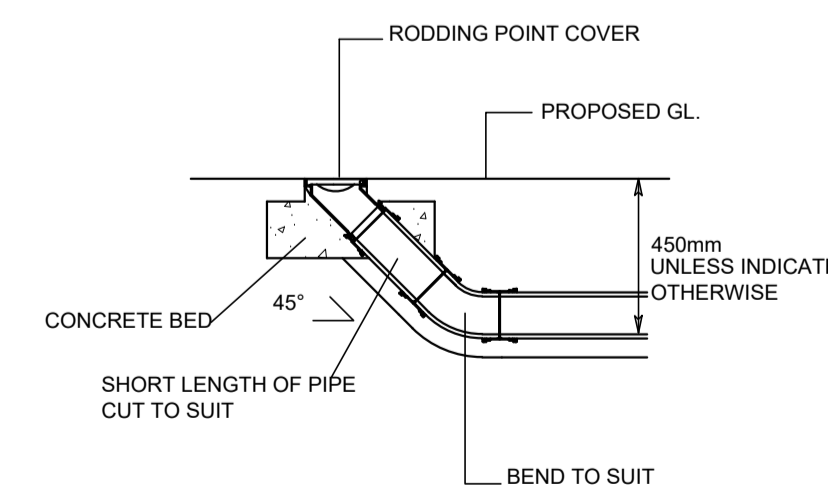
INSPECTION CHAMBER DETAIL 0.6m-1.2m FROM COVER TO INVERT



CATCHPIT DETAIL - UP TO 1.2m FROM COVER TO PIPE INVERT



BACKDROP CONNECTION TO MANHOLE



RODDING EYE DETAIL

(CONCRETE COLLAR MAY BE OMITTED IF RODDING EYE IN AREA NOT SUBJECT TO VEHICULAR LOADING. MAXIMUM DEPTH TO INVERT 600mm).

NOTE: THESE DETAILS ARE FOR USE IN THE CONSTRUCTION OF PRIVATE DRAINAGE ONLY REFER TO DRAWINGS 10797/110, 111, & 112 FOR CONSTRUCTION DETAILS OF ADOPTABLE DRAINAGE WORKS

DRAWING FOR APPROVAL NOT FOR CONSTRUCTION

Rev.

ROSE

CLIENT
Rosper Estates Limited

PROJECT
Redevelopment of Former Chambers Bus Depot
Off Church Square
Bures St Mary, Suffolk

DRAWING TITLE
Private Areas Drainage Construction
Details - Sheet 1 of 2

JOB NO.	J450
DATE	Nov 2022
SCALES	Not to Scale
DRAWN BY	KWW
CHECKED BY	
DWG NO.	102
SHEET NO.	.

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