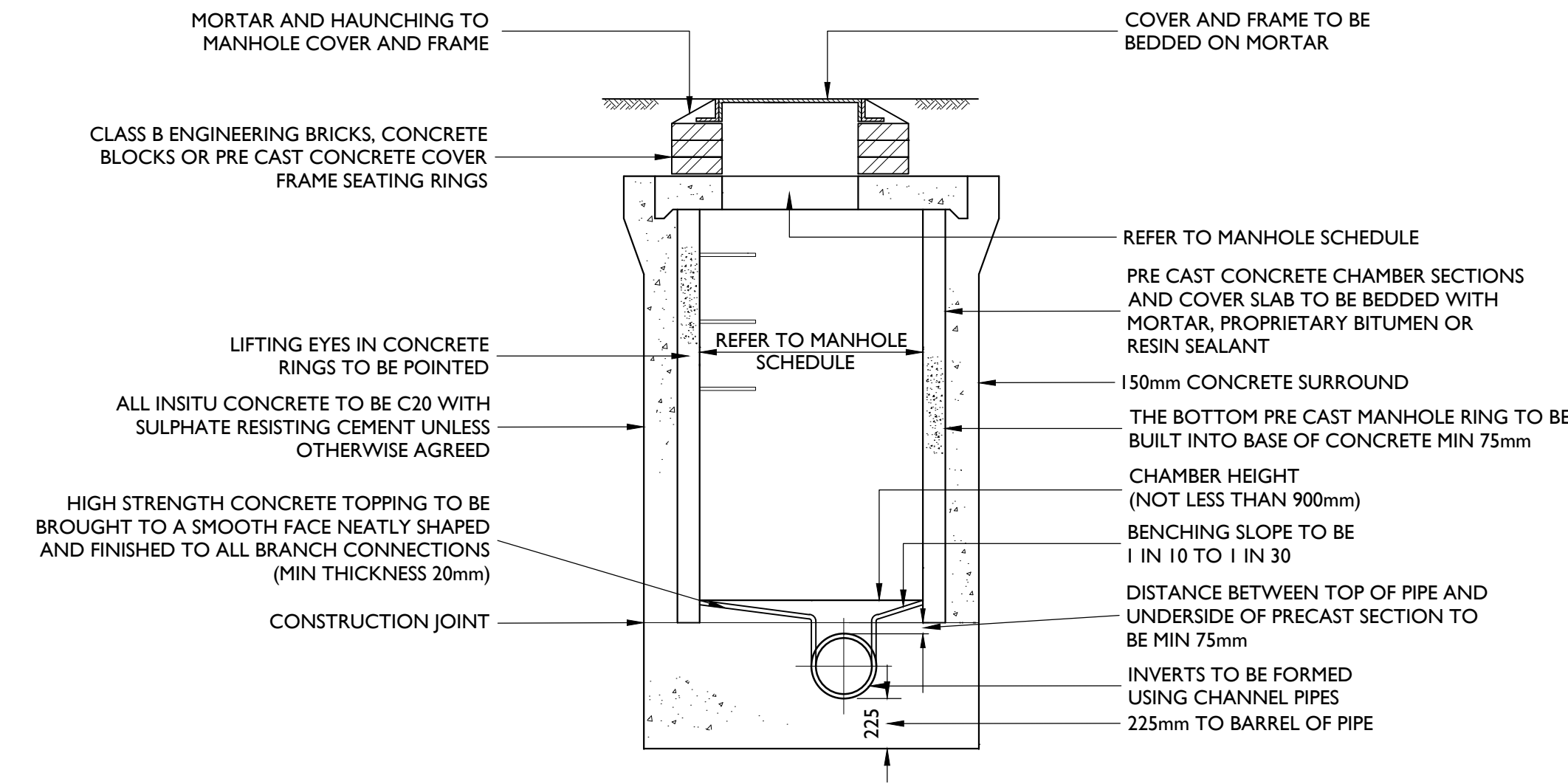
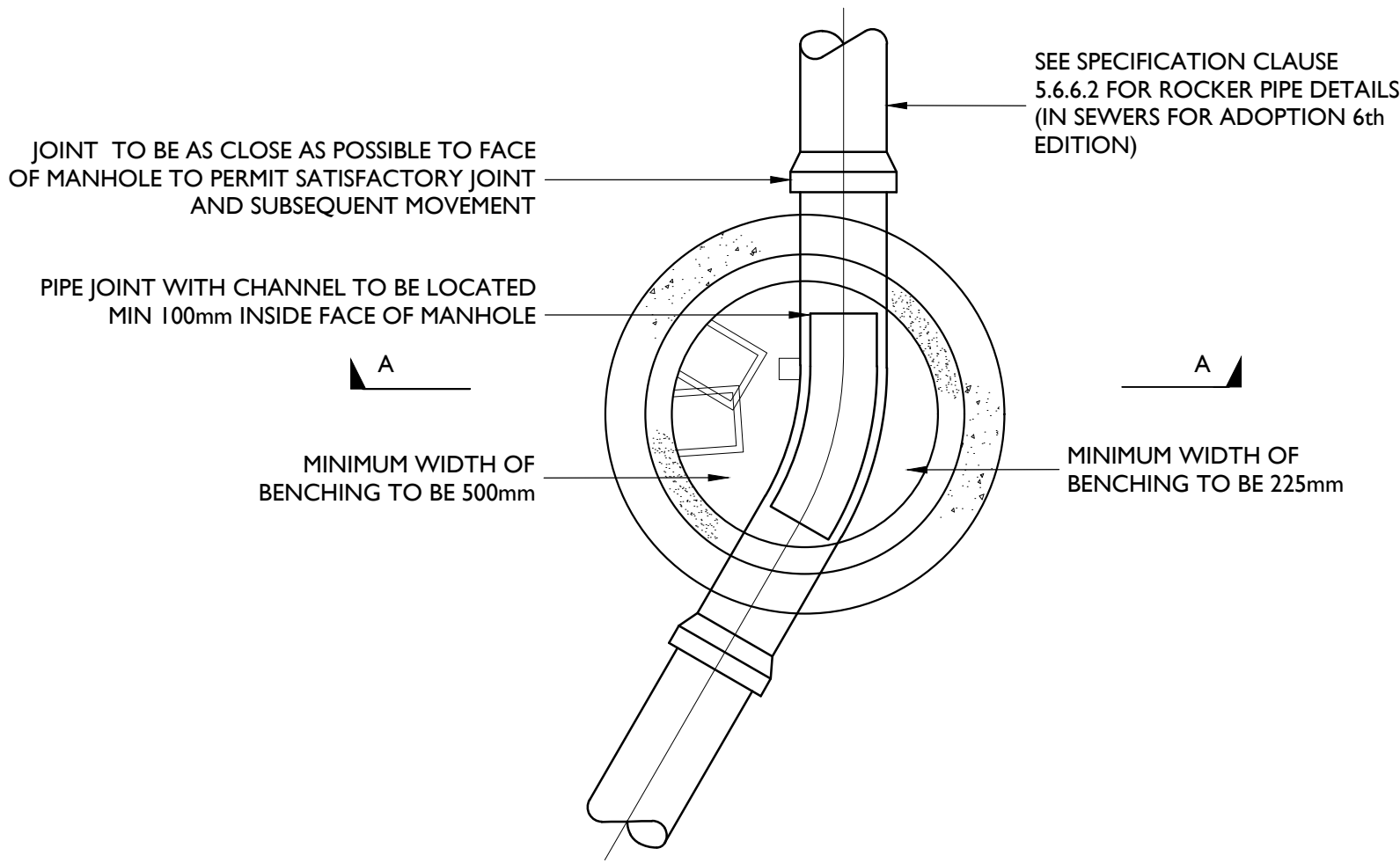


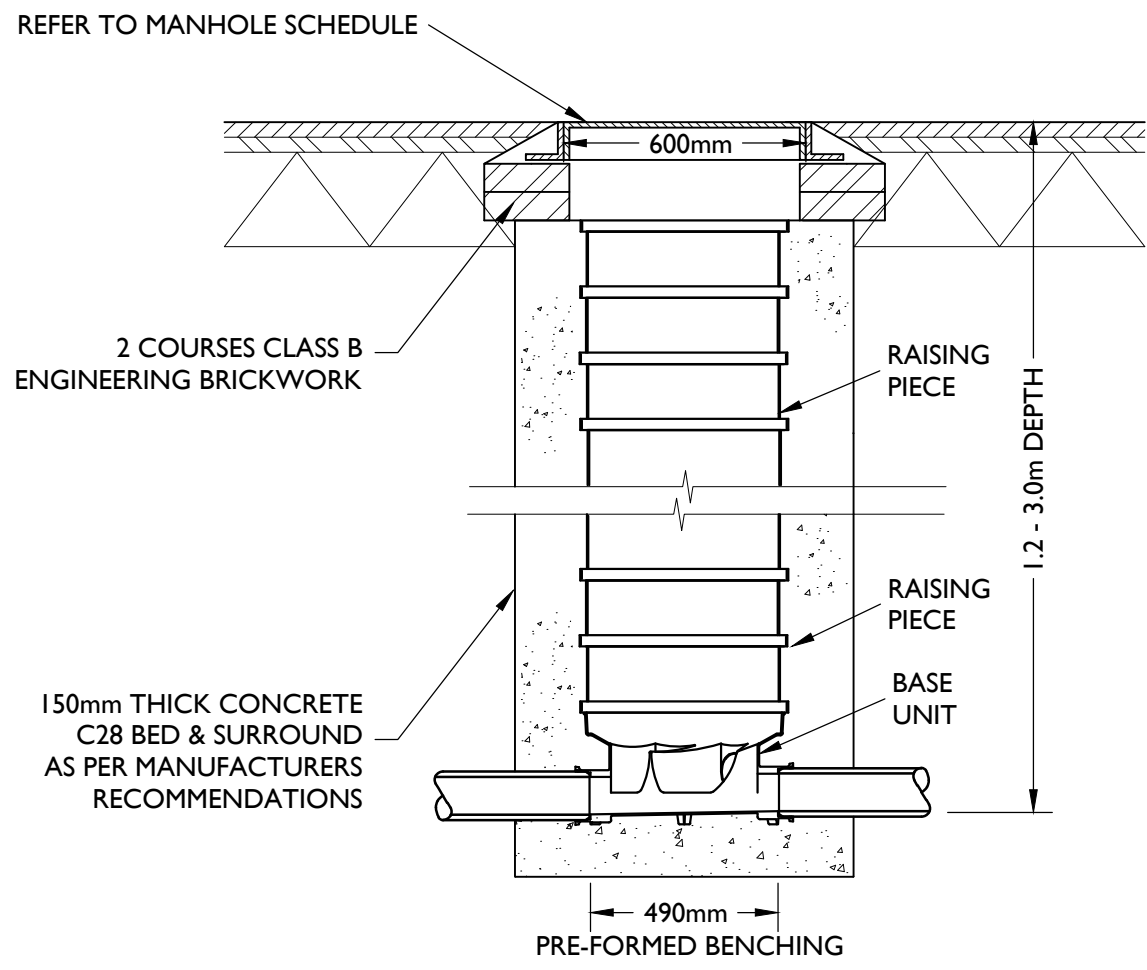


TYPICAL MANHOLE DETAIL - TYPE B
MAXIMUM 3m DEPTH FROM GROUND LEVEL TO SOFFIT OF PIPE

SCALE 1:25

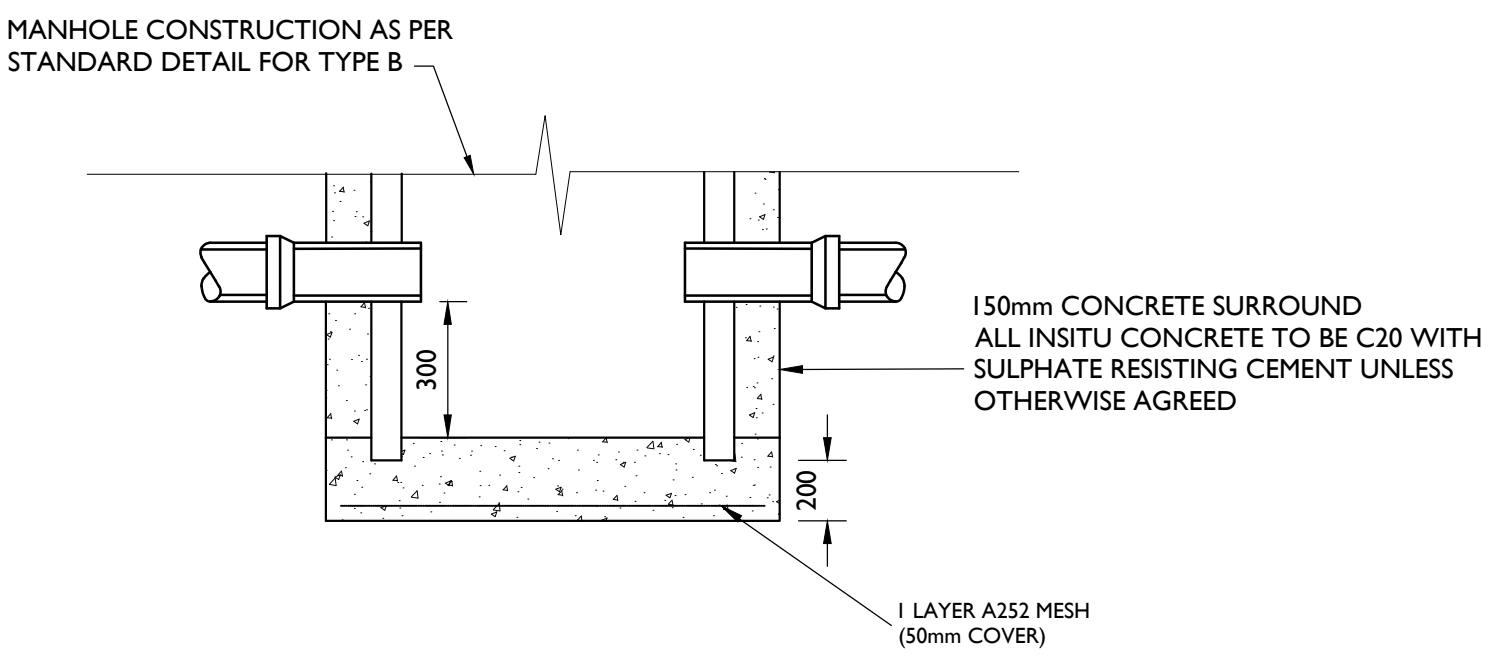


PLAN OF TYPICAL MANHOLE



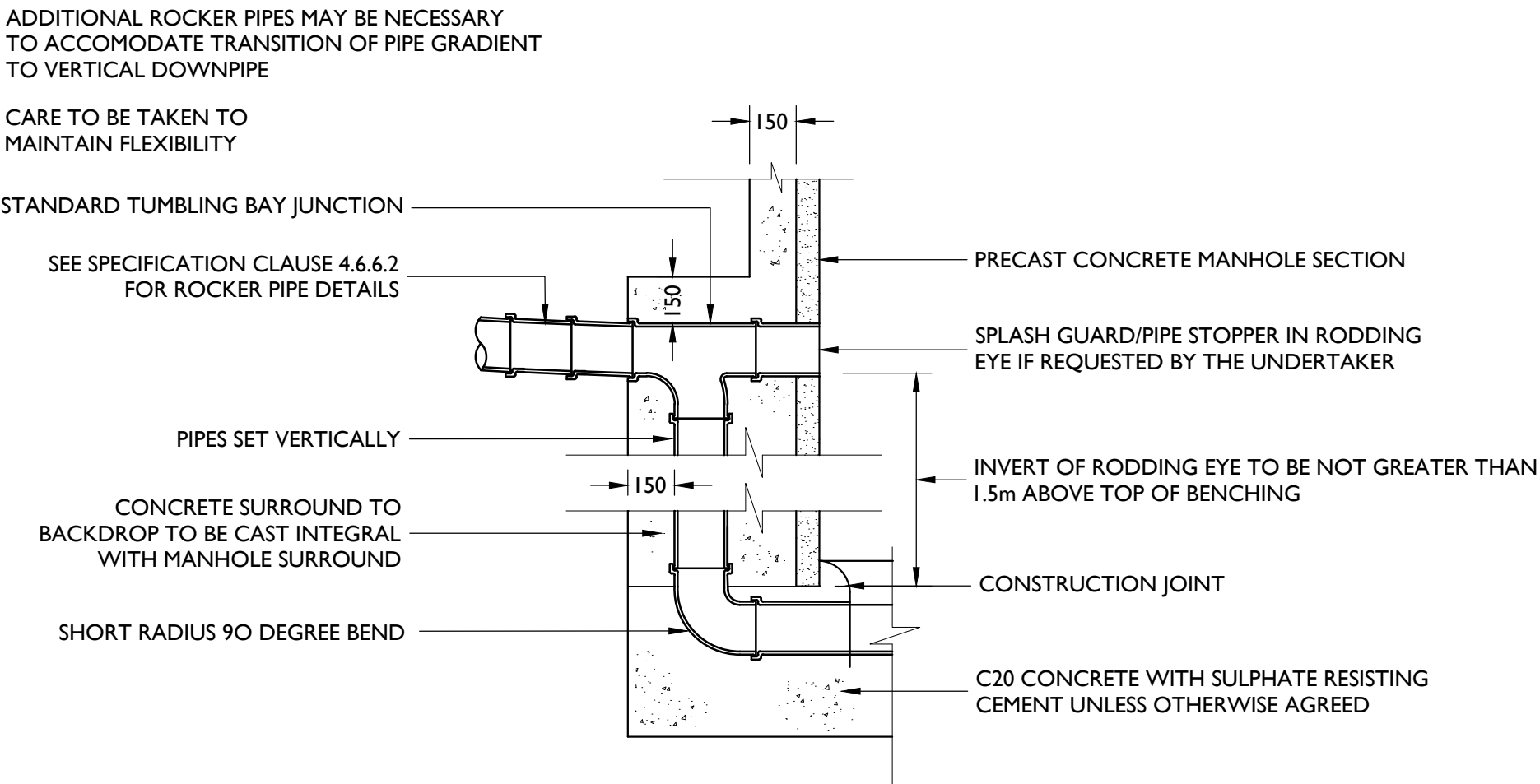
TELESCOPIC POLYPROPYLENE
INSPECTION CHAMBER
SUBJECT TO VEHICULAR LOADINGS

SCALE 1:20



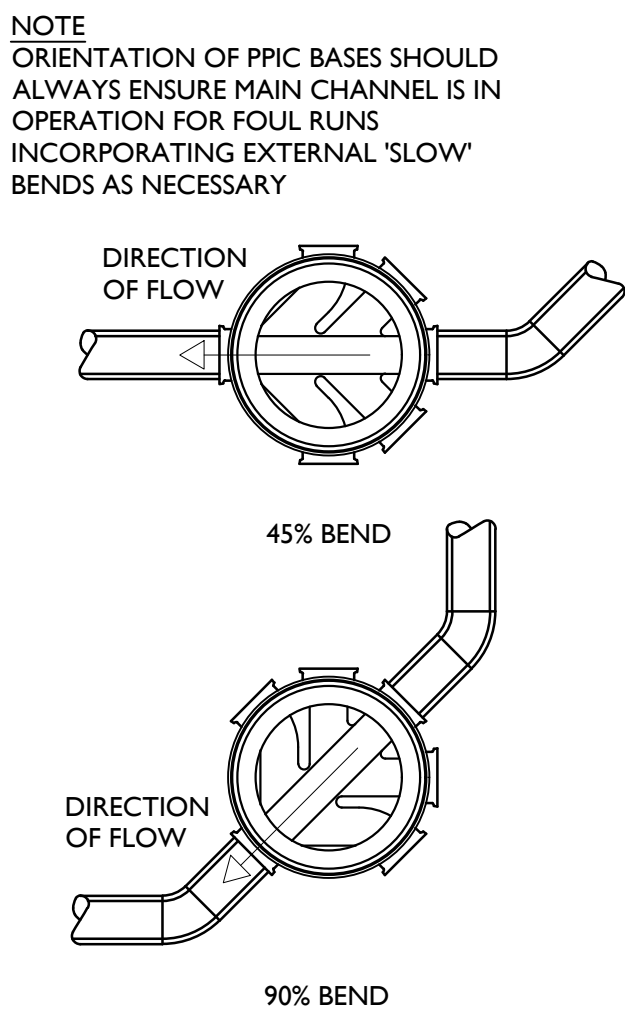
TYPICAL CATCHPIT DETAIL

SCALE 1:25



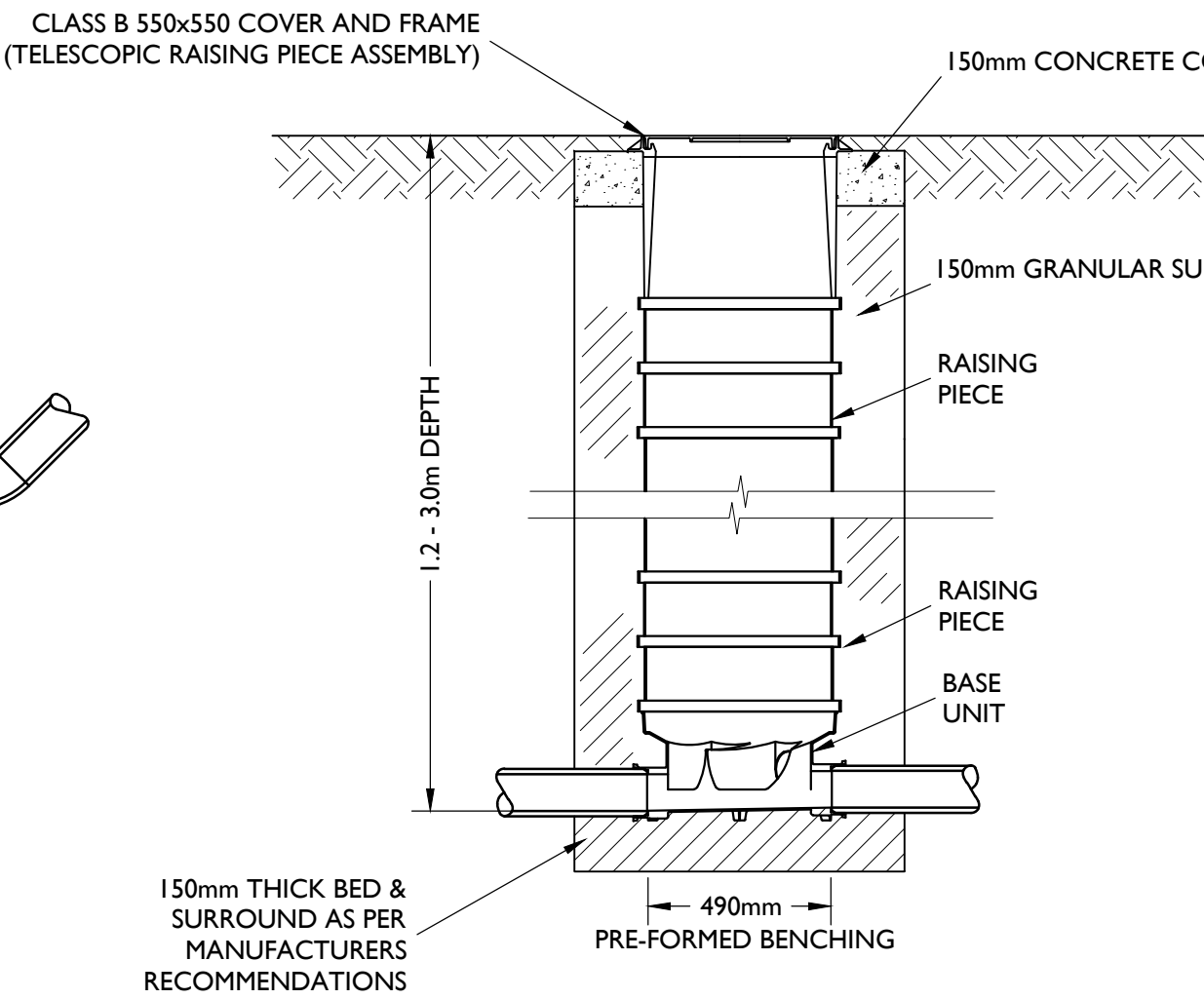
TYPICAL VERTICAL BACKDROP DETAIL

SCALE 1:20



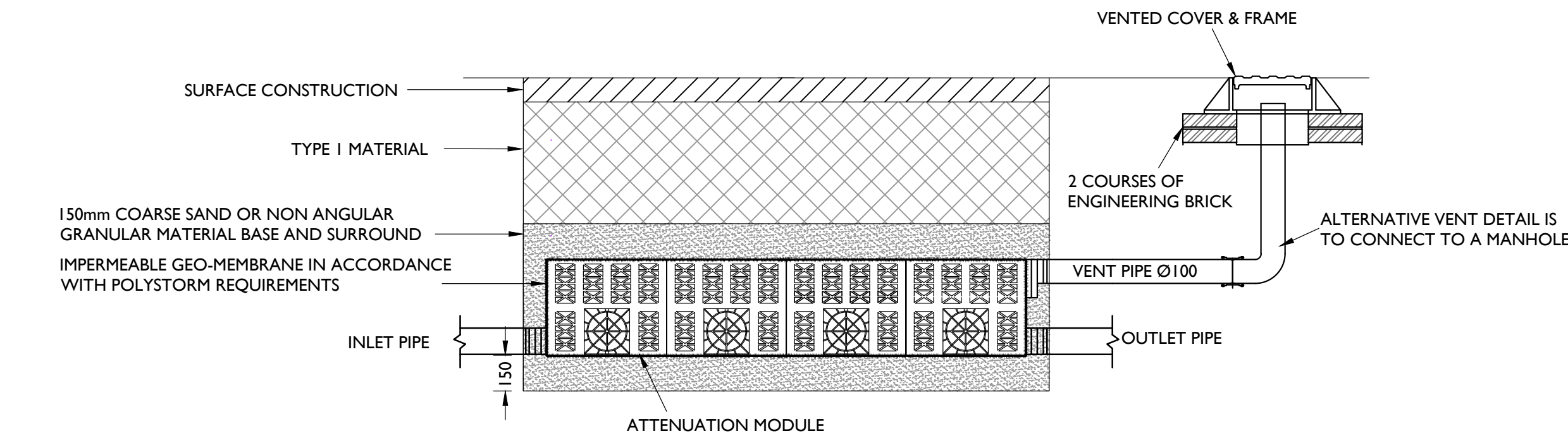
PPIC BASES

SCALE 1:20



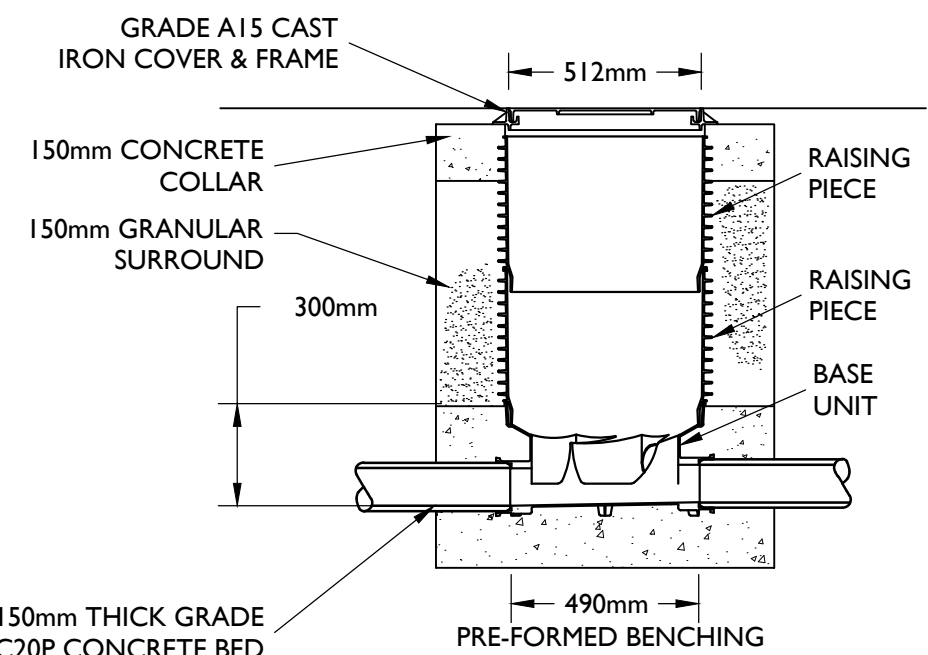
TELESCOPIC POLYPROPYLENE
INSPECTION CHAMBER

SCALE 1:20



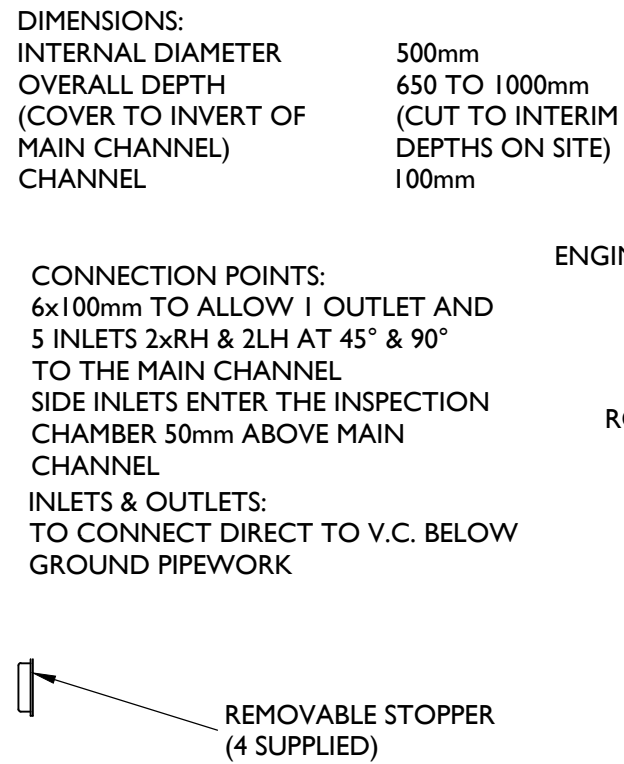
MODULAR ATTENUATION
IN HARD PAVED AREAS

SCALE 1:20



LIGHTWEIGHT POLYPROPYLENE
INSPECTION CHAMBER

SCALE 1:20



HEAVY DUTY POLYPROPYLENE
INSPECTION CHAMBER

SCALE 1:20

NOTES

1. ALL LEVELS AS SHOWN ARE AS PER TOPOGRAPHICAL SURVEY.
2. CONSTRUCTION AND TESTING OF DRAINS AND SEWERS TO COMPLY WITH BS EN 1610. CONTRACTOR SHALL NOTE THAT TOLERANCES OF + OR - 5% OF THE PIPES INTERNAL DIAMETER MUST BE ACHIEVED UP TO A MAXIMUM OF 20mm
3. FOR MANHOLE CONSTRUCTION INFORMATION REFER TO STANDARD DETAILS DRAWINGS.
4. PRECAST MANHOLES SHALL COMPLY WITH BS EN 1917
5. POLYPROPYLENE CHAMBERS TO COMPLY WITH BS 7158.
6. BRICKWORK CHAMBERS WILL TO BE CONSTRUCTED FROM CLASS B ENGINEERING BRICKS COMPLYING WITH BS 3921. BRICKS SHALL ALSO BE FROST-RESISTANT CATEGORY F.
7. CLAY PIPES TO COMPLY TO BS EN 295
8. CONCRETE PIPES TO COMPLY TO BS EN 1916
9. TYPE OF PIPE "PERF" REFERS TO PERFORATED FILTER DRAINS TO COMPLY TO BS 4962.
10. PLASTIC PIPE ALTERNATIVES IN NON-AGRESSIVE SOIL CONDITIONS PLASTIC PIPE ALTERNATIVES WILL BE DEEMED ACCEPTABLE. IF THE CONTRACTOR INTENDS TO USE PLASTIC PIPEWORK IN ACCORDANCE WITH BS 4660 - THE FOLLOWING STANDARDS WILL BE REQUIRED:
DRAINAGE CONNECTIONS OF LESS THAN 150Ø SHALL BE SOLID WALL uPVC PIPES COMPLYING WITH BS EN 1401-1
PIPE SIZES 150-900Ø (TO BE USED IN FOUL OR COMBINED FLOW DRAINAGE SYSTEMS) SHALL BE THERMOPLASTIC STRUCTURED WALL PIPE COMPLYING WITH WIS 4-35-01
PIPE SIZES 150-900Ø (TO BE USED IN SURFACE WATER DRAINAGE SYSTEMS) SHALL BE THERMOPLASTIC STRUCTURED WALL PIPES WITH BBA & HAPAS ACCREDITATION.
- THE CONTRACTOR SHALL SUBMIT DETAILS OF THE PROPOSED PLASTIC PRODUCTS FOR APPROVAL BY THE ENGINEER.
11. THE CONTRACTOR SHALL ALSO NOTE THAT CONNECTIONS TO PUBLIC SEWERS & MATERIALS USED IS SUBJECT TO AGREEMENT WITH THE ADOPTING AUTHORITY AND THE CONTRACTOR SHALL THEREFORE ASSUME THAT TRADITIONAL MATERIALS MUST BE USED UNLESS EXPRESSIVELY INFORMED OTHERWISE.
12. MOULDED PPIC BASES HAVE A CAST IN SLOPE OF 20mm ACROSS THE MAIN CHANNEL AND A STEP OF 75mm FROM THE MAIN CHANNEL TO INCOMING BRANCHES. WHERE PPIC MANHOLES ARE SHOWN, LEVELS HAVE BEEN CALCULATED TO REFLECT THE SLOPE / STEP AS NECESSARY.
13. MOULDED MINI PPIC BASES HAVE A CAST IN SLOPE OF 20mm ACROSS THE MAIN CHANNEL AND A STEP OF 35mm FROM THE MAIN CHANNEL TO INCOMING BRANCHES. WHERE MINI PPIC MANHOLES ARE SHOWN, LEVELS HAVE BEEN CALCULATED TO REFLECT THE SLOPE / STEP AS NECESSARY.

REV	DESCRIPTION	BY	CHK	APR	DATE
-	-	-	-	-	-

+44 (0)1244 893430 www.jpstructural.co.uk info@jpstructural.co.uk	
PURPOSE OF ISSUE	STATUS
PRELIMINARY	P
PROJECT FORMER GREENFINCH PUBLIC HOUSE LAPWING LANE DIDSURY	
TITLE DRAINAGE SCHEME CONSTRUCTION DETAILS 1	
CLIENT Churchill Retirement Living	
DRAWN BY RH	CHECKED BY MM
DATE 31.03.2026	APPROVED BY JP
SCALE (@ A1) As Shown	
PROJECT NUMBER 90023	
DRAWING NUMBER 0605	REV P01