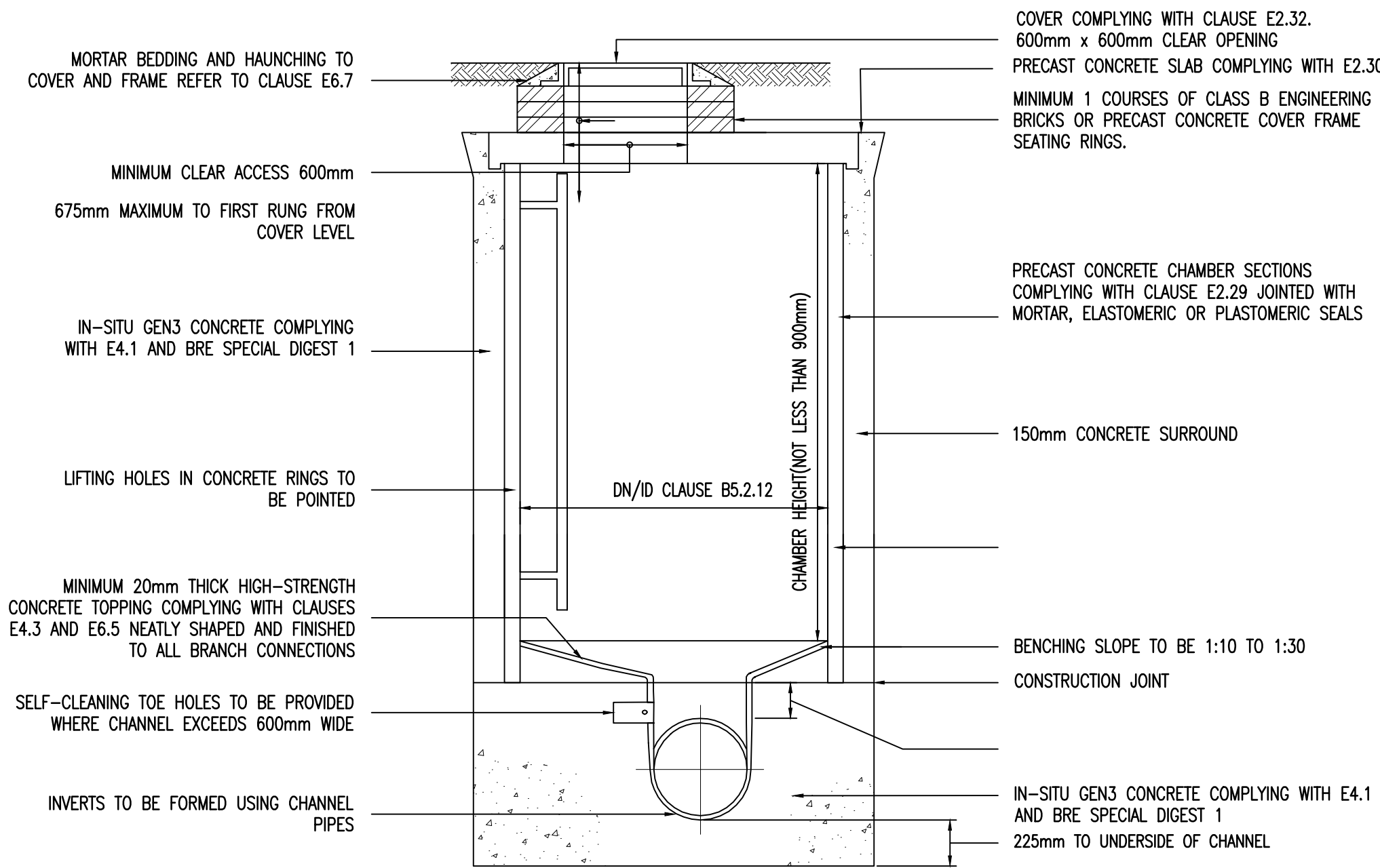
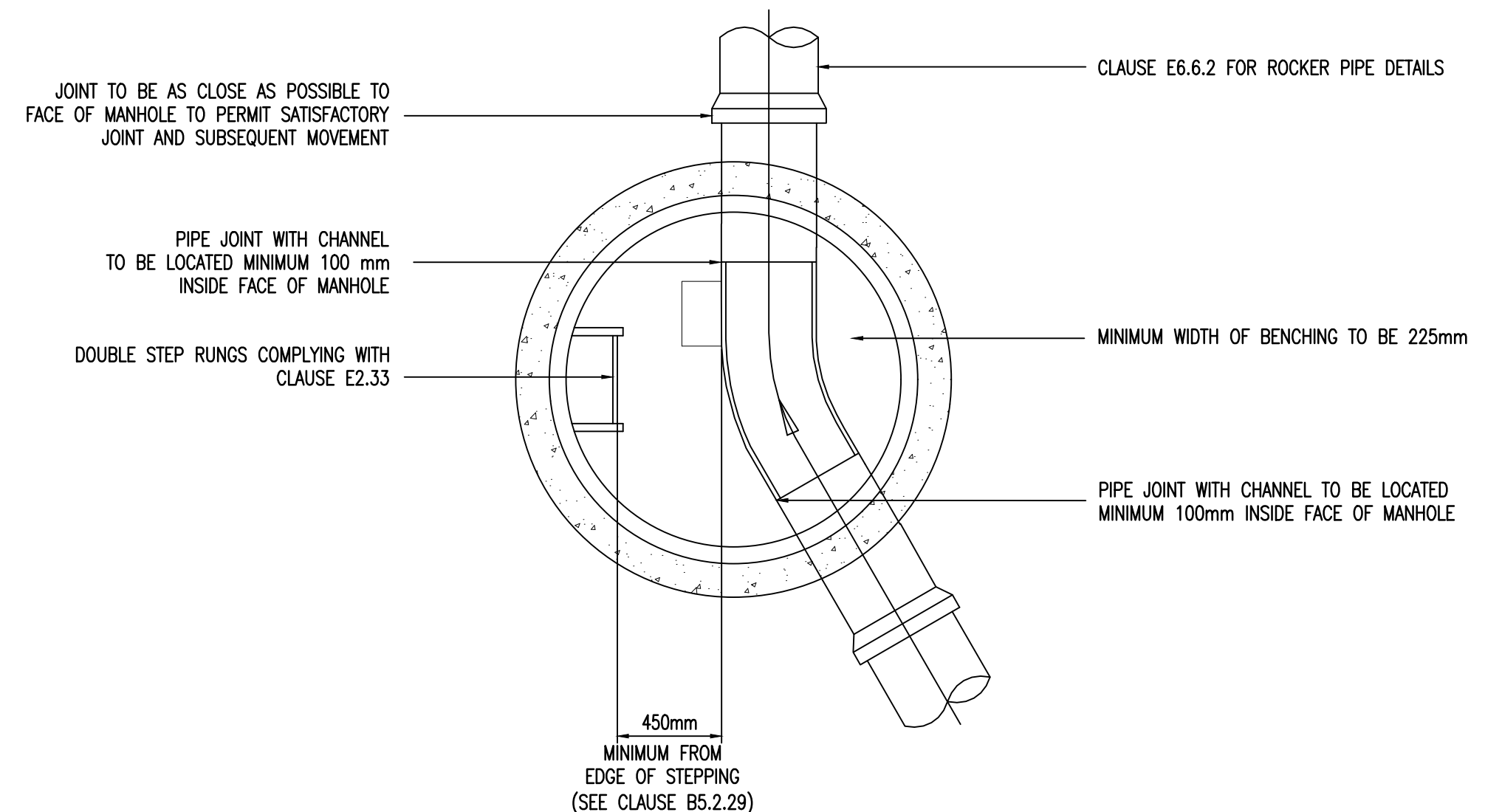
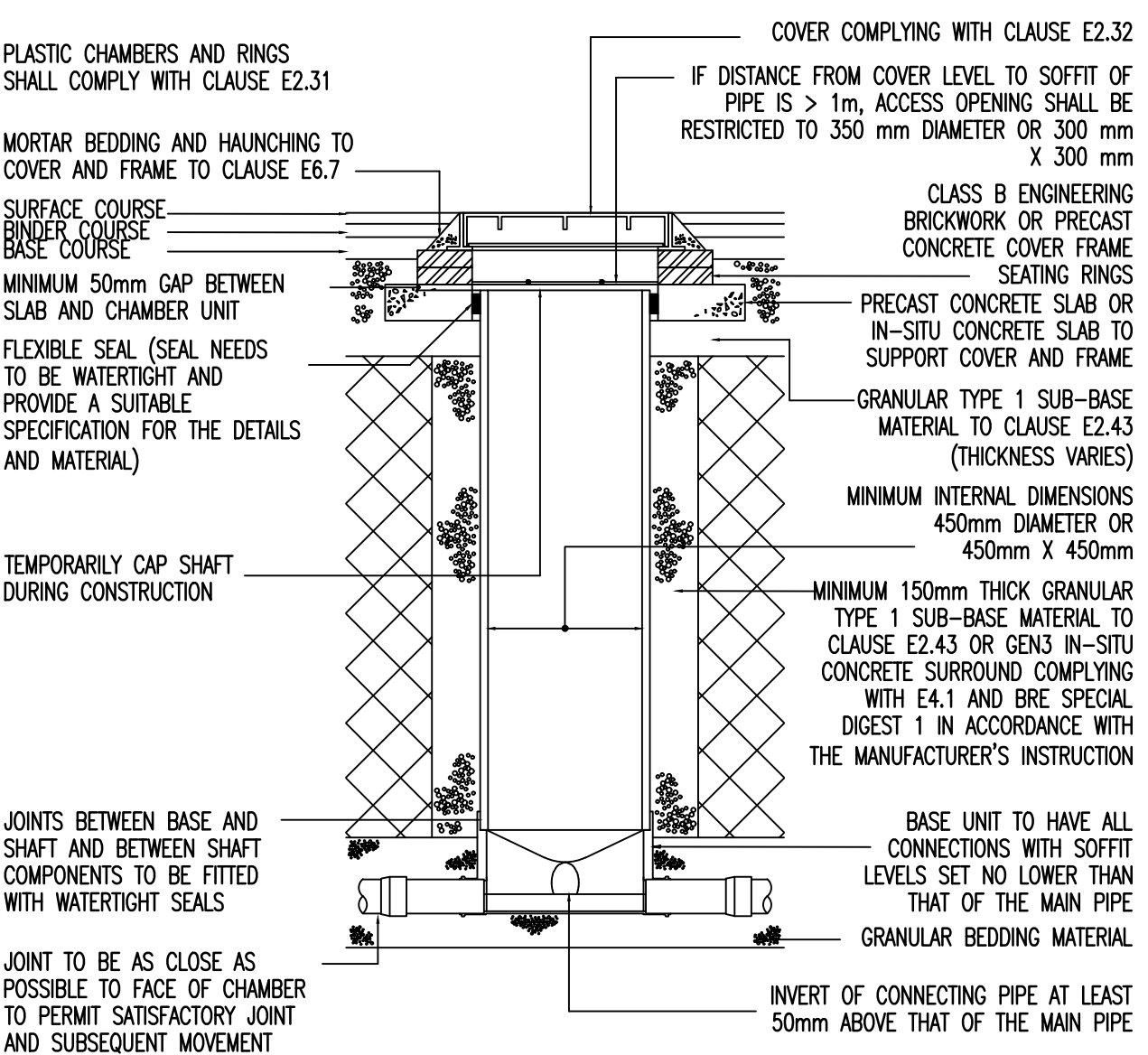




TYPICAL MANHOLE DETAIL – TYPE B
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m TO 6m
SCALE 1:25



NOTES

—WHERE THE ACCESS CHAMBER IS IN THE HIGHWAY THE HIGHWAY AUTHORITY CAN HAVE SPECIFIC REQUIREMENTS.

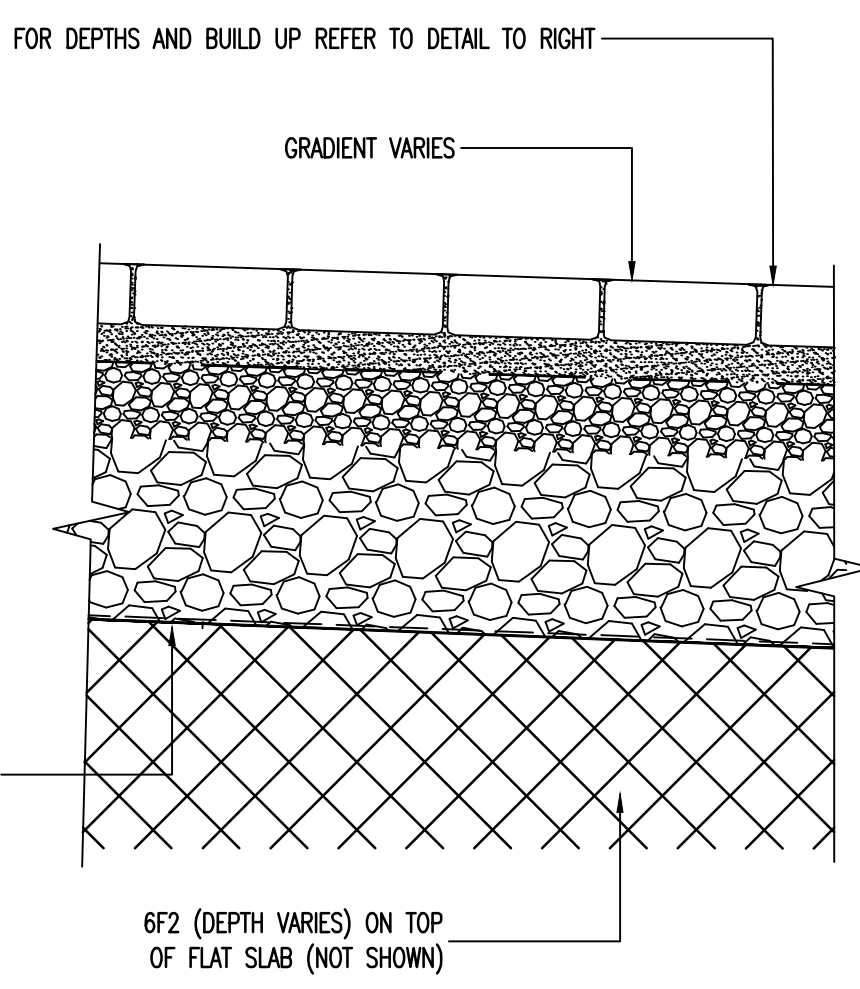
—MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE IN AREAS SUBJECT TO VEHICLE LOADING 3 M.

NON-ENTRY.

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

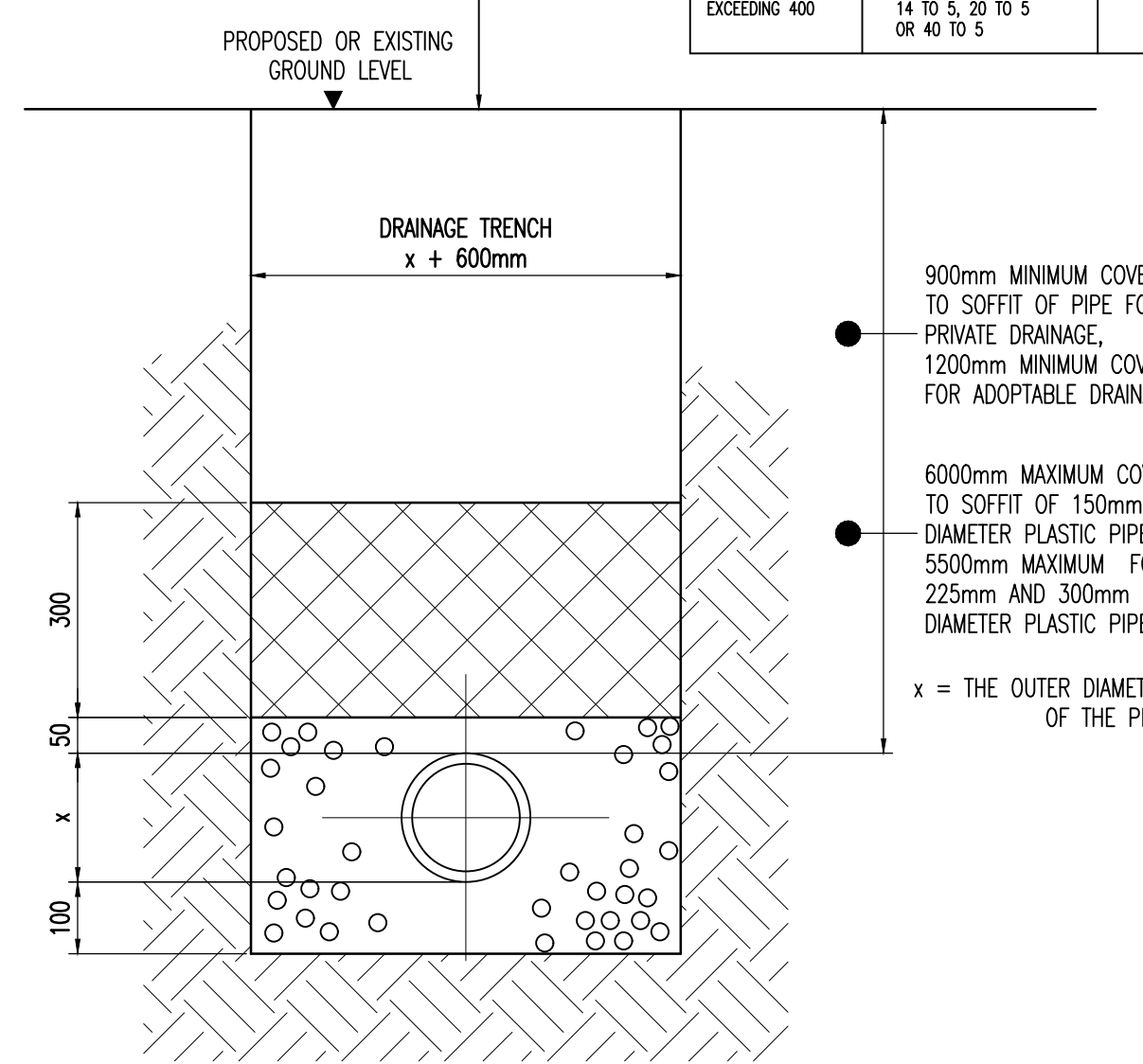
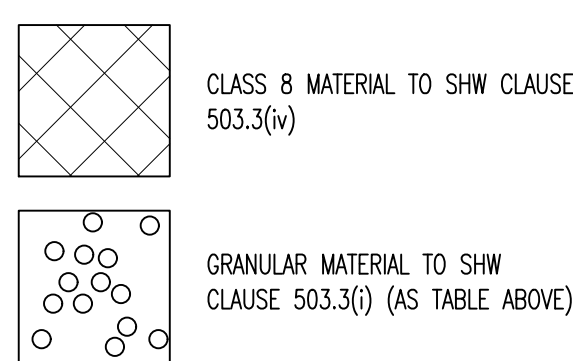
TYPICAL INSPECTION CHAMBER DETAIL – TYPE D (FLEXIBLE)
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE UP TO 3m
FLEXIBLE MATERIAL CONSTRUCTION FOR USE IN AREAS SUBJECT TO VEHICLE LOADING

TOP OF 6F2 LAYER TO BE LAID AT SAME GRADIENT AS (OR NO STEEPER THAN) THE GRADIENT OF THE PAVING



PERMEABLE PAVING DRAINAGE
(SLOPED AREA – EASTERN ENTRANCE)
(SCALE 1:10)

FOR SURFACE FINISH TO DRAINAGE EXCAVATION REFER TO EXTERNAL WORKS PLAN AND THEN RELEVANT HIGHWAY/LANDSCAPING DETAILS. NOTE THAT REINSTATEMENT FOR WORKS IN EXISTING ADOPTED HIGHWAYS ARE TO BE AGREED BY THE CONTRACTOR WITH THE RELEVANT HIGHWAY AUTHORITY.

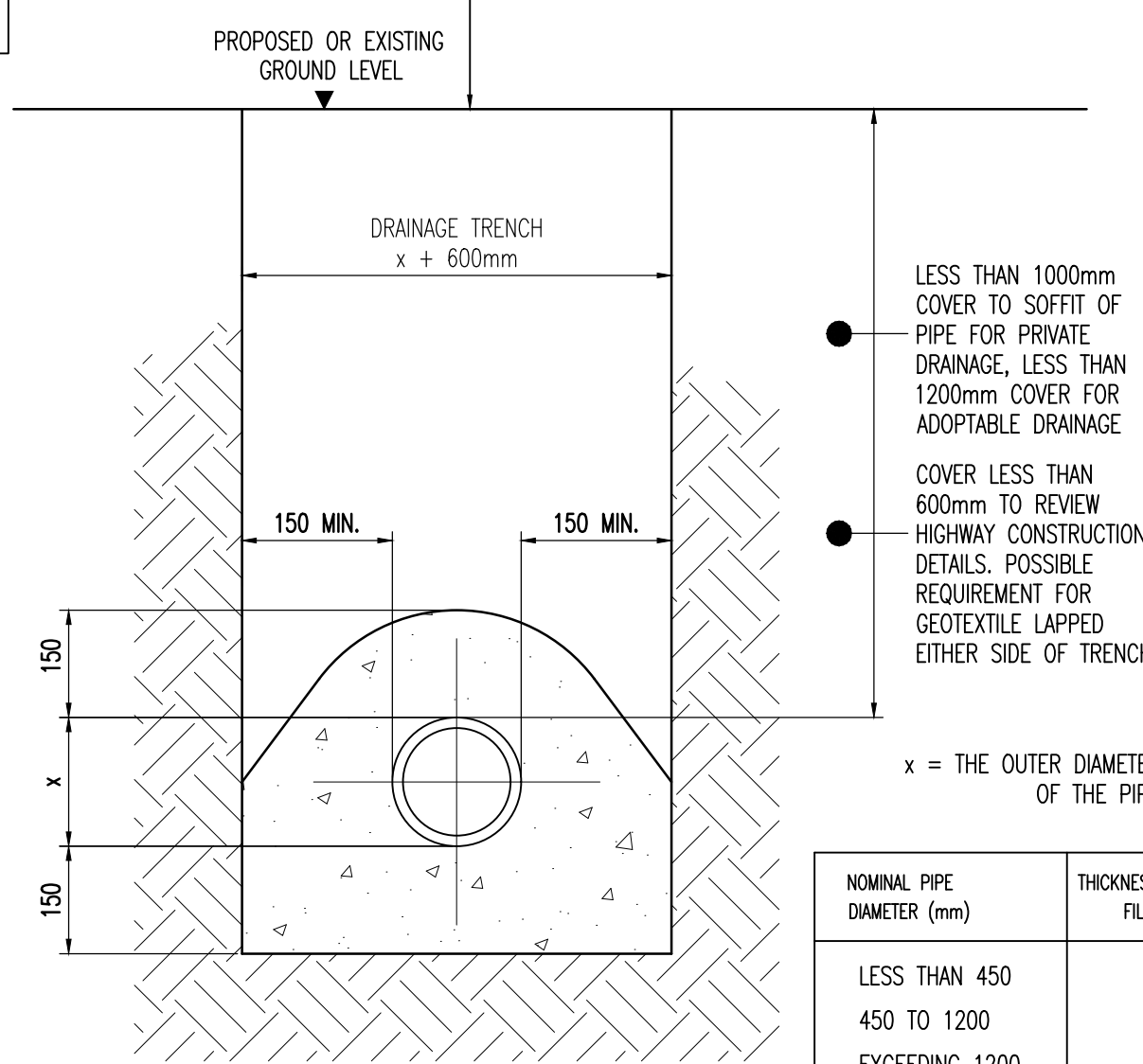


NOTE: CLASS 'S' BEDDING FOR USE WITH ALL ADOPTABLE DRAINAGE WITH COVER TO SOFFIT OF PIPE GREATER THAN 1200mm. PRIVATE DRAINAGE WITHIN LANDSCAPED AND OTHER NON-TRAFFICKED AREAS WITH COVER GREATER THAN 1000mm TO THE PIPE SOFFIT MAY USE PIPE BEDDING CLASS 'T'

CLASS 'S' PIPE BEDDING

PIPE DIAMETER (mm)	B.S. 882 COARSE AGGREGATE (TABLE 4)	
	GRADED AGGREGATE RANGES (mm)	SINGLE SIZED AGGREGATE SIZES (mm)
NOT EXCEEDING 140		10
EXCEEDING 140 BUT NOT EXCEEDING 400	20 TO 5 OR 14 TO 5	10, 14 OR 20
EXCEEDING 400	14 TO 5, 20 TO 5 OR 40 TO 5	10, 14, 20 OR 40

FOR SURFACE FINISH TO DRAINAGE EXCAVATION REFER TO EXTERNAL WORKS PLAN AND THEN RELEVANT HIGHWAY DETAILS. NOTE THAT REINSTATEMENT FOR WORKS IN EXISTING ADOPTED HIGHWAYS ARE TO BE AGREED BY THE CONTRACTOR WITH THE RELEVANT HIGHWAY AUTHORITY.

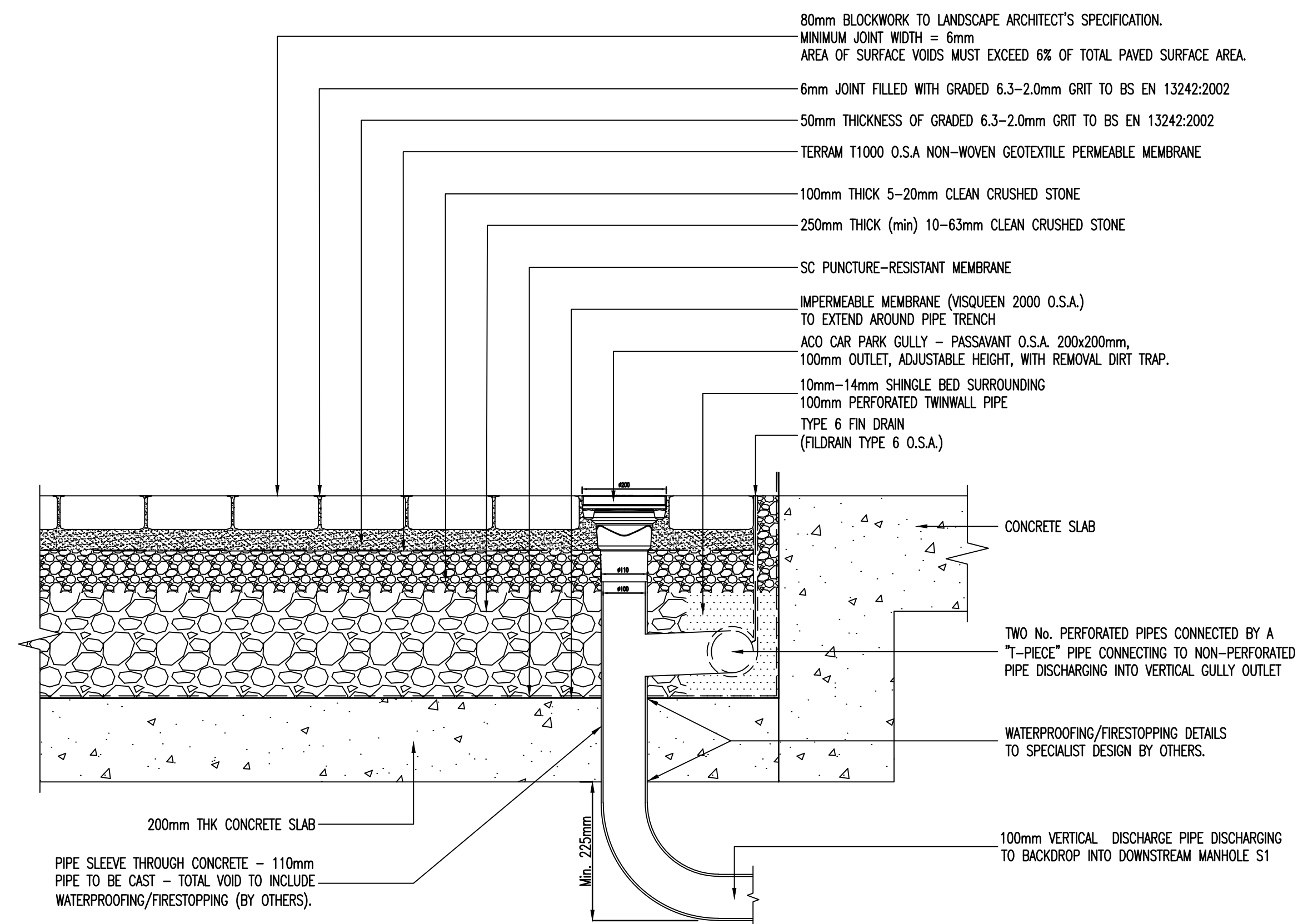


NOMINAL PIPE DIAMETER (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450 TO 1200	36
EXCEEDING 1200	54

ST4 CONCRETE WITH COMPRESSIBLE FILLER BOARD AT 3m MAXIMUM CENTRES AND ALL PIPE JOINTS. FILLER BOARD SHALL CONSIST OF BITUMEN IMPREGNATED INSULATION BOARD TO B.S. 1142, B.S. EN 120 AND B.S. EN 317. THICKNESS OF COMPRESSIBLE BOARD AS TABLE ABOVE

NOTE: CLASS 'Z' BEDDING FOR USE WITH ALL ADOPTABLE DRAINAGE WITH COVER TO SOFFIT OF PIPE LESS THAN 1200mm.

CLASS 'Z' PIPE BEDDING



PERMEABLE PAVING DRAINAGE & FIN DRAIN DETAIL
(COURTYARD – NORTH OF SITE)
(SCALE 1:10)

NOTES

- GENERAL
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS RELATE TO ORDNANCE DATUM UNLESS NOTED OTHERWISE.
 3. DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY.
 4. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
 5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
 6. THIS DRAWING IS COPYRIGHT © PROPERTY OF SHEAR DESIGN LIMITED.