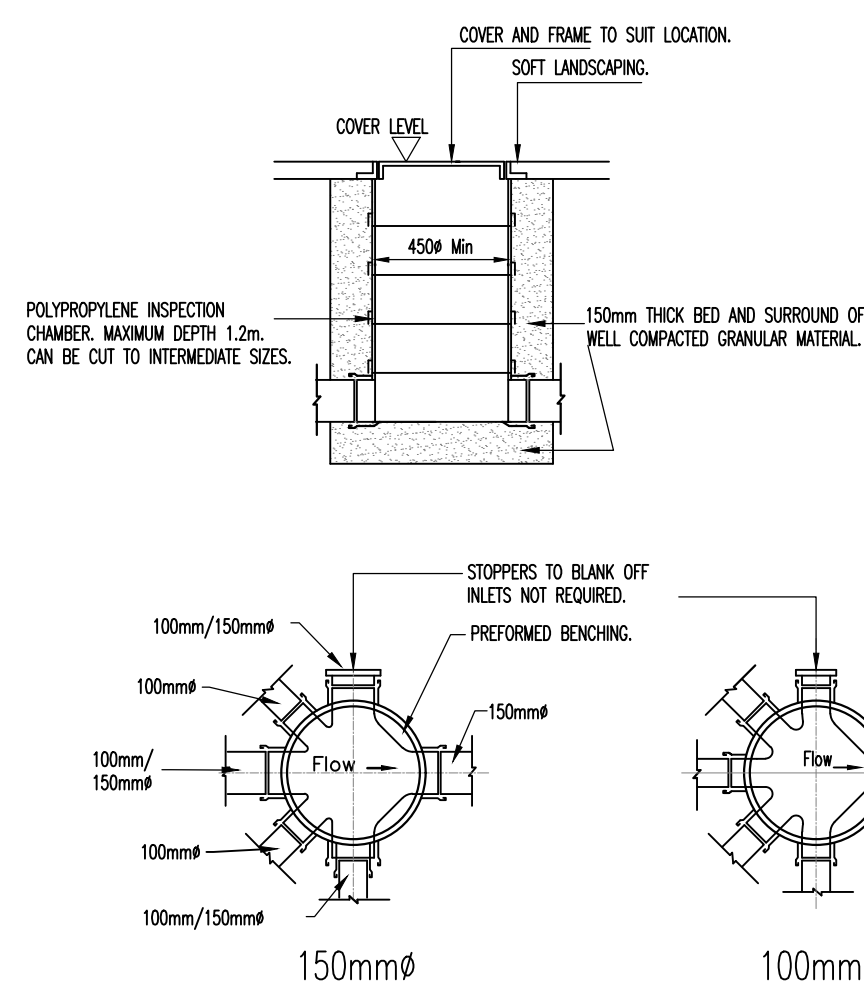
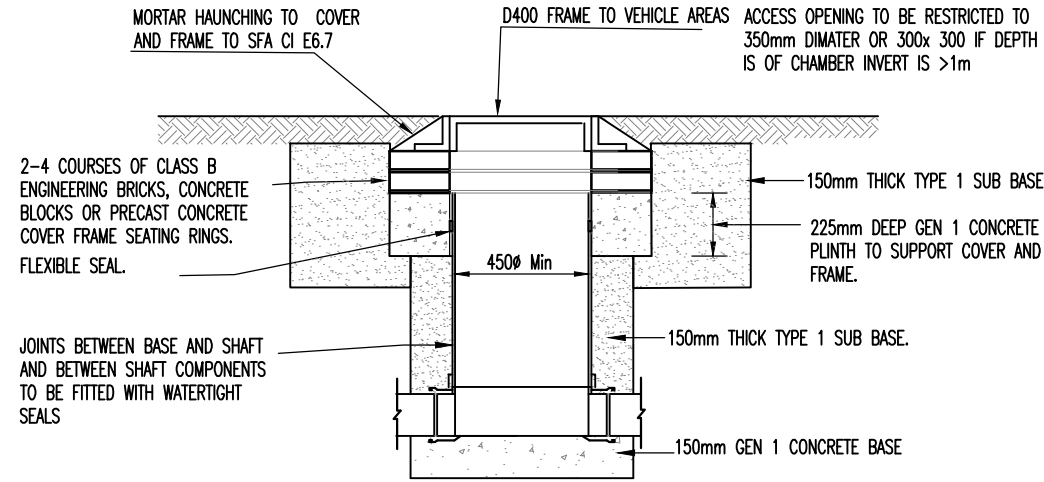


TYPICAL ACCESS CHAMBER DETAIL-TYPE 3 (FLEXIBLE MATERIAL DETAIL) SITED SOFT LANDSCAPE AREA



TYPICAL ACCESS CHAMBER DETAIL-TYPE 3 (FLEXIBLE MATERIAL DETAIL) TRAFFICKED AREA INCLUDING

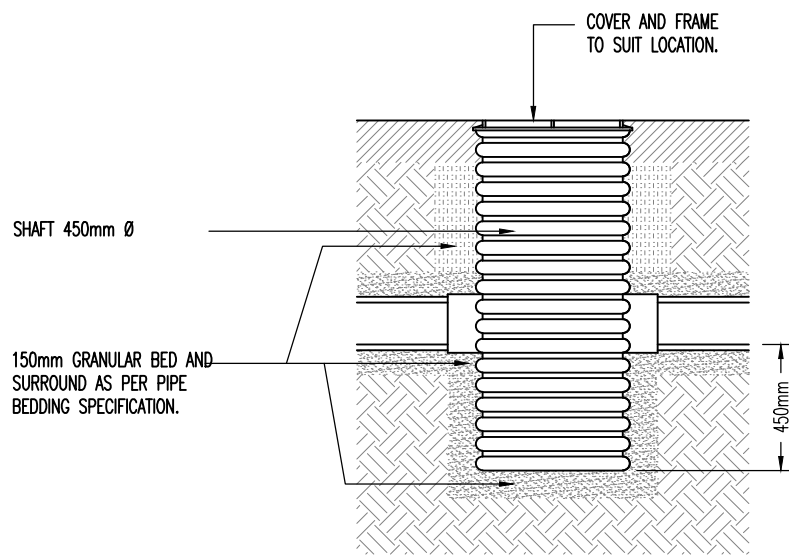


ROCKER PIPES

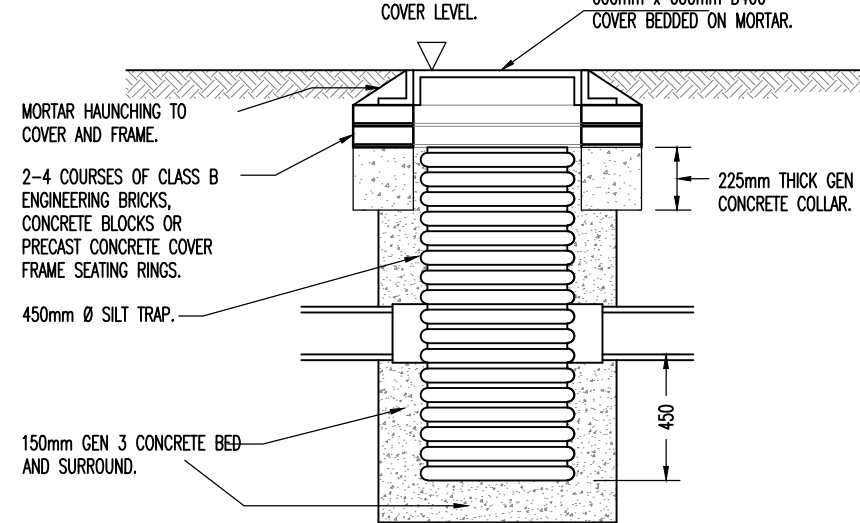
Nominal Diameter (mm)	Effective Length (mm)
150-600	0.600
675-750	1.000
over 750	1.250

NOTE
PRIVATE DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS "APPROVED DOCUMENT H".

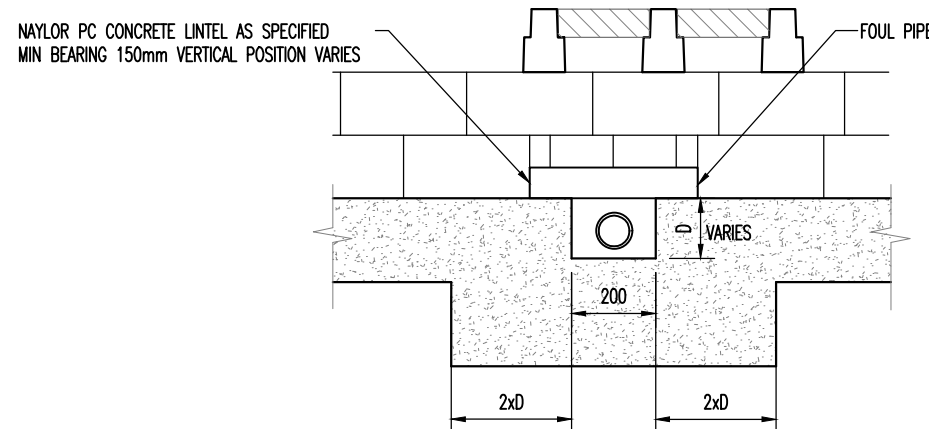
SILT TRAP



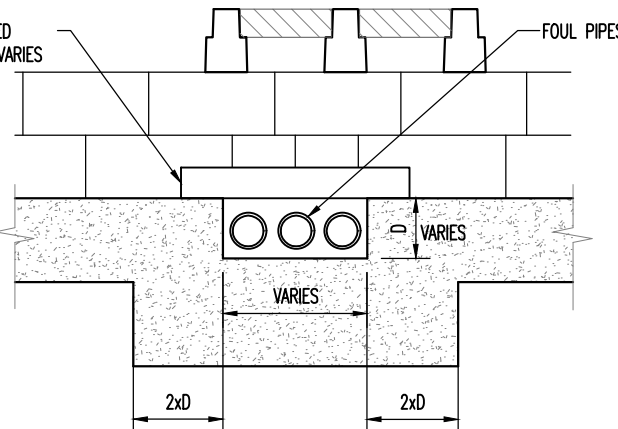
SILT TRAP WITH HEAVY DUTY D400 COVER AND FRAME



TYPICAL SECTION WHERE CONCRETE FOUNDATION DROPPED LOCALLY TO SUIT PIPE INVERT

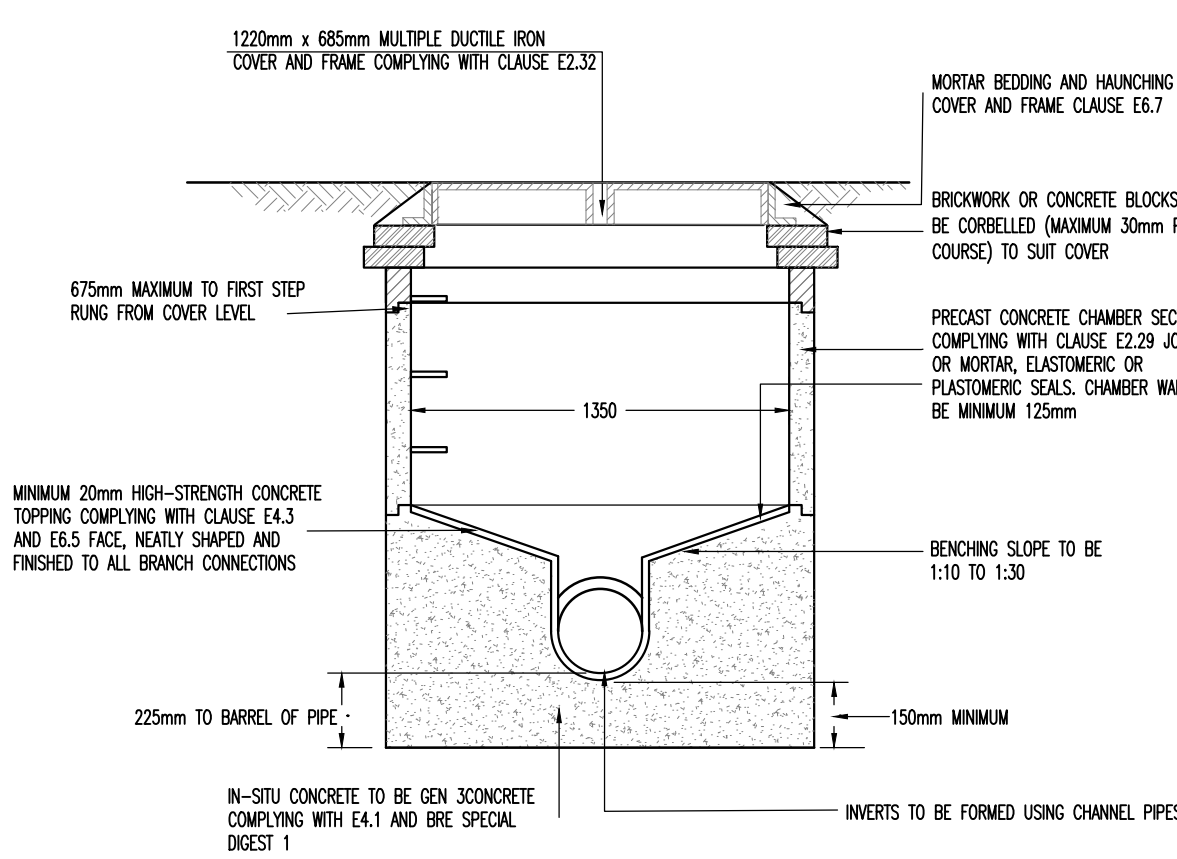


TYPICAL SECTION WHERE CONCRETE FOUNDATION DROPPED LOCALLY TO SUIT PIPE INVERT



TYPICAL MANHOLE TYPE C

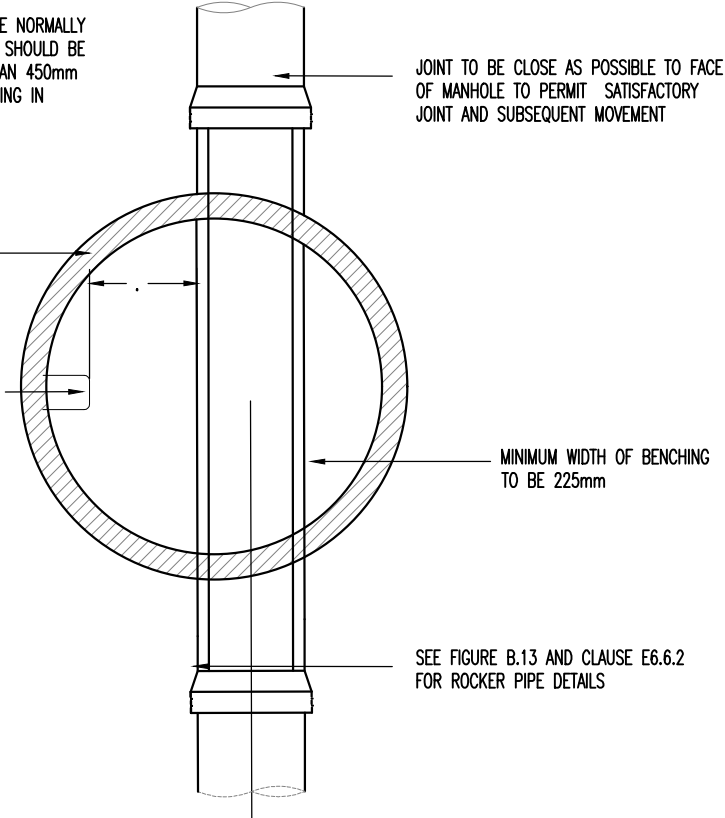
DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5m MAXIMUM PIPE SIZE 450mm DIAMETER. RIGID MATERIAL CONSTRUCTION



INTERNAL DIMENSIONS OF MANHOLE NORMALLY 1350mm BUT MANHOLE DIAMETER SHOULD BE INCREASED FOR PIPES LARGER THAN 450mm DIAMETER TO GIVE 225mm BENCHING IN ACCORDANCE WITH BS.2.99

450mm MINIMUM FROM EDGE OF STEPPING (SEE CLAUSE BS.2.29)

DOUBLE STEP RUNS COMPLYING WITH CLAUSE E2.33



ACO MULTIDRAIN CHANNEL TO PAVED AREAS

PAVING INTERFACES VARY DEPENDING ON LOCATION CAN ALSO BE USED IN REFUSE STORE IN LIEU OF A TRADITIONAL TRAPPED GULLY

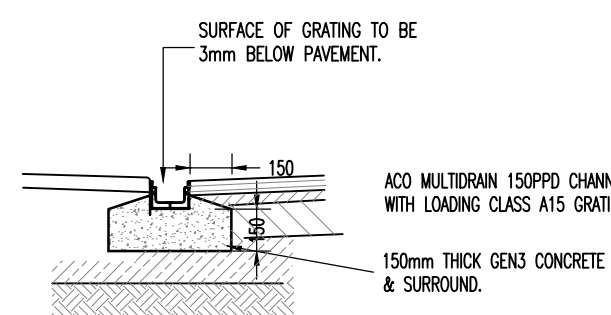
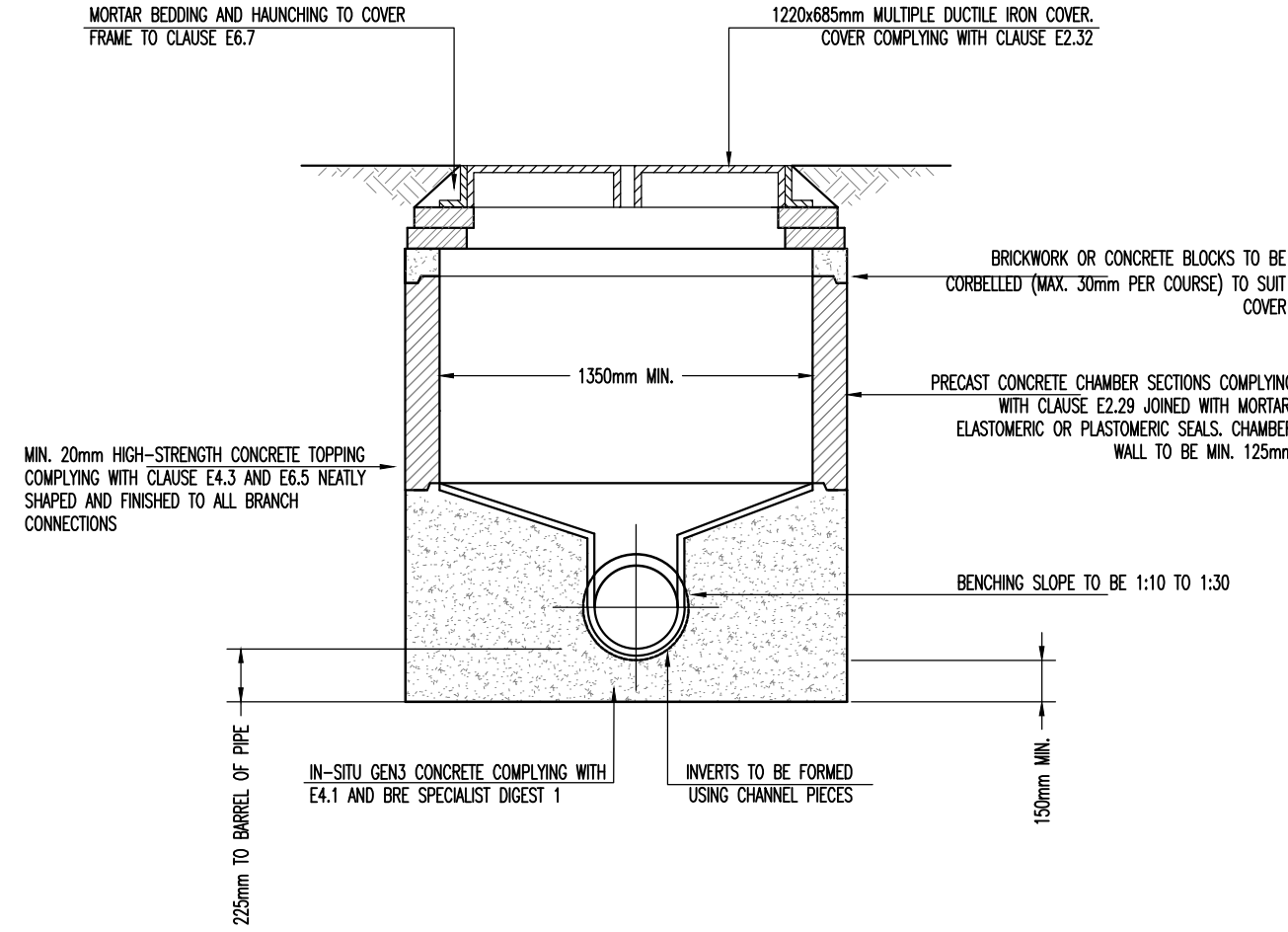


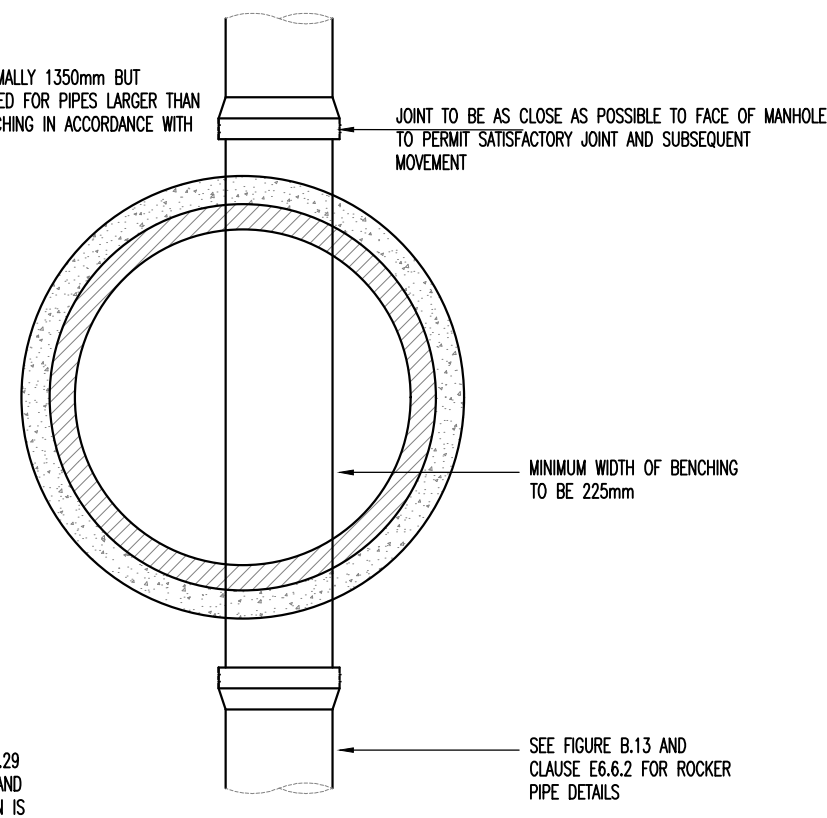
FIGURE B 15

TYPICAL MANHOLE DETAIL- TYPE C

MINIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE LESS THAN 1.5m MAXIMUM PIPE SIZE 450mm DIAMETER RIGID CONSTRUCTION



INTERNAL DIMENSIONS OF MANHOLE NORMALLY 1350mm BUT MANHOLE DIAMETER SHOULD BE INCREASED FOR PIPES LARGER THAN 450mm DIAMETER TO GIVE 225mm BENCHING IN ACCORDANCE WITH BS.2.99

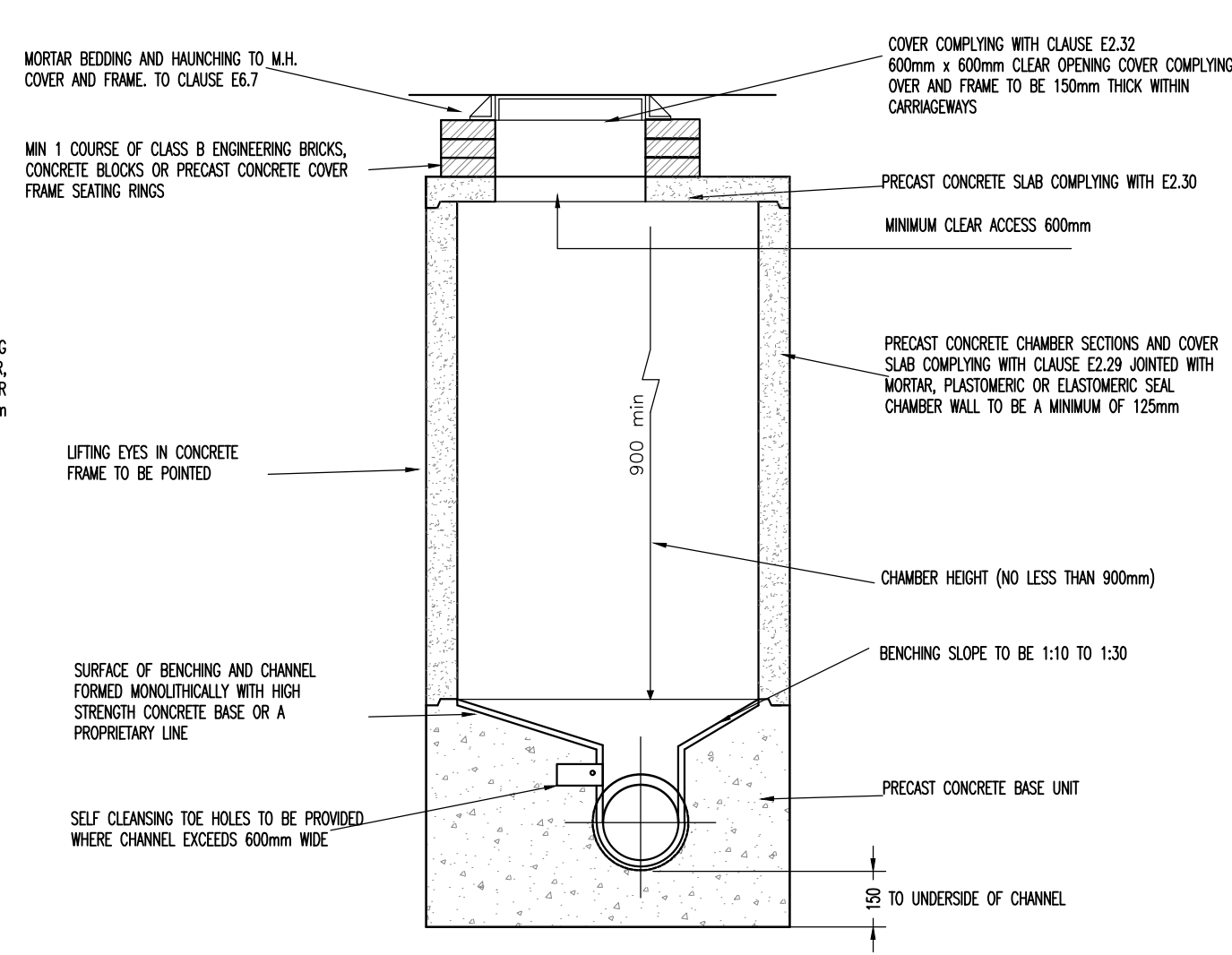


NOTE: THE USE OF PRECAST CONCRETE CHAMBER UNITS TO E2.29 WITH 150mm GEN3 IN-SITU CONCRETE COMPLYING WITH E4.1 AND BRE SPECIAL DIGEST 1 IN PLACE OF BRICKWORK CONSTRUCTION IS PERMITTED

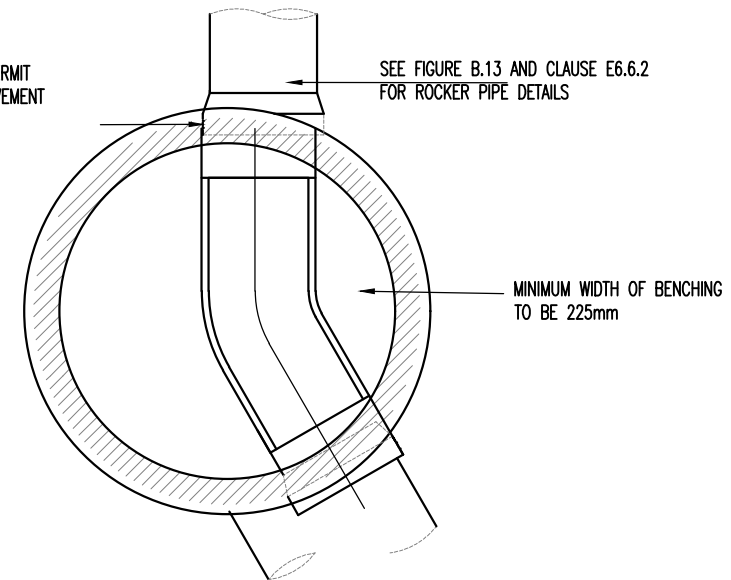
FIGURE B 9

TYPICAL MANHOLE DETAIL- TYPE B

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 1.5m TO 3.0m RIGID MATERIAL CONSTRUCTION WITHOUT CONCRETE SURROUND



JOINT TO BE WITHIN CHAMBER WALL TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT

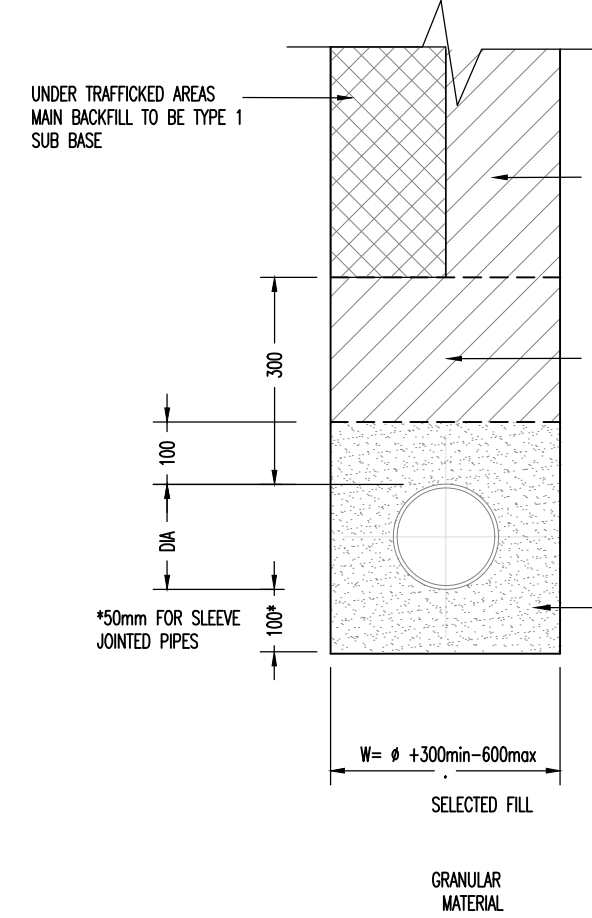


NOTES

- DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS ONLY, IF IN DOUBT ASK.
- ALL DIMENSIONS IN MILLIMETRES UNLESS NOTED OTHERWISE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.

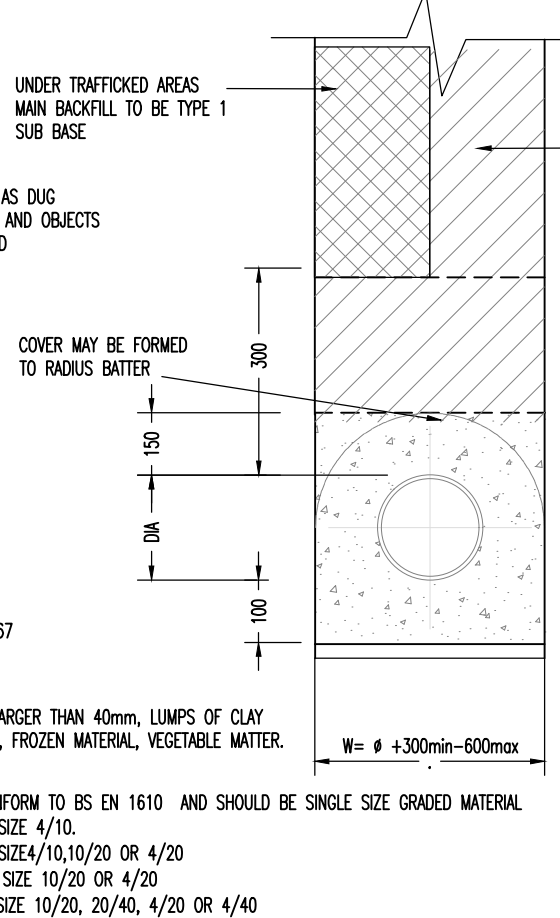
CLASS S

TO BE USED WHEN COVER IS > 1.2m IN CARRIAGEWAY > 501mm IN SOFTSCAPE



CLASS Z

TO BE USED WHEN COVER IS < 1.2m IN CARRIAGEWAY < 501mm IN SOFTSCAPE

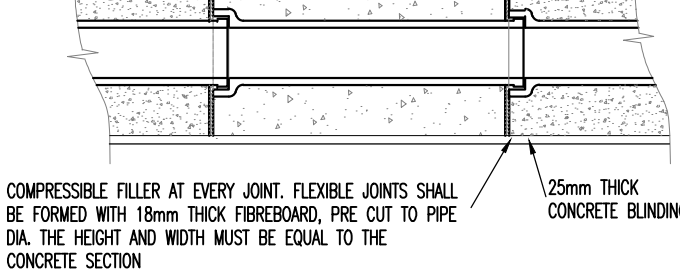


NOTES: (CLASS S & CLASS Z)

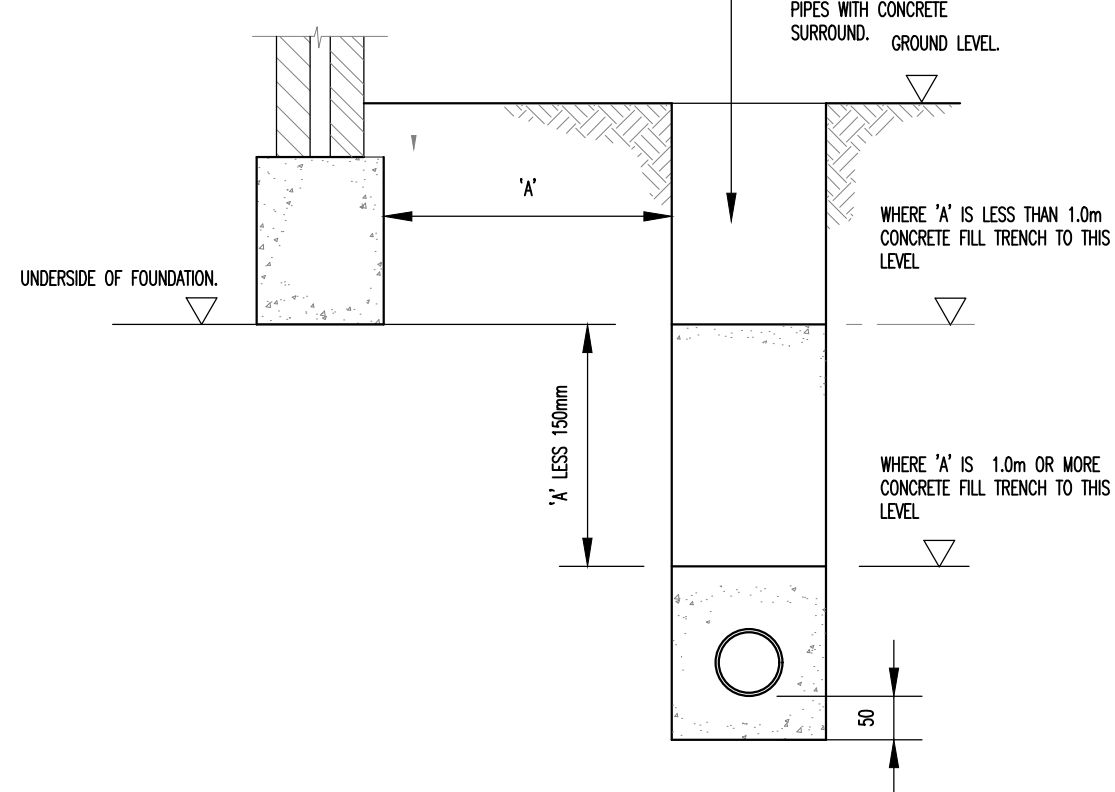
- BEDDING BENEATH AND AT SIDES OF THE PIPE TO BE WELL COMPACTED.
- WHERE A CONCRETE GRADE IS PROVIDED, THE FIRST 300mm OF FILL ABOVE THE CROWN OF THE PIPE IS TO BE LIGHTLY COMPACTED BY HAND. MECHANICAL COMPACTION MAY BE USED ONLY ABOVE THIS LEVEL.
- CONCRETE CROQUES AND ARCHES MAY BE EXTENDED TO THE SIDES OF THE TRENCH.
- GEOTEXTILES MAY BE USED WHERE DIRECTED OR APPROVED BY THE ENGINEER TO CONTAIN BEDDING MATERIAL IN CERTAIN SOILS EG. RUNNING SAND.
- IN VERY WET CONDITIONS, WHERE DIRECTED OR APPROVED BY THE ENGINEER A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED.
- NOTES: (CLASS 'Z' ONLY)
WHERE PIPES WITH FLEXIBLE JOINTS ARE USED THE CONCRETE PROTECTION SHALL BE INTERRUPTED OVER ITS FULL CROSS-SECTION AT EACH JOINT BY A SHAPED 18mm COMPRESSIBLE FILLER. IF PIPES ARE SURROUNDED IN CONCRETE THE JOINTS SHALL BE PROTECTED FROM THE INGRESS OF CONCRETE BY WRAPPING THEM WITH TWO COATS OF MASTIC BANDAGE TAPE.
- CONCRETE TO BE GEN 1
- WHERE FLEXIBLE PIPES ARE USED, CARE MUST BE TAKEN TO PREVENT THE PIPES FROM FLOATING.

ELEVATION ON CLASS Z BEDDING

BACKFILL AS DETAIL AND R12 SPECIFICATION



DETAILS ADJACENT STRIP FOUNDATIONS



TUMBLING BAY JUNCTION (ACTUAL DETAILS WILL BE DEPENDANT ON THE TYPE OF PIPE USED)

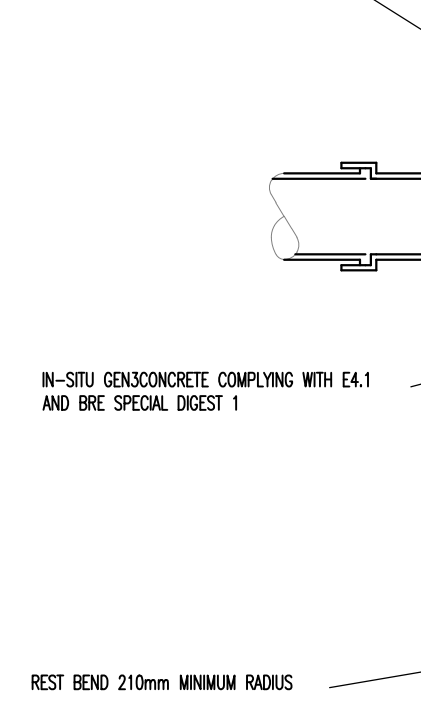
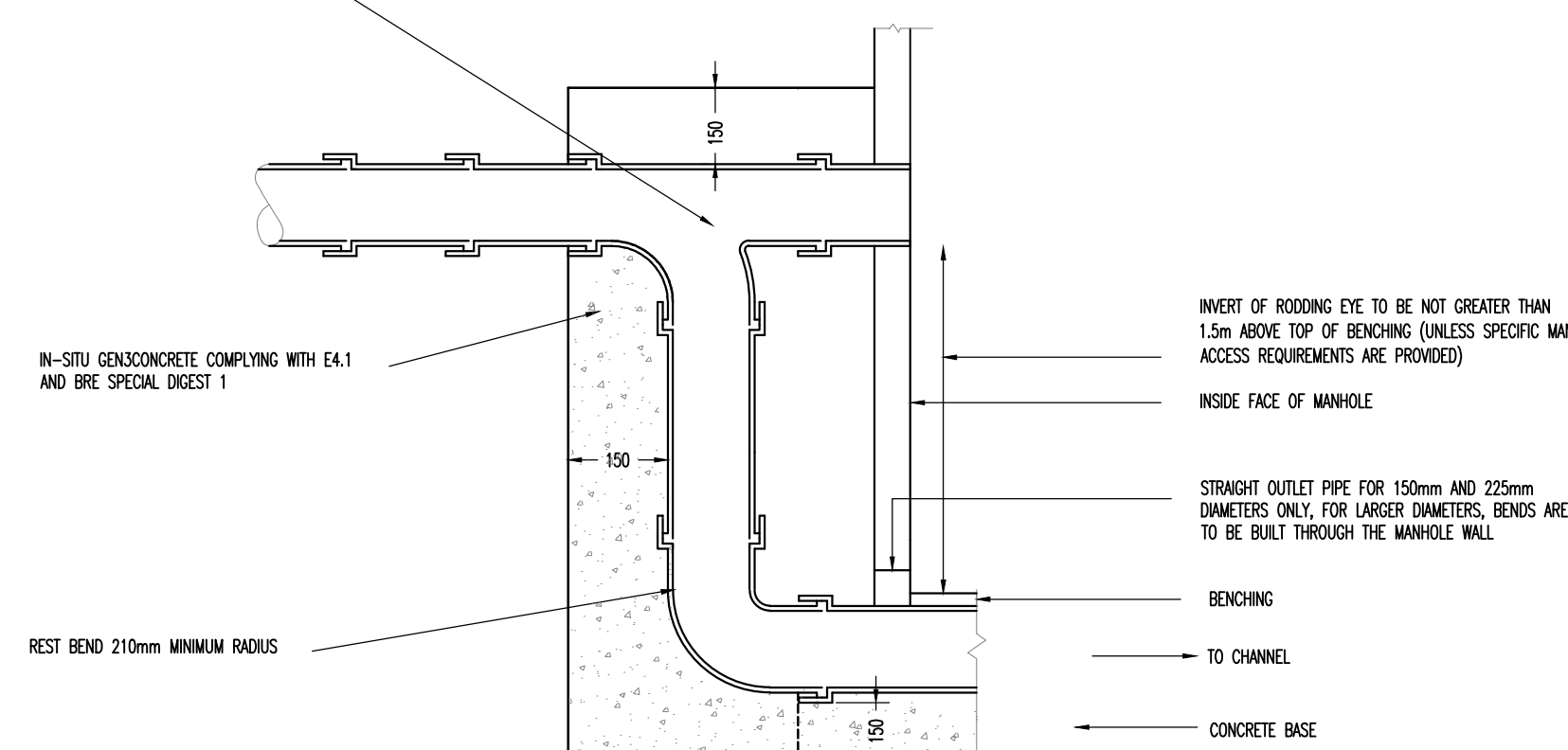


FIGURE B 16

RAMPED BACKDROP DETAIL

TYPICAL VERTICAL BACKDROP DETAIL (RIGID MATERIALS) FOR USE IN MANHOLE TYPES A-D



C1	CONSTRUCTION ISSUE	NJ
16.10.24		
REVISION		DRAWN
DATE		CHECKED

Client:
ANAVO DEVELOPMENTS LIMITED

Project Title:
**HAVANT :
HAVANT CARE HOME
BARTONS ROAD, HAVANT**

Drawing Title:
DRAINAGE CONSTRUCTION DETAILS

Drawn By: RN	Scales: NTS&M1	Rev:
Date: APRIL 2024	Drawing Number:	C1
Checked By: ANR	11063-504	
Date: APRIL 2024		

Drawing Status:
CONSTRUCTION

NJP UK
NJP Consulting Engineers Limited
20 St Andrews Crescent
Cardiff CF10 3DD
Tel: 029 2072 9500
Email: info@njpu.com
Web: www.njpu.com