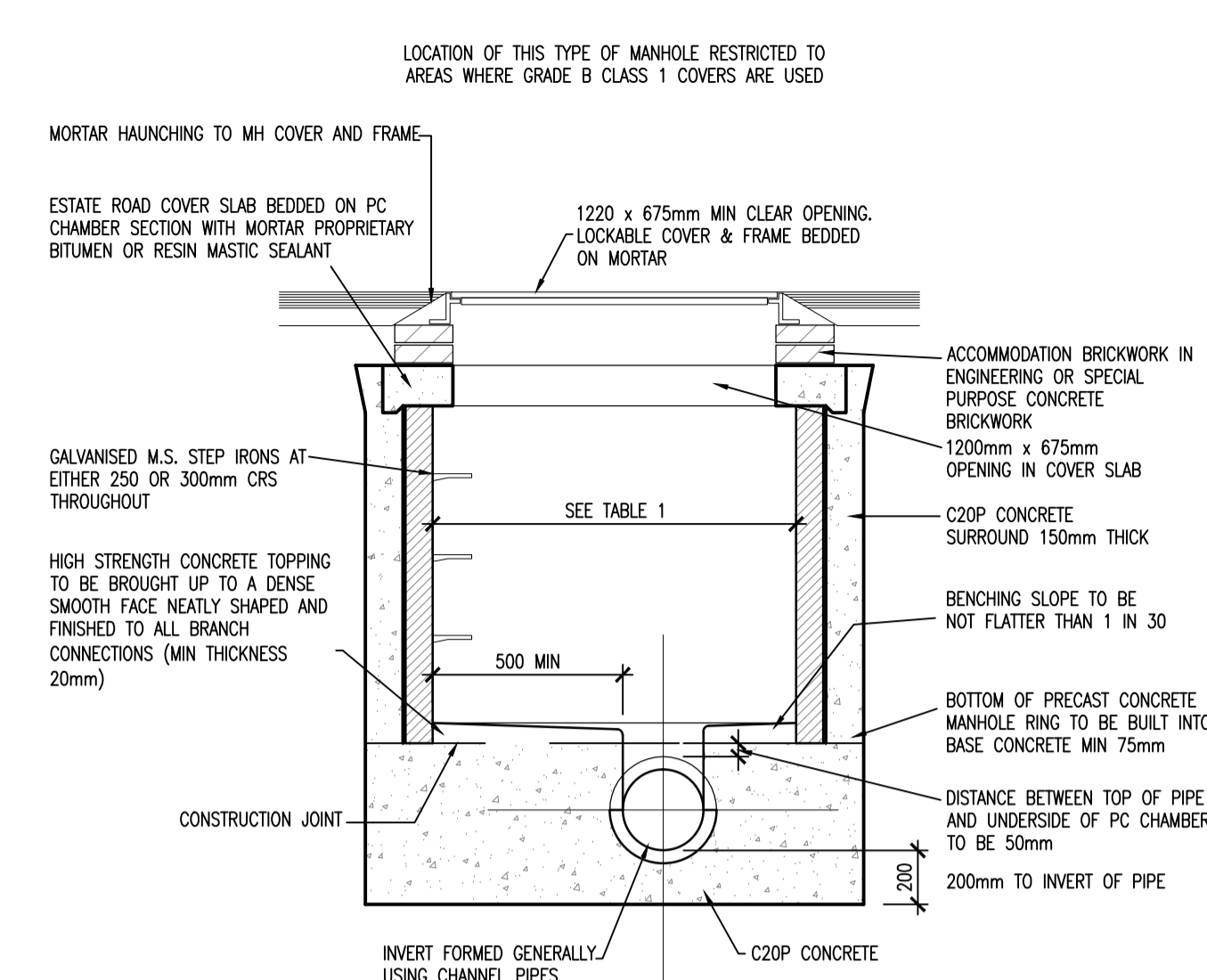
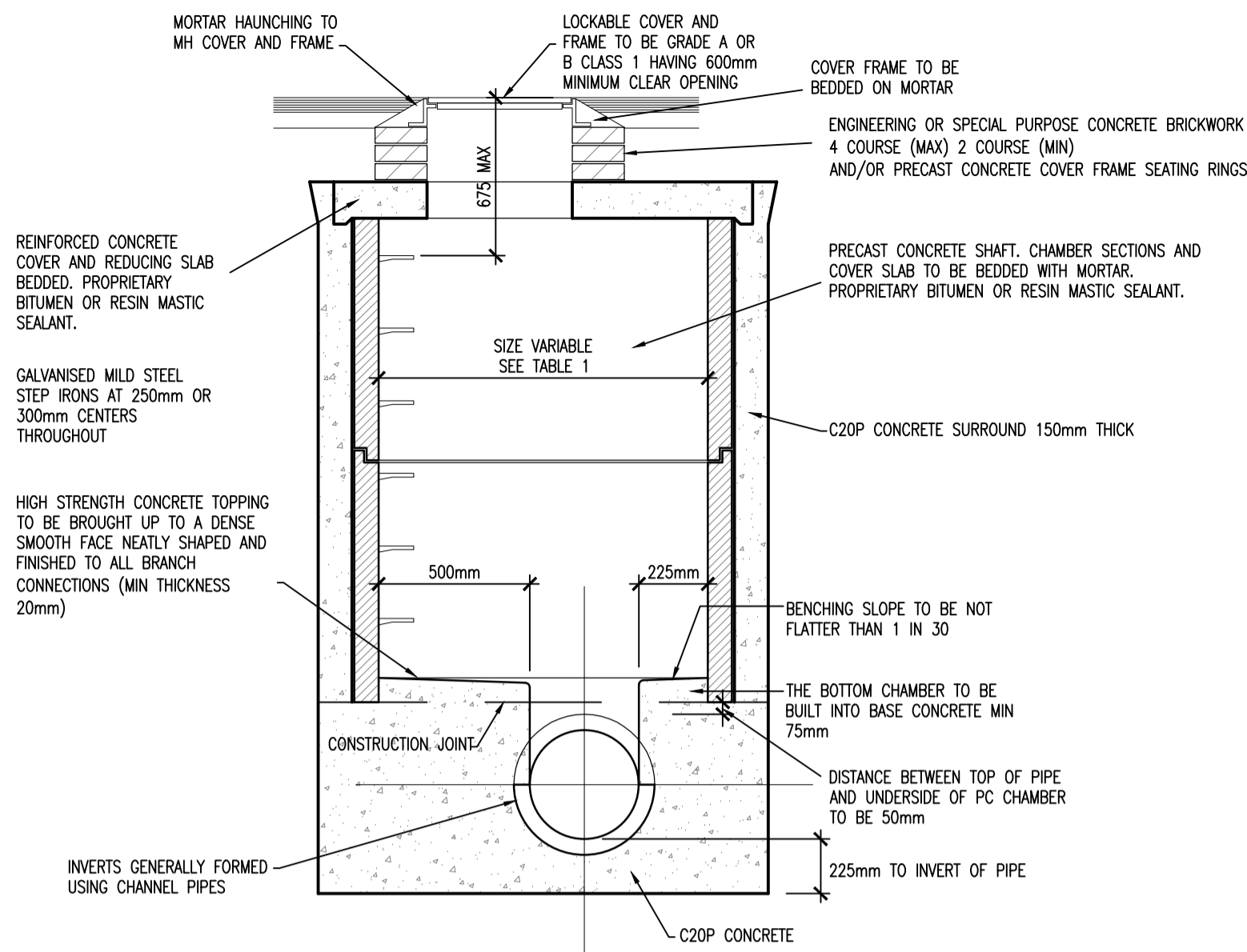
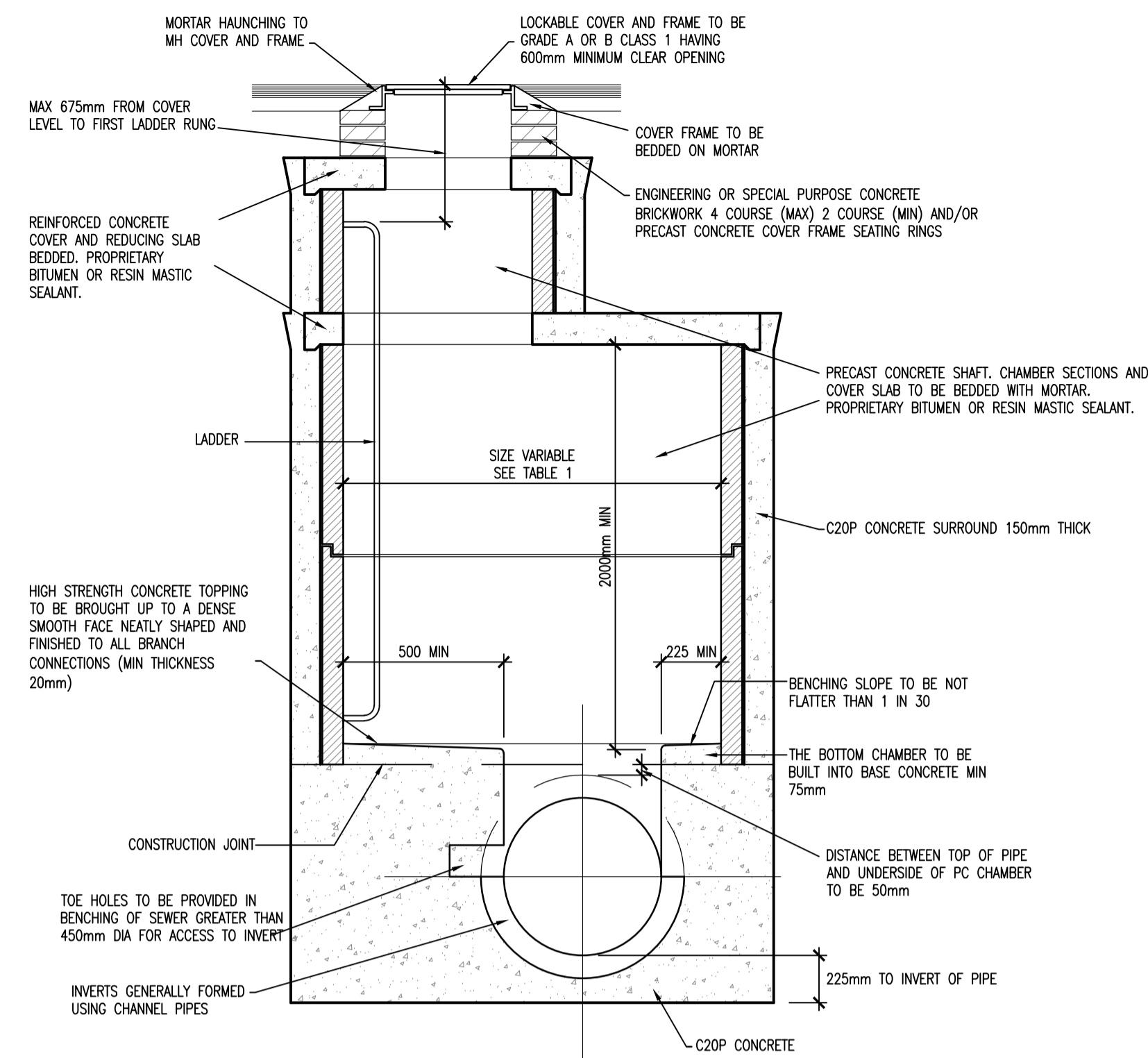


GENERAL NOTES:

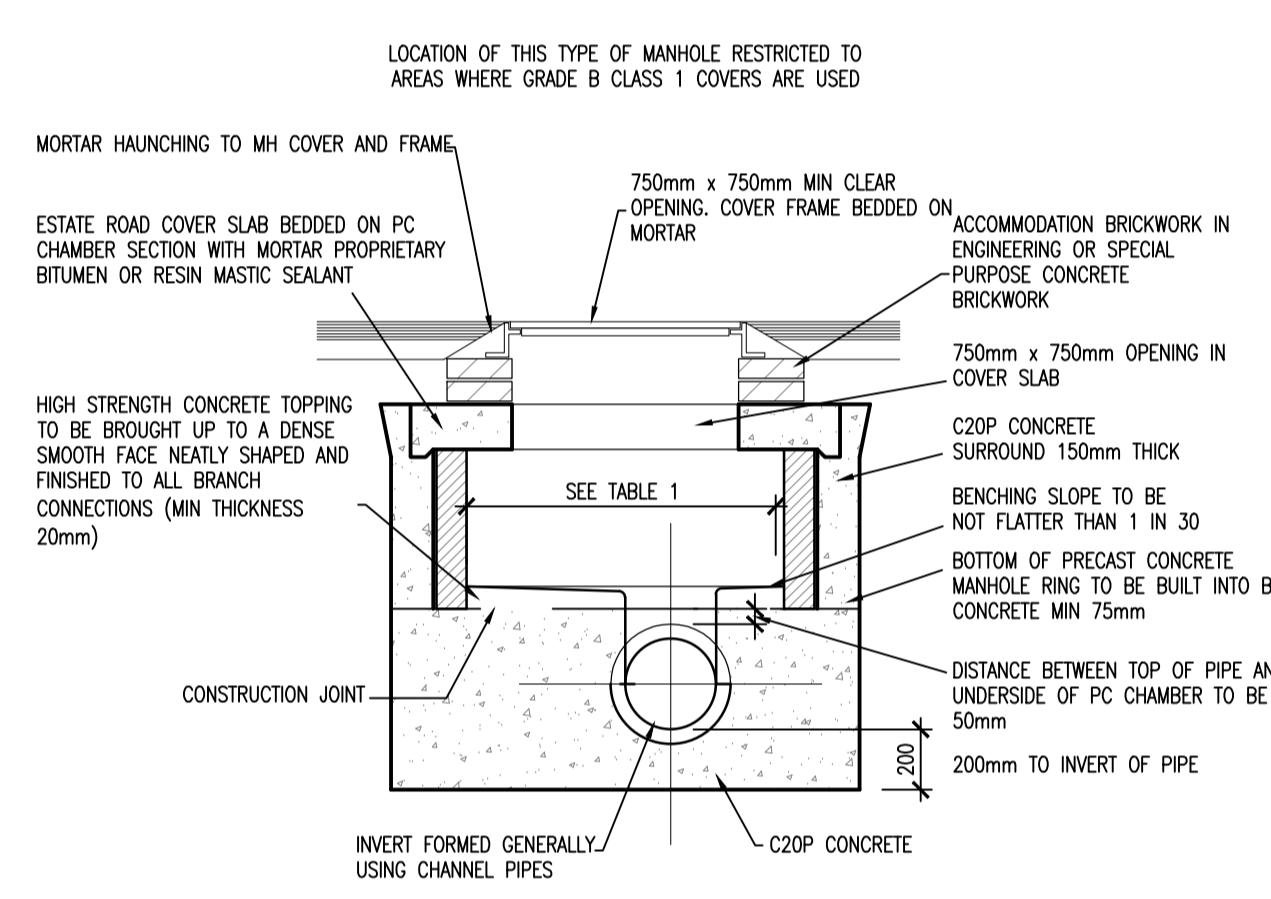
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S & ENGINEER'S DRAWINGS AND SPECIFICATIONS.
- USE FIGURED DIMENSIONS ONLY. DO NOT SCALE
- ALL FFL AND SSL TO BE CONFIRMED BY ARCHITECT
- ALL DPC'S, DPM'S, RADON BARRIERS, INSULATION AND ALL WEATHERING DETAILS TO ARCHITECT'S DRAWINGS & SPECIFICATIONS
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LEVELS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER & ARCHITECT FOR RESOLUTION
- ALL MANHOLE COVERS TO BE LOCKABLE WITH A BOLT & KEY OR EQUIVALENT

MANHOLE COVERS & DRAINAGE GRATINGS, LOAD CLASSIFICATION & PRODUCT MARKINGS

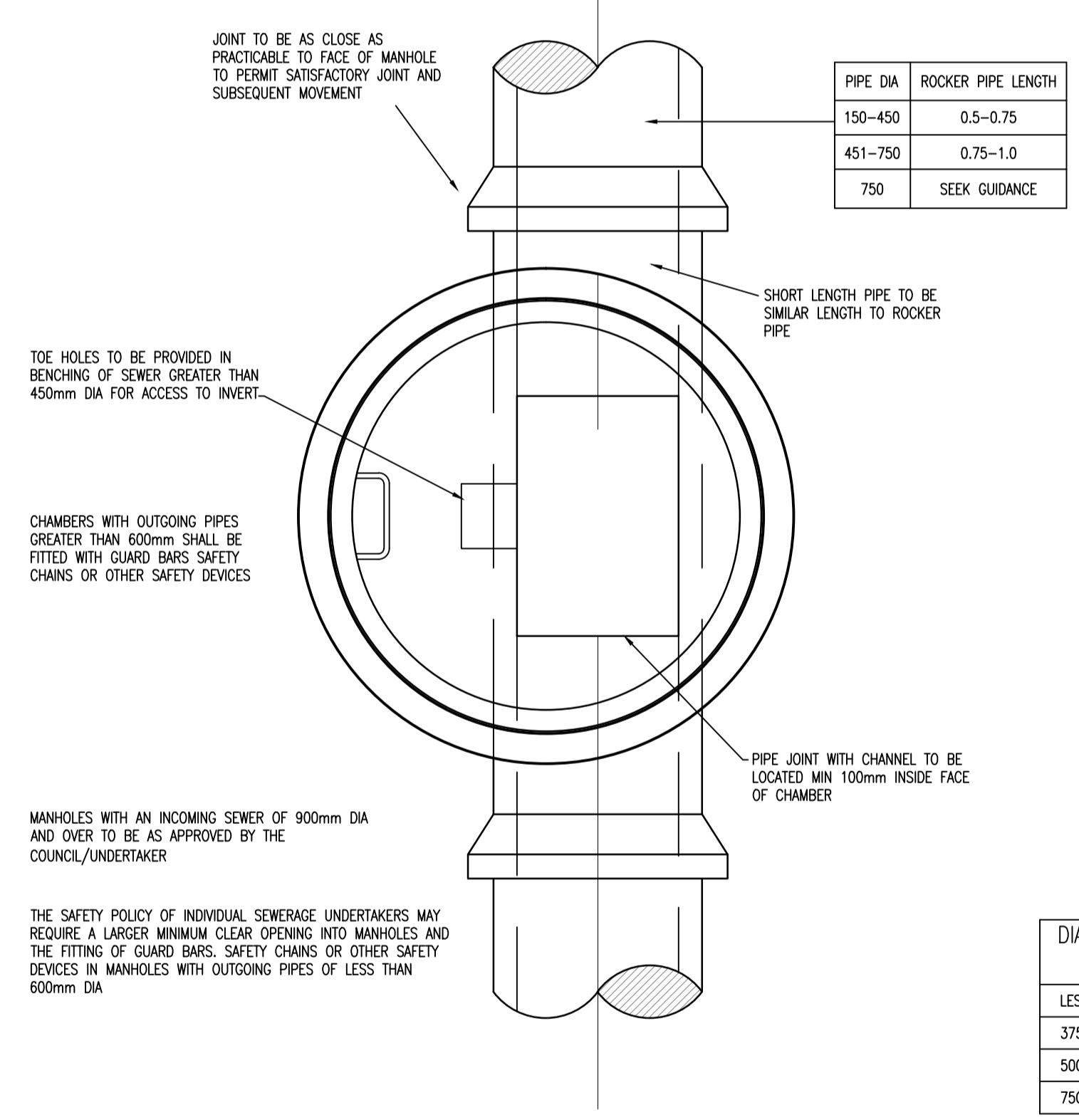
GROUP	MINIMUM CLASS	AREAS WHICH CAN ONLY BE USED BY PEDESTRIANS AND PEDAL CYCLISTS
GROUP 1	MINIMUM CLASS A15	AREAS WHICH CAN ONLY BE USED BY PEDESTRIANS AND PEDAL CYCLISTS
GROUP 2	MINIMUM CLASS B125	FOOTWAYS, PEDESTRIAN AND COMPARABLE AREAS, CAR PARKS OR CAR PARKING DECKS
GROUP 3	MINIMUM CLASS B250	FOR GULLY TOPS INSTALLED IN THE AREA OF KERBSIDE CHANNELS OF ROADS WHICH WHEN MEASURED FROM THE ROAD EDGE, EXTEND A MAXIMUM OF 0.5m INTO THE CARRIAGEWAY AND A MAXIMUM OF 0.2m INTO THE FOOTWAY
GROUP 4	MINIMUM CLASS D400	CARRIAGEWAYS OF ROADS (INCLUDING PEDESTRIAN STREETS), HARD SHOULDERS AND PARKING AREAS, FOR ALL TYPES OF ROAD VEHICLES
GROUP 5	MINIMUM CLASS E600	AREAS IMPOSING HIGH WHEEL LOADS E.G. DOCKS, AIRCRAFT PAVEMENTS
GROUP 6	MINIMUM CLASS F900	AREAS IMPOSING PARTICULARLY HIGH WHEEL LOADS, E.G. AIRCRAFT PAVEMENTS



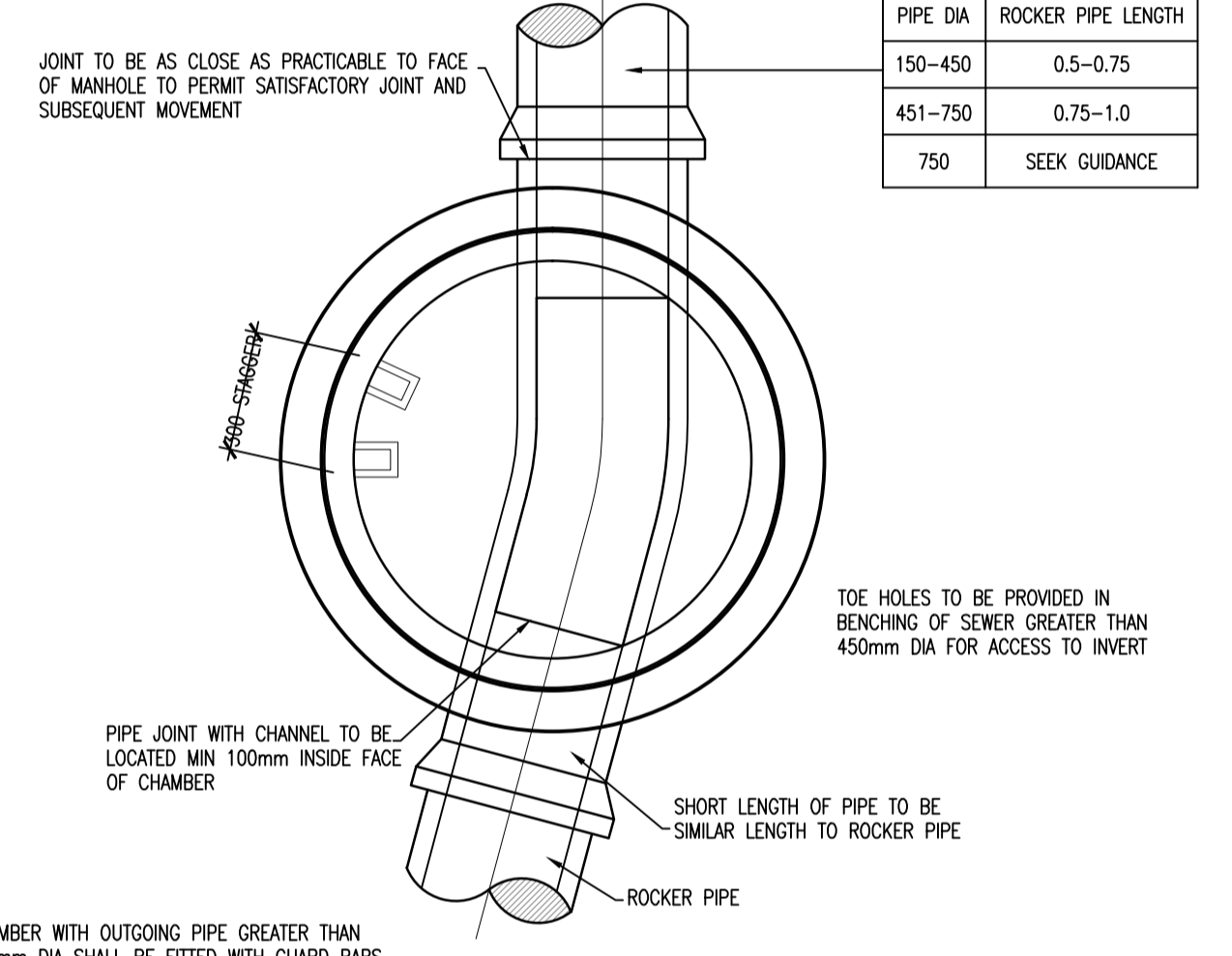
TYPICAL MANHOLE DETAIL - TYPE E
DEPTH TO SOFFIT 1.0 TO 1.35m
SCALE 1:25



TYPICAL MANHOLE DETAIL - TYPE F
DEPTH TO SOFFIT LESS THAN 1.0m
SCALE 1:25



TYPICAL MANHOLE DETAIL - TYPE A
DEPTH TO SOFFIT 3 TO 6m
SCALE 1:25



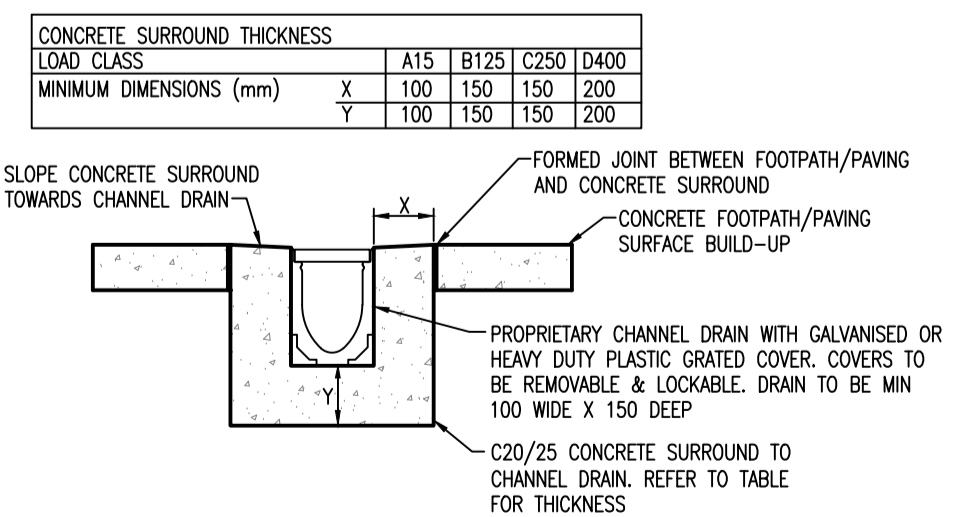
TYPICAL MANHOLE DETAIL - TYPE B
DEPTH TO SOFFIT 1.35 TO 3m
SCALE 1:25

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200 (1050 WHERE DEPTH TO SOFFIT IS 1.35m - 1.5m)
375 - 450	1350
500 - 700	1500
750 - 900	1800

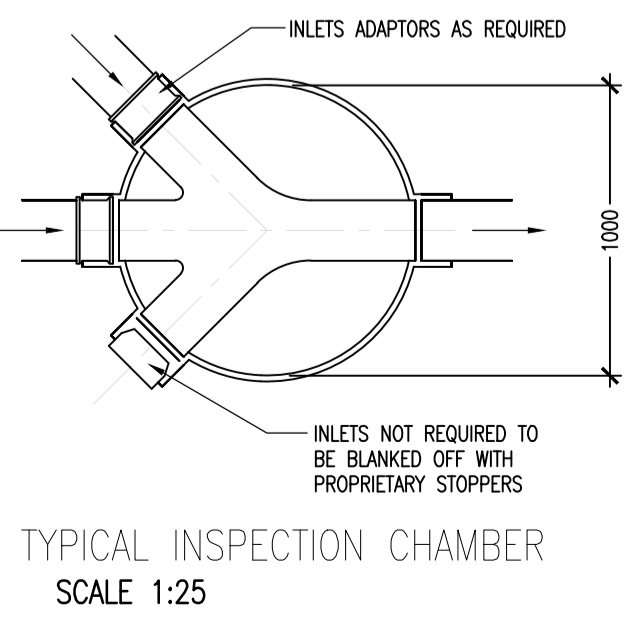
TABLE 1

PIPE SIZE	100% PASSING
UP TO 225mm	10mm SIEVE
225 TO 450mm	20mm SIEVE
ABOVE 450mm	25mm SIEVE

TYPE 2 GRANULAR MATERIAL:

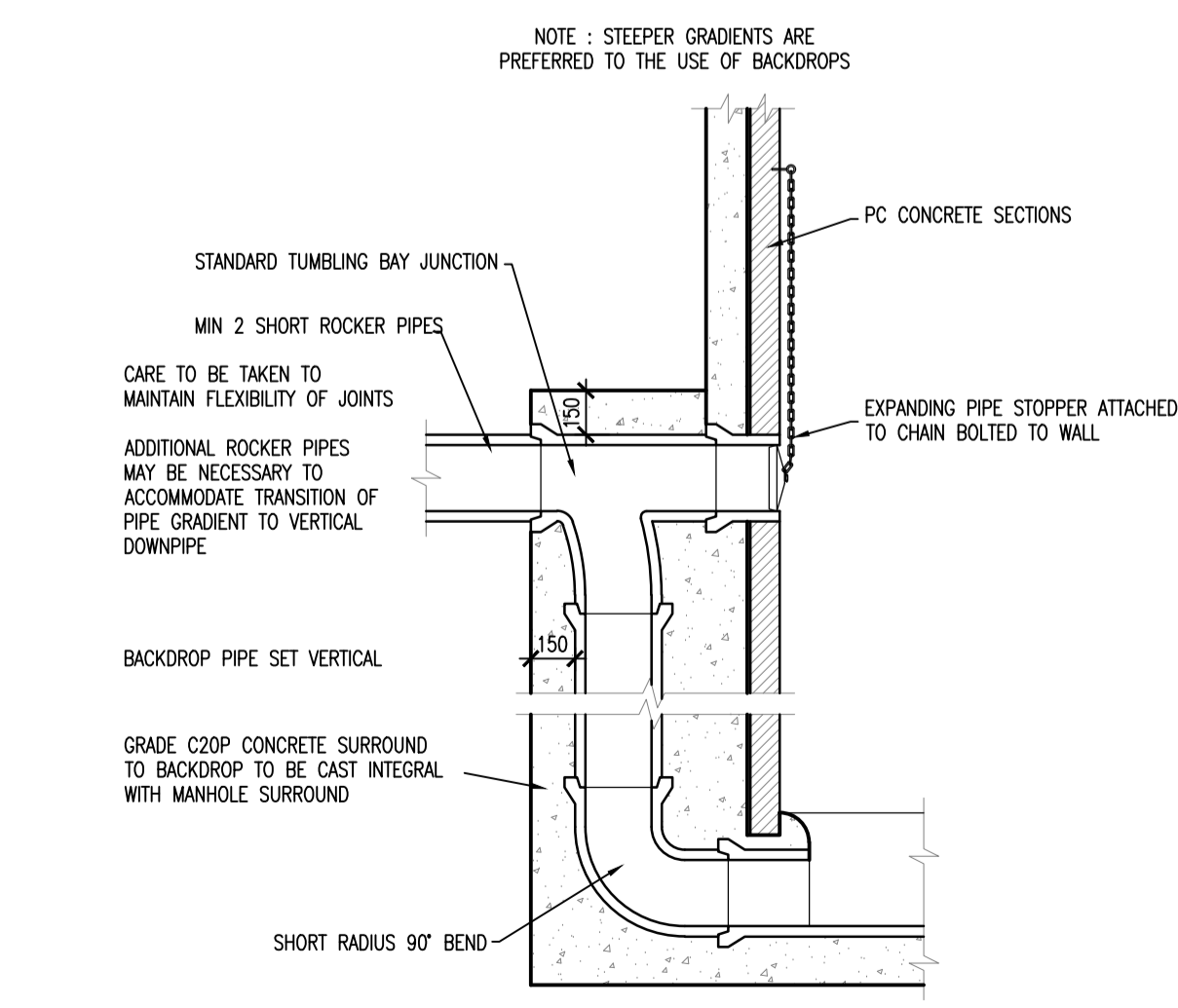


TYPICAL CHANNEL DRAIN
SCALE 1:25



TYPICAL INSPECTION CHAMBER
SCALE 1:25

- ALL SEWERS SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING
- TYPE 1 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm SIEVE AND BE RETAINED ON 5mm SIEVE.
- TYPE 2 GRANULAR MATERIAL: BROKEN STONE OR GRAVEL TO PASS 10mm - 25mm SIEVE, ACCORDING TO PIPE SIZE, (SEE TABLE) AND BE RETAINED ON 5mm SIEVE.
- TYPE 3 SELECTED FILL: UNIFORM READILY COMPACTED MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDING DEBRIS, AND FROZEN SOIL AND EXCLUDING CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 37.5mm SIEVE.
- RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE OR CLAY.



TYPICAL VERTICAL BACKDROP DETAIL
SCALE 1:25

PLANNING ISSUE

S2.P01	ISSUED FOR PLANNING	11.12.2018	KD	AL
Rev.	Note	Date	Drawn	Check
<p>DONNACHADH O'BRIEN & ASSOCIATES CONSULTING ENGINEERS</p>		<p>UNIT 5C ELM HOUSE MILLENNIUM PARK NAAS CO. KILDARE</p>		<p>PHONE +353 45 984 042</p> <p>WWW.DOBRIEN-ENGINEERS.IE</p>
Client: O'FLYNN CONSTRUCTION CO. UNLIMITED COMPANY				
Project: OLDTOWN ROAD, CELBRIDGE				
Drawing Title: PROPOSED TYPICAL MANHOLE DETAILS				
Drawn By: KD	Checked By: AL	Approved By: DOB	Date: NOV'18	Scale: 1:25
Project Number: DOBA1704	Drawing Number: OLDCEL-DOB- 00-SI-DR-C-0100	Status Code: S2	Rev Number: P01	