

- NOTES:
- ALL REINFORCED CONCRETE ON THIS DRAWING SHALL BE UNO.: 38N20 COVER = 50mm MIN.
  - SURFACE FINISHES FOR CONCRETE:
    - CLASS F1 FOR ALL CONCRETE 100mm OR MORE BELOW GRADE LEVEL.
    - CLASS F3 FOR ALL EXPOSED CONCRETE ABOVE 100mm BELOW GRADE LEVEL.
  - ALL EXPOSED CORNERS ON CONCRETE SHALL BE CHAMFERED WITH 25mm x 25mm CHAMFERS.
  - ALL STRUCTURAL CONCRETE (HEADWALLS, RC MANHOLES, PETROL INTERCEPTOR SLABS) TO RECEIVE MC DUR 1680 (OR SIMILAR APPROVED TAR MODIFIED EPOXY RESIN) TO ALL BURIED SURFACES, TO FINISH 100mm BELOW GROUND LEVEL.
  - 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, ASBESTOS CEMENT OR CLAY.

TYPE 2 GRANULAR MATERIAL:

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

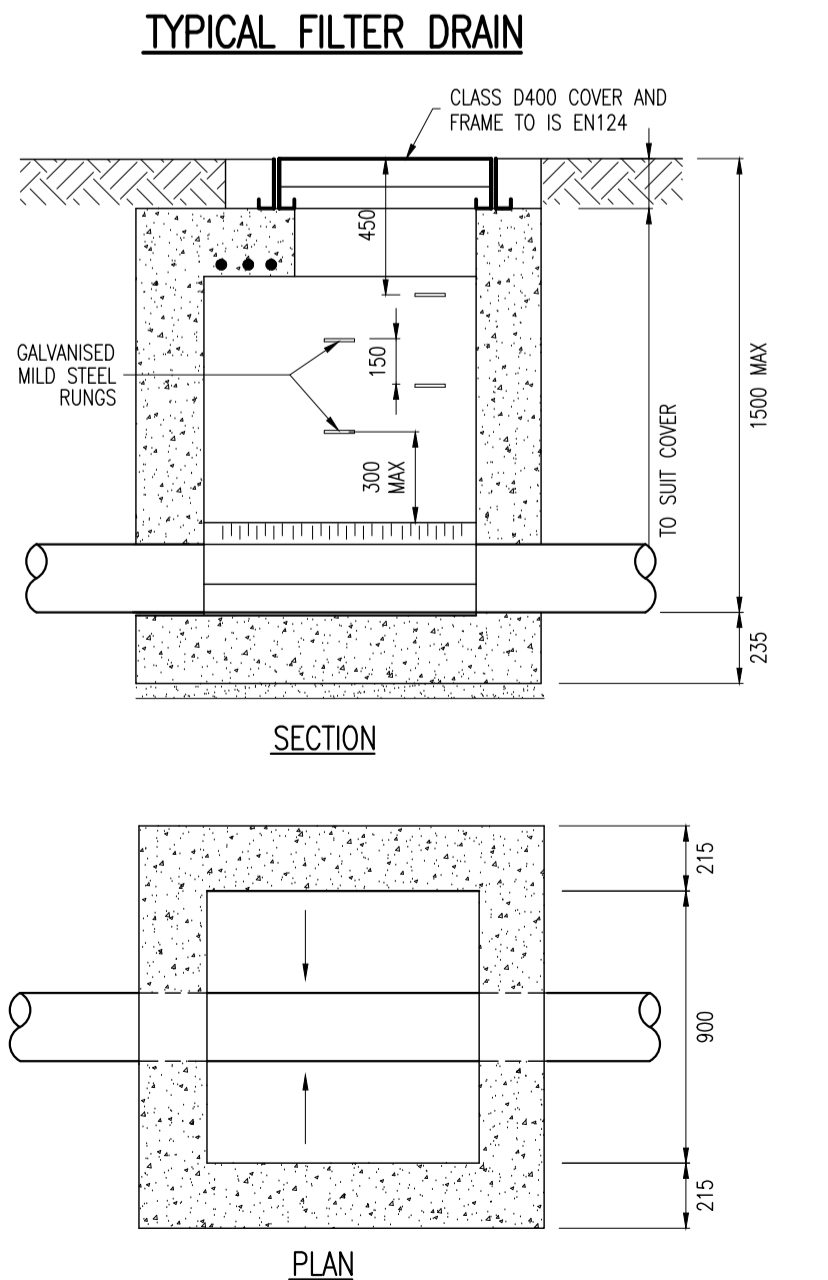
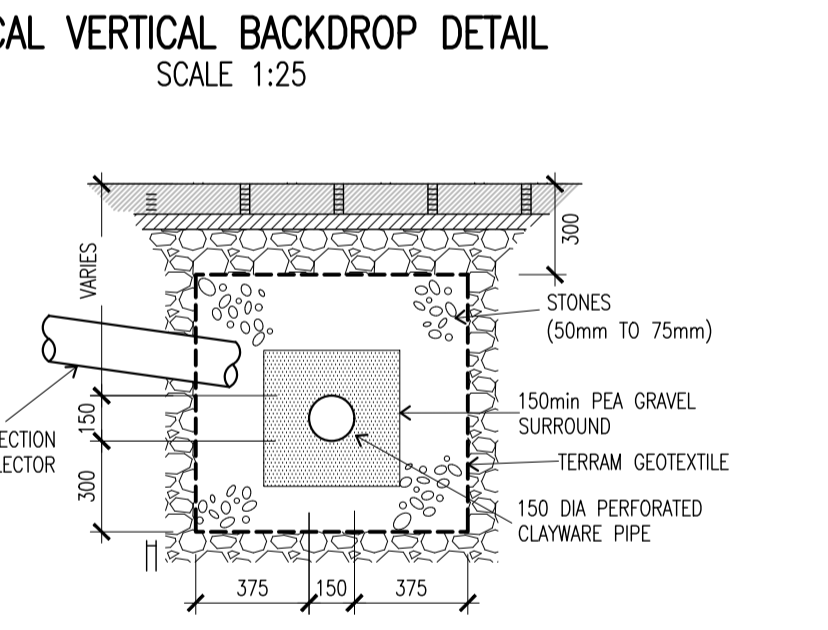
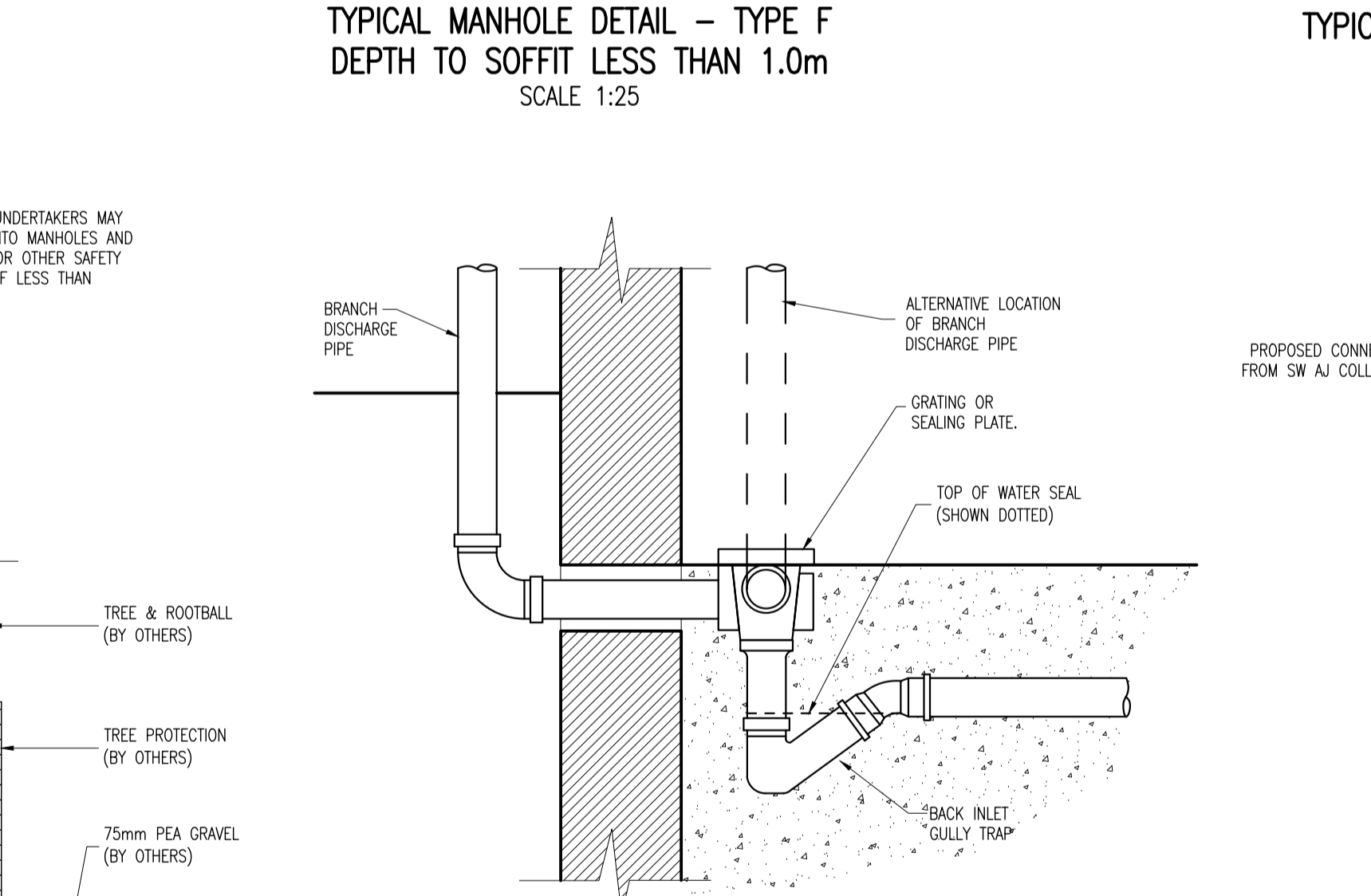
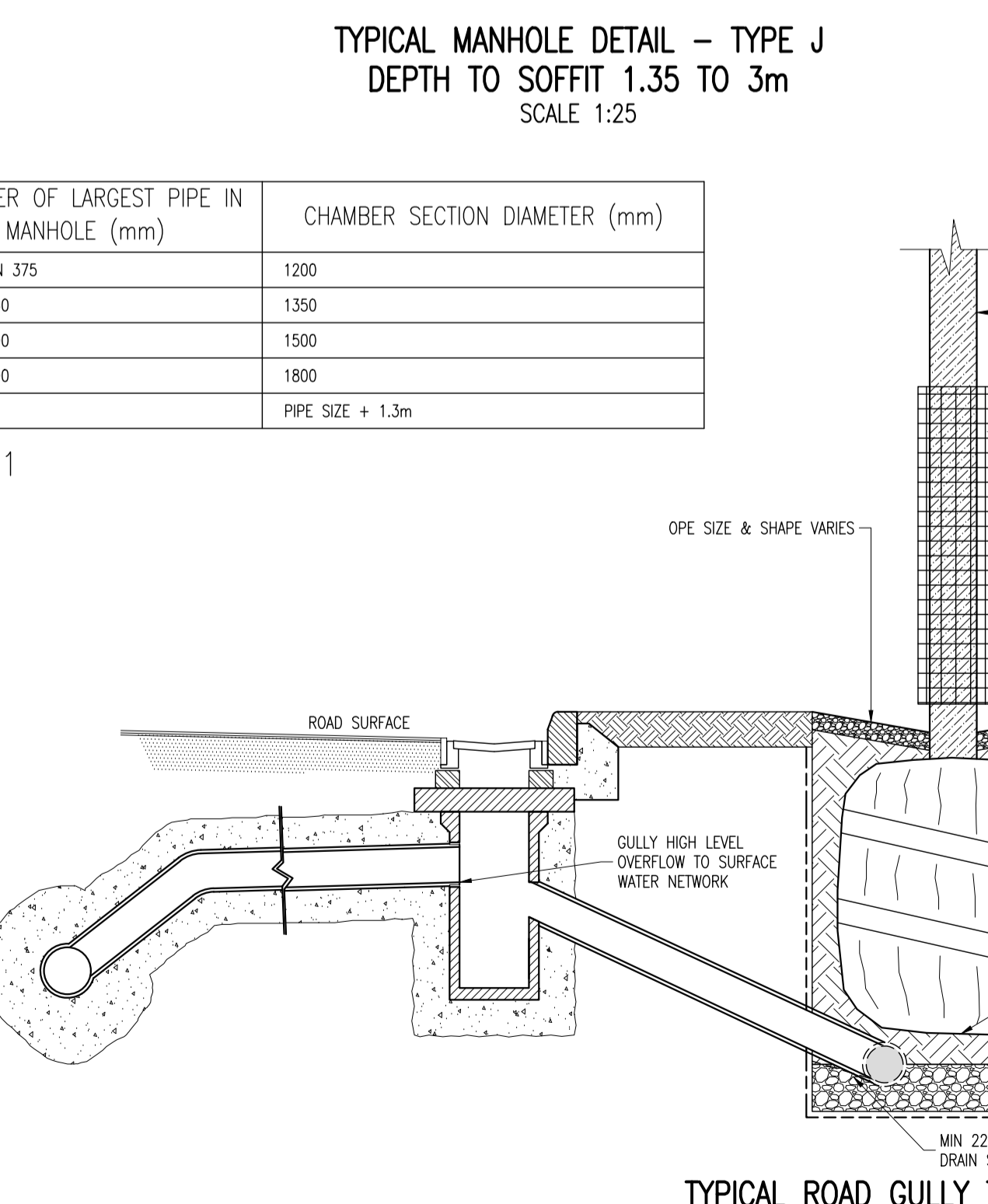
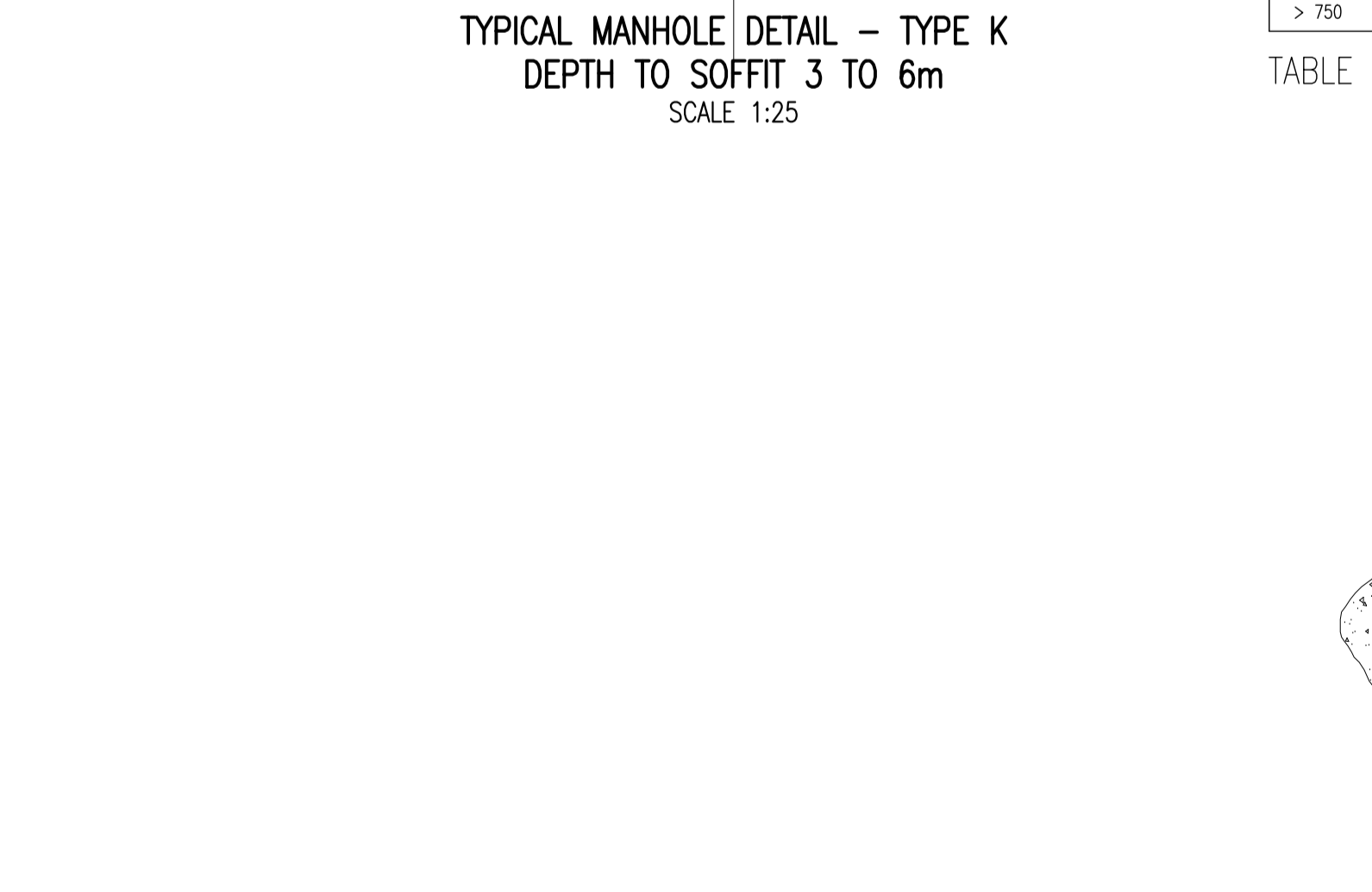
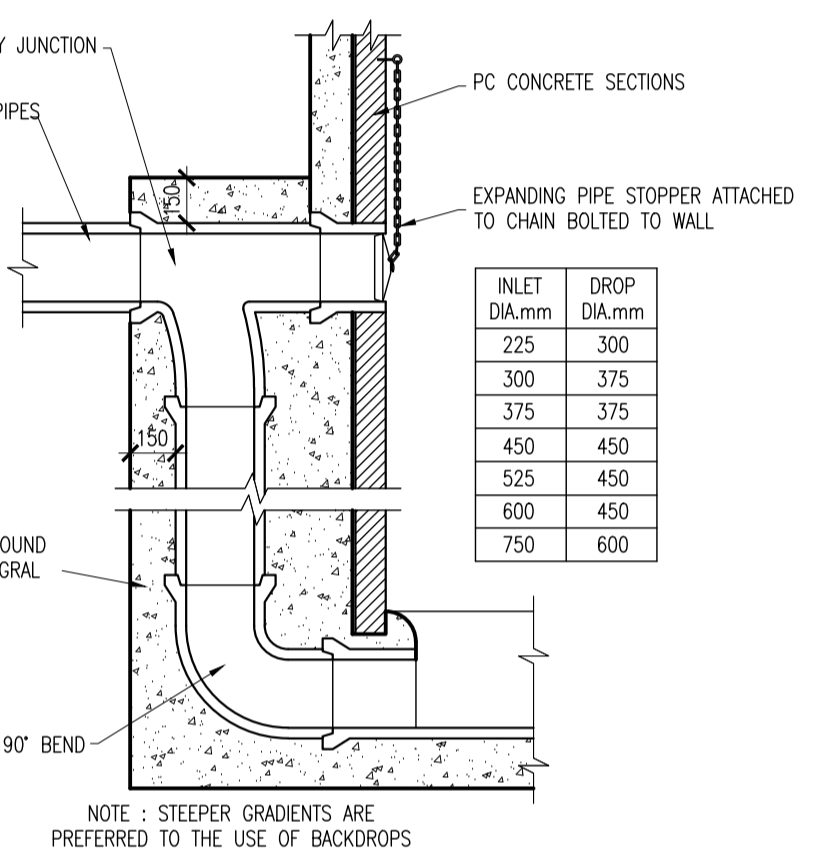
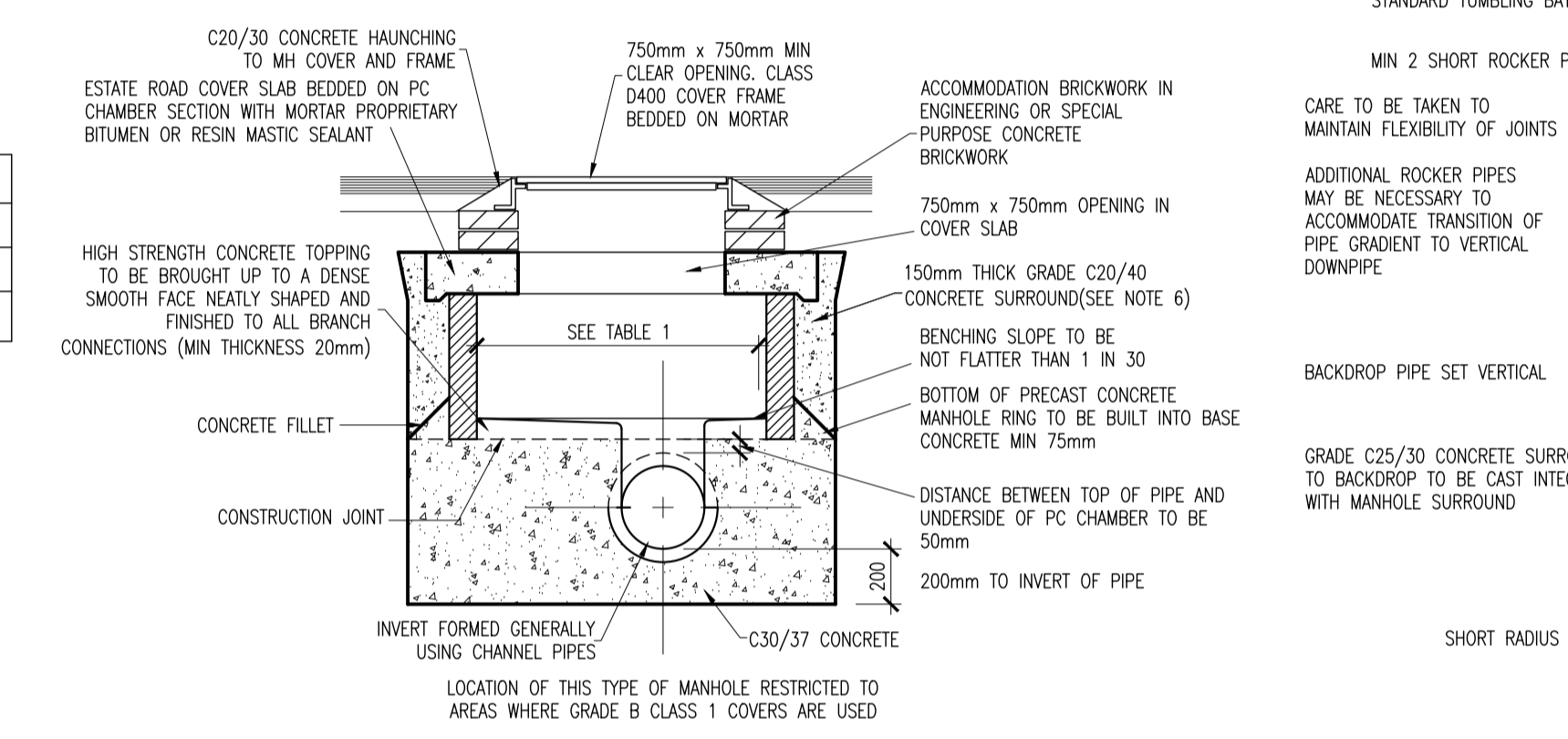
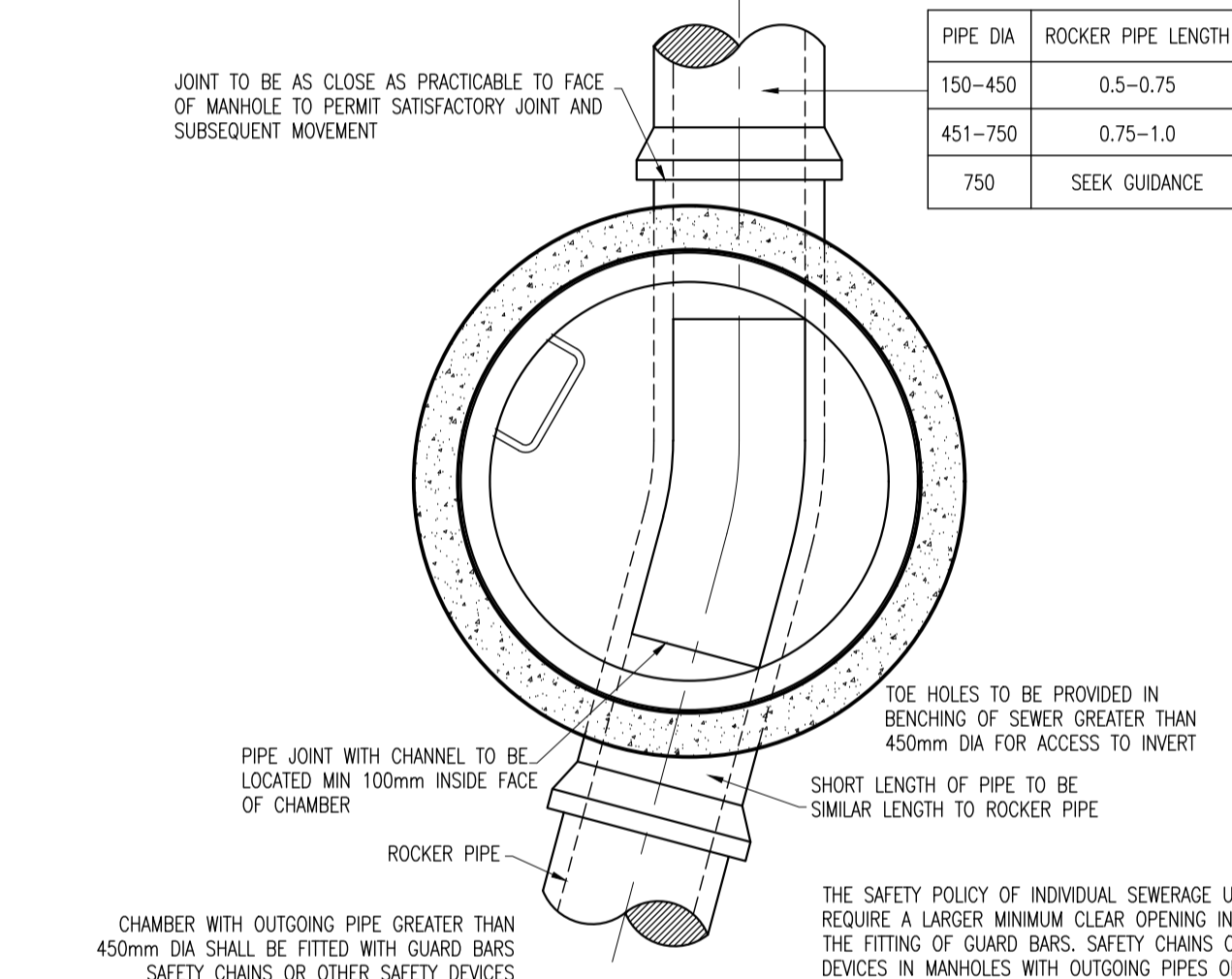
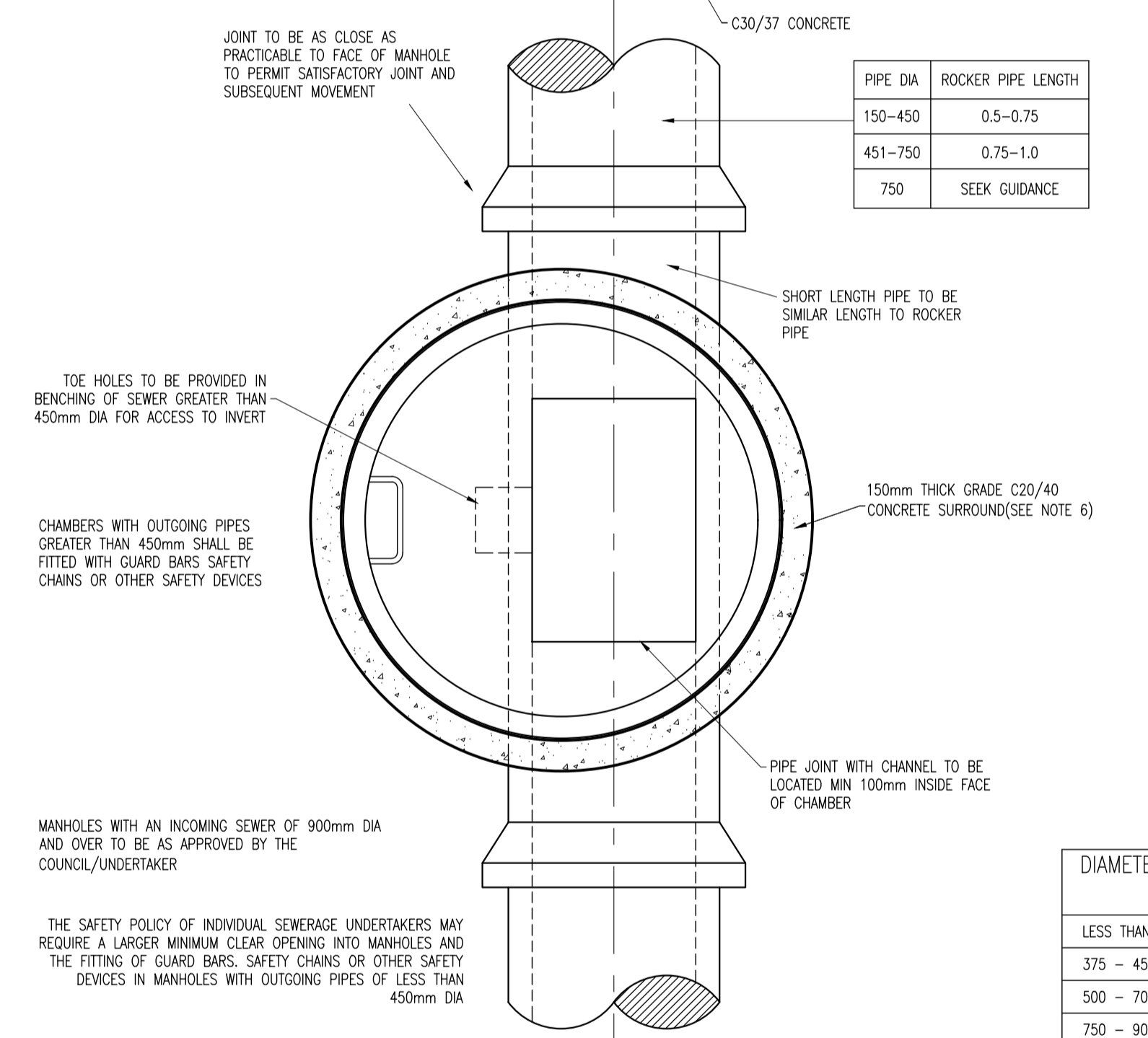
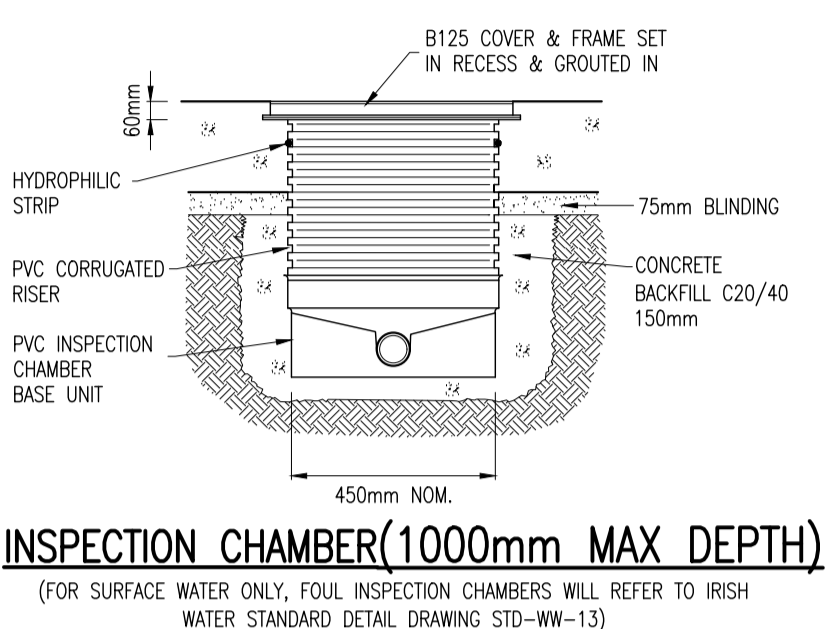
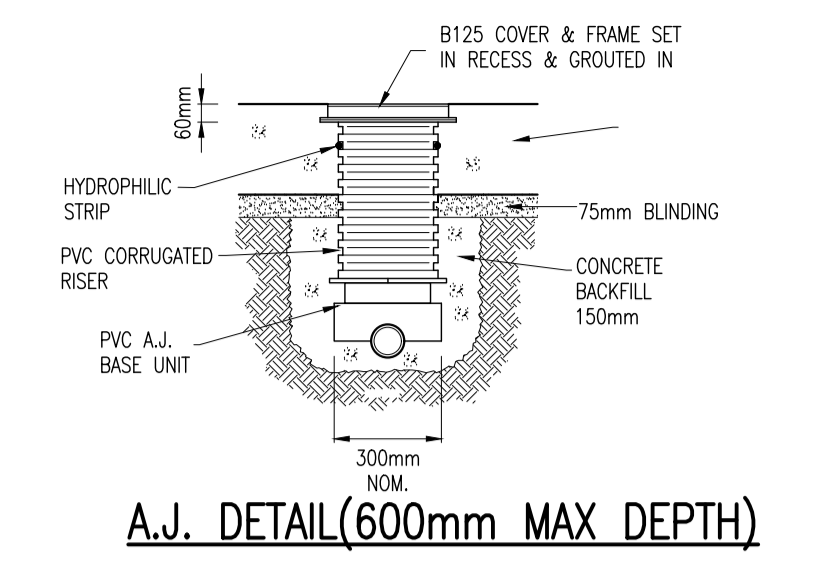
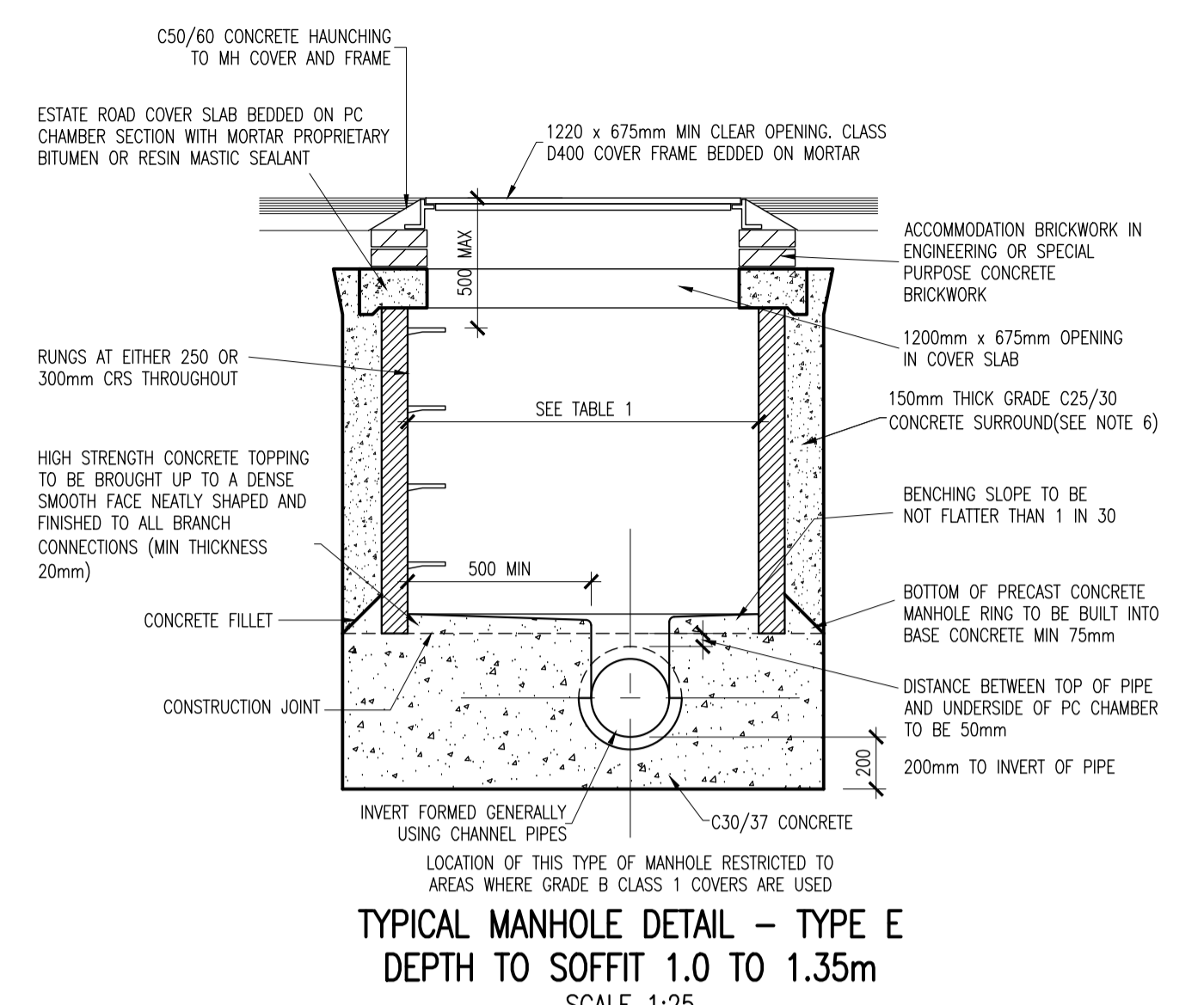
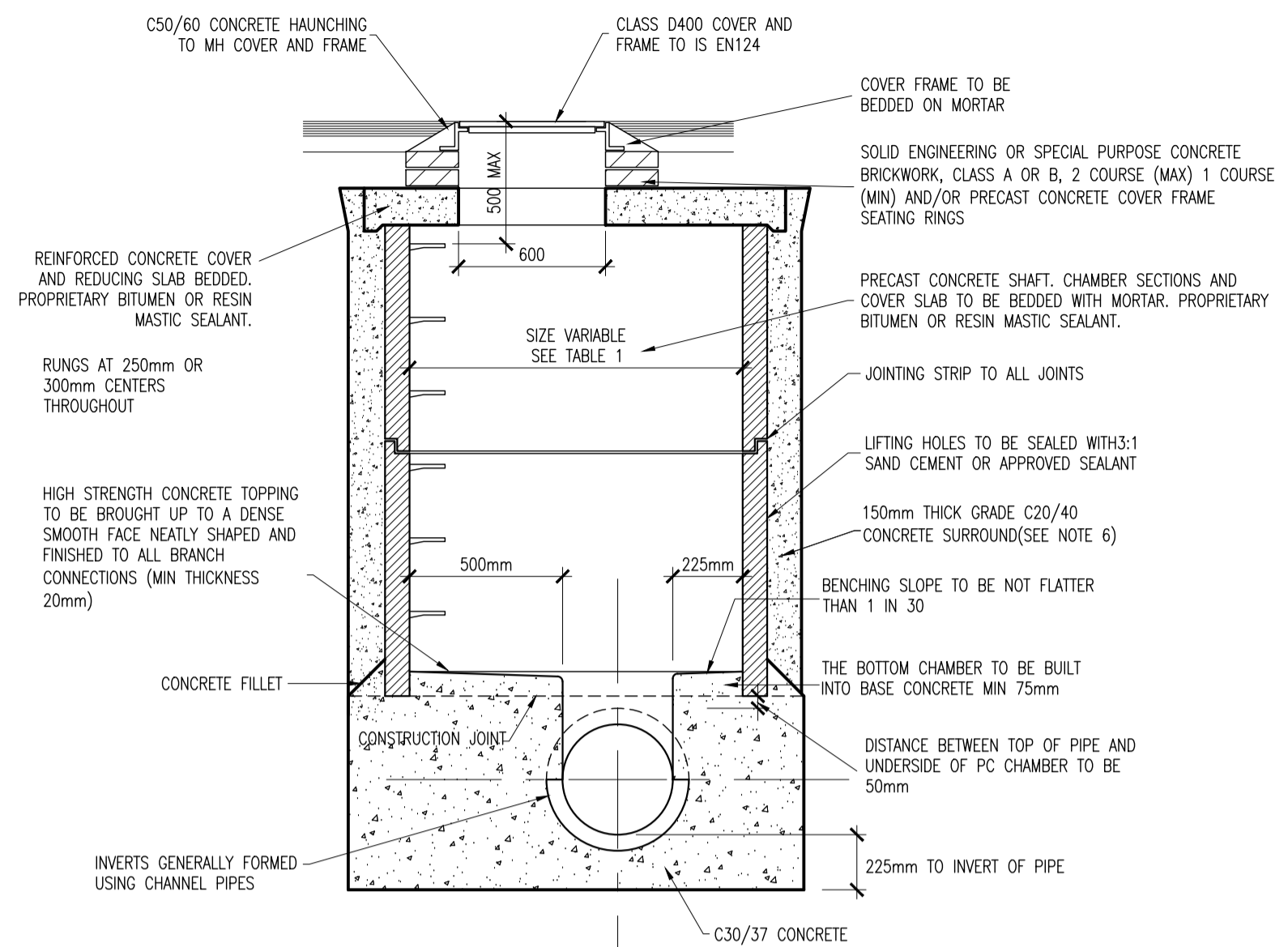
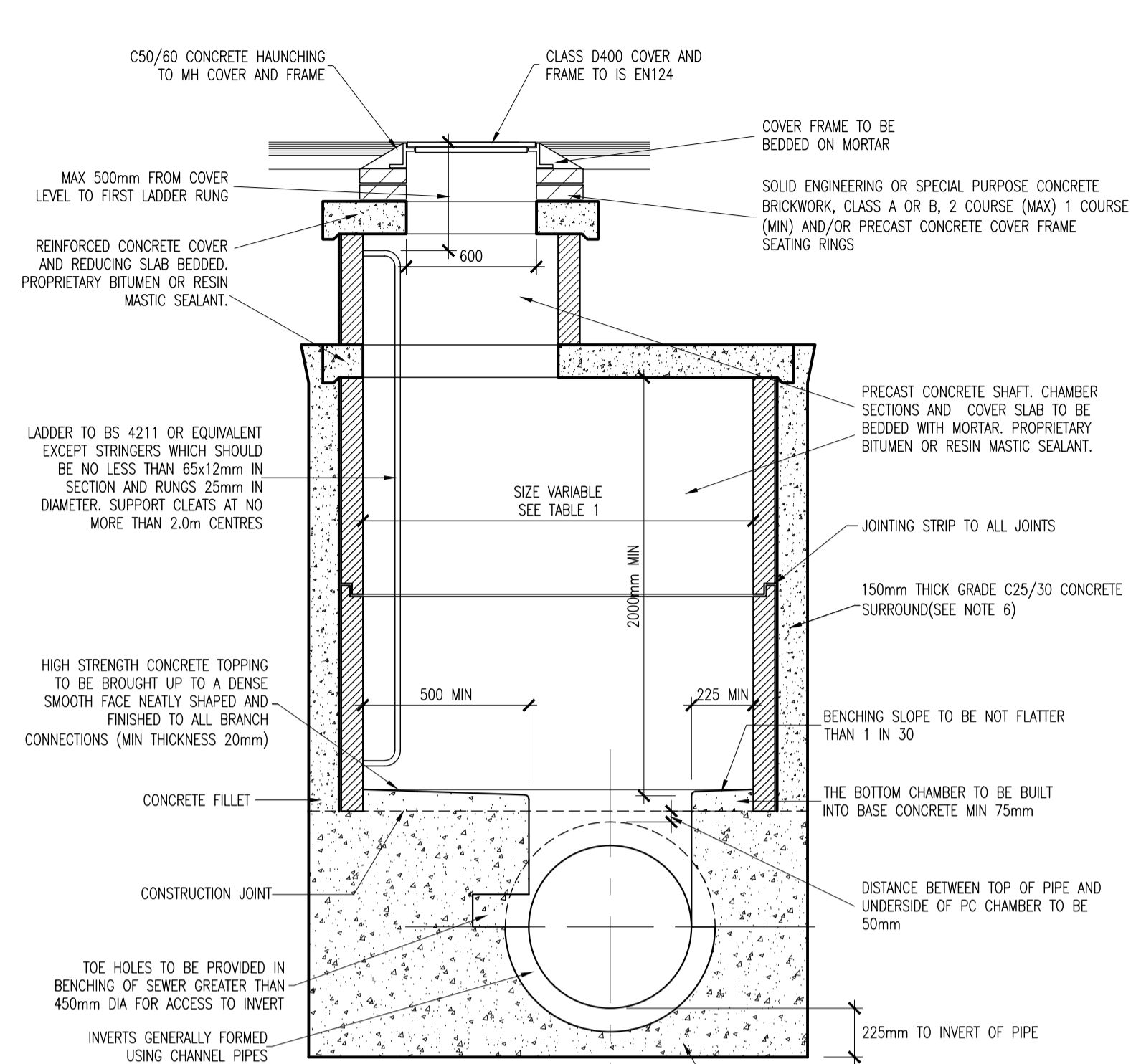


TABLE 1

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200
375 - 450	1350
500 - 700	1500
750 - 900	1800
> 750	PIPE SIZE + 1.3m

TABLE 2

PIPE DIA	ROCKER PIPE LENGTH
150-450	0.5-0.75
451-750	0.75-1.0
750	SEEK GUIDANCE

TABLE 3

PIPE DIA	ROCKER PIPE LENGTH
150-450	0.5-0.75
451-750	0.75-1.0
750	SEEK GUIDANCE

rev	date	description	RMC	EDA
P01	25-08-21	PLANNING		

client approval: A - Approved, B - Approved with comments, C - Do not use

suitability: S2 - INFORMATION, PLANNING

DBFL Consulting Engineers  
Civil, Structural & Transportation Engineering  
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SANDFORD ROAD, MILLTOWN

DRAINAGE TYPICAL DETAILS SHEET 1

SANDFORD LIVING LIMITED

designed by: EDA, author: RMC, scale: AS A5HOWN, sheet size: A1

drawing no.: 190226-DBFL-CS-SP-DR-C-5001, P01