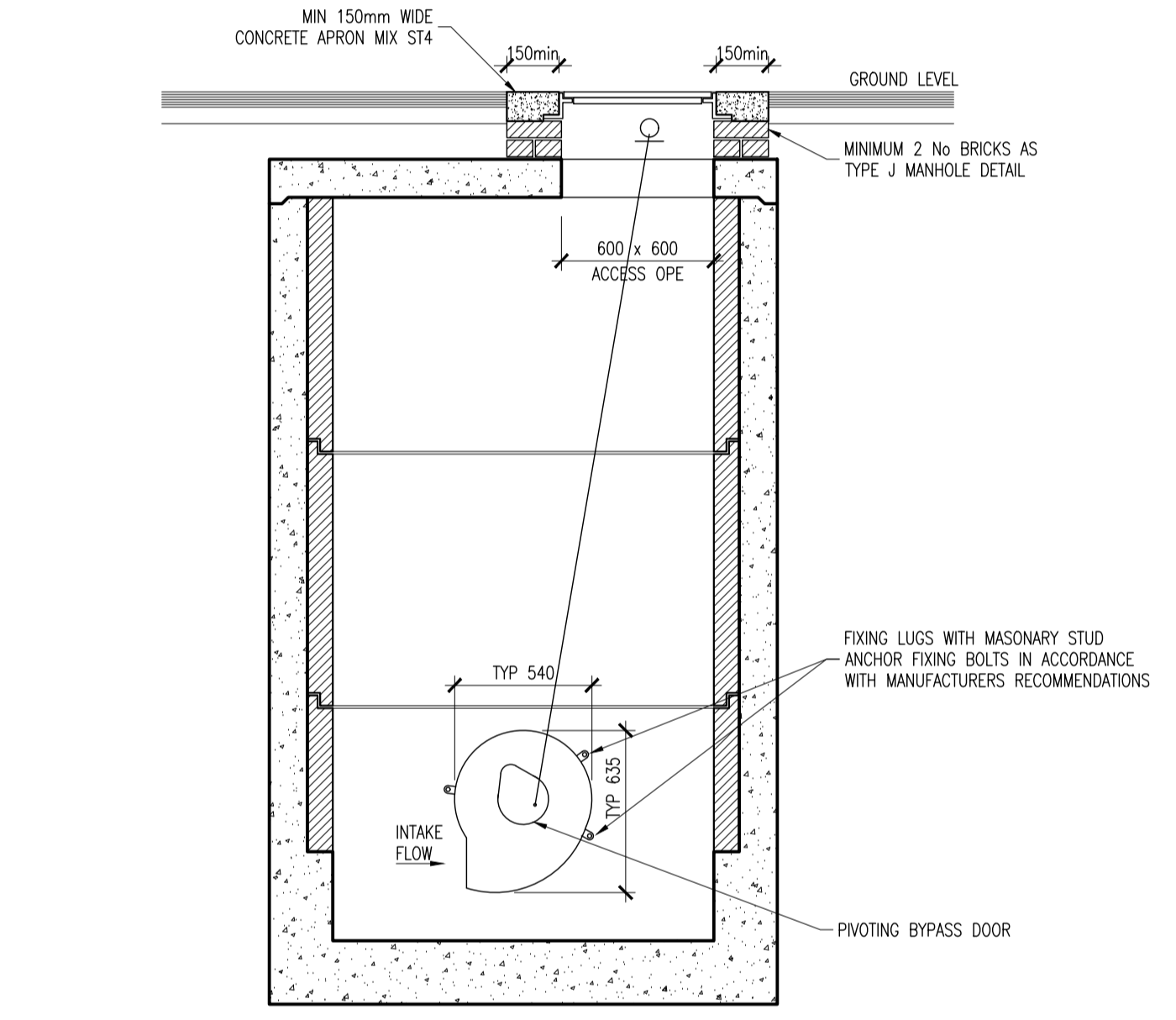
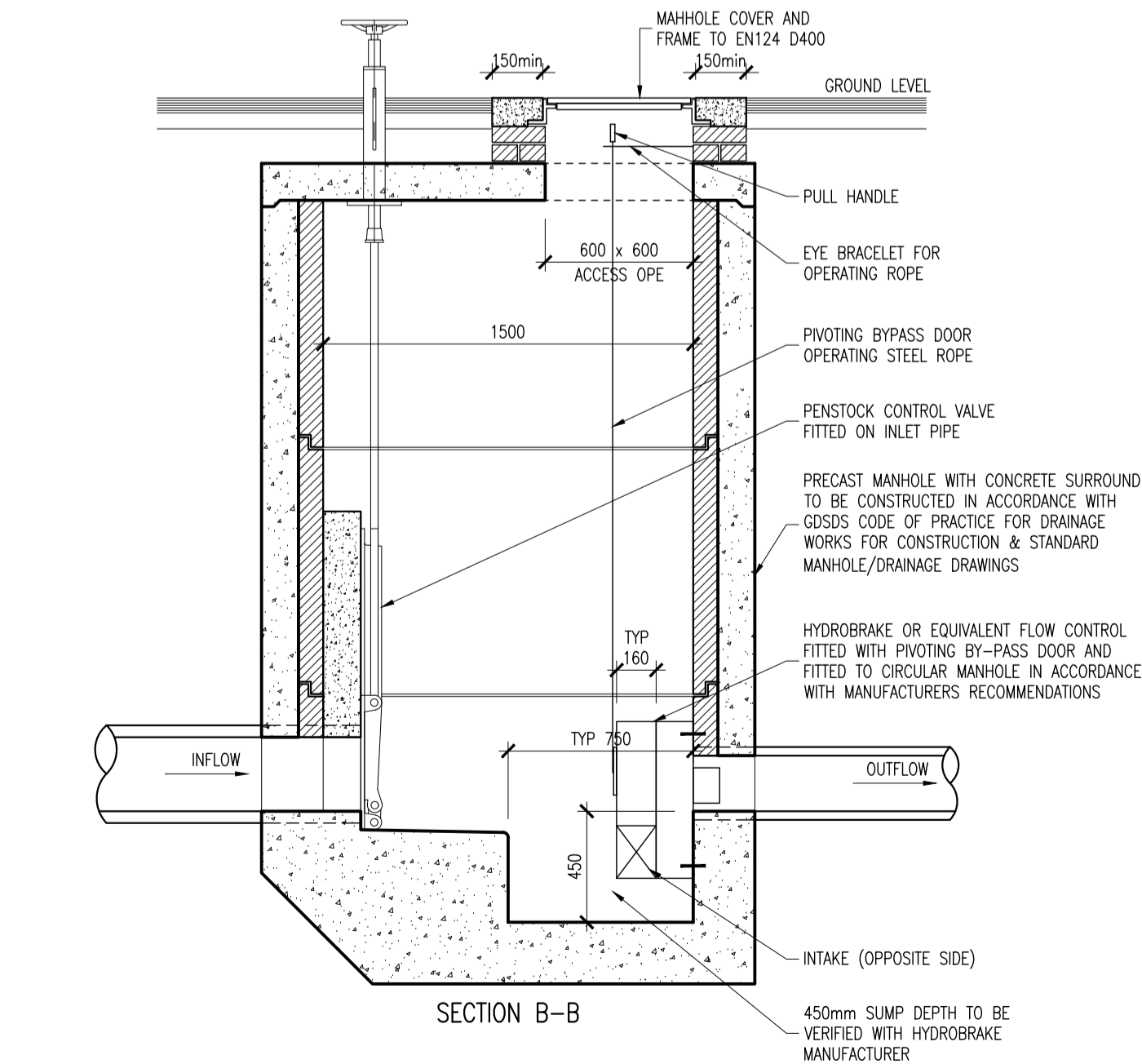


PLAN



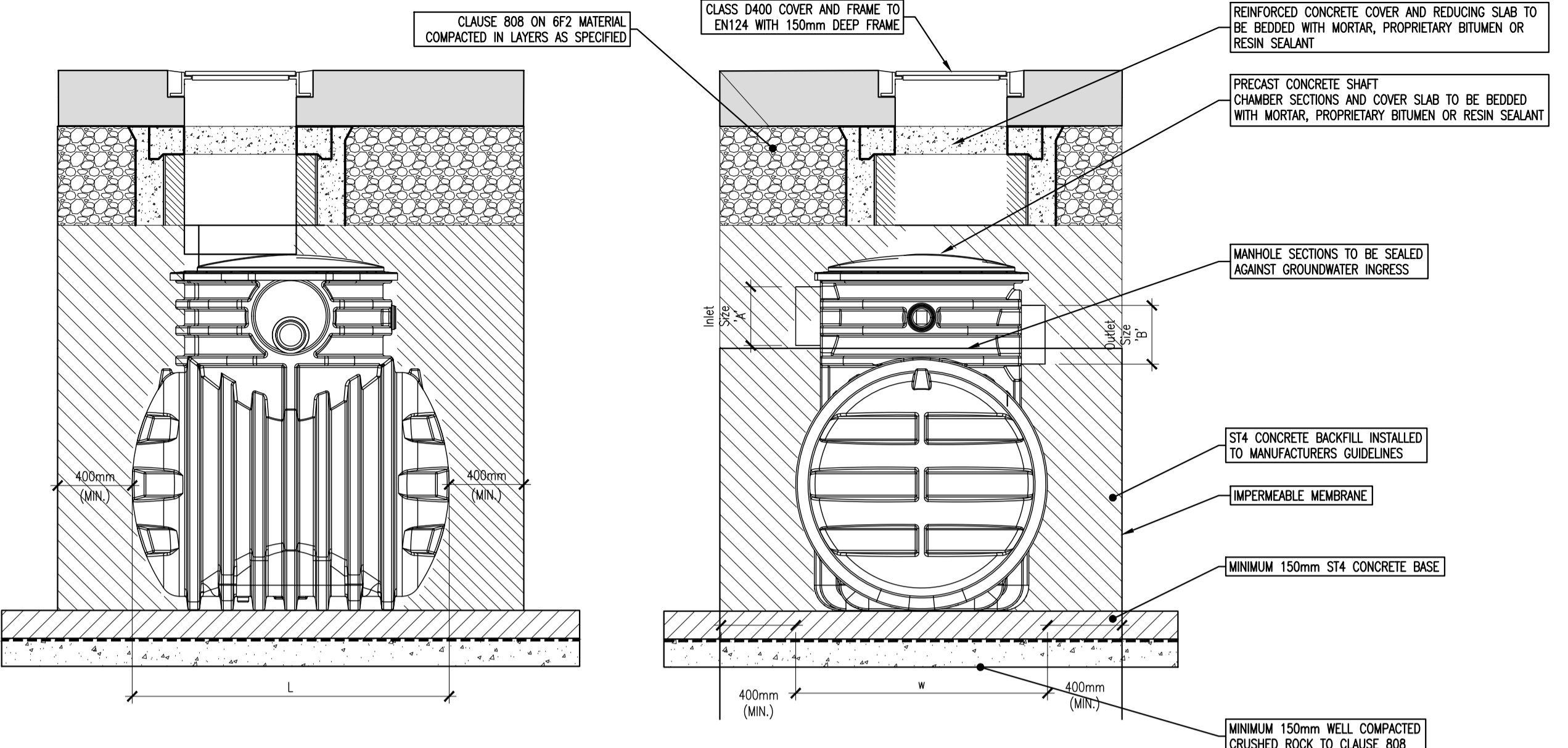
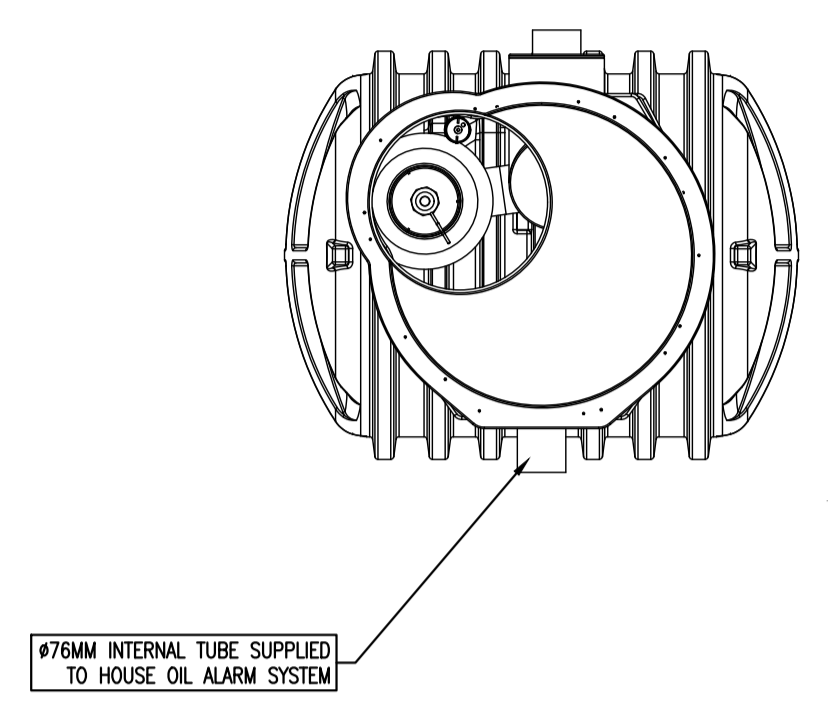
SECTION A-A



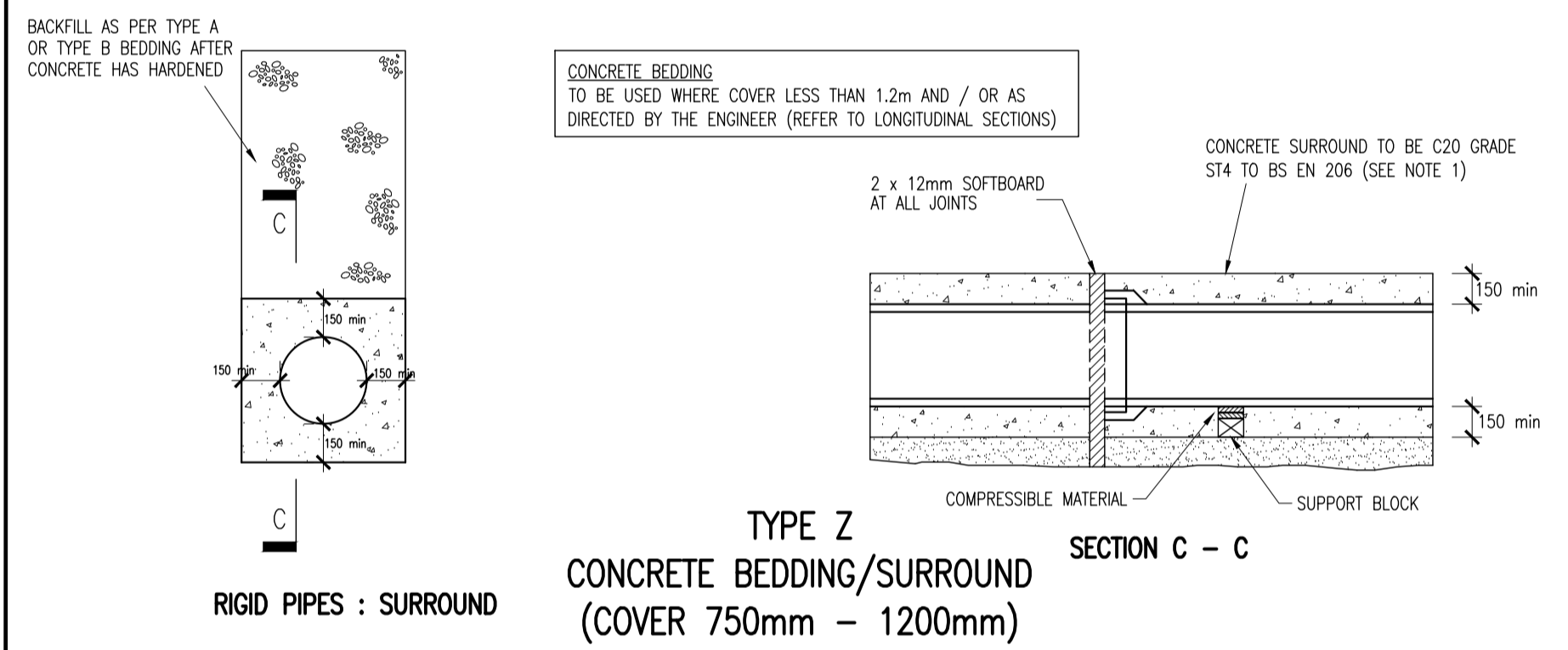
FLOW CONTROL MANHOLE DETAIL  
SCALE 1:25

DIMENSIONS

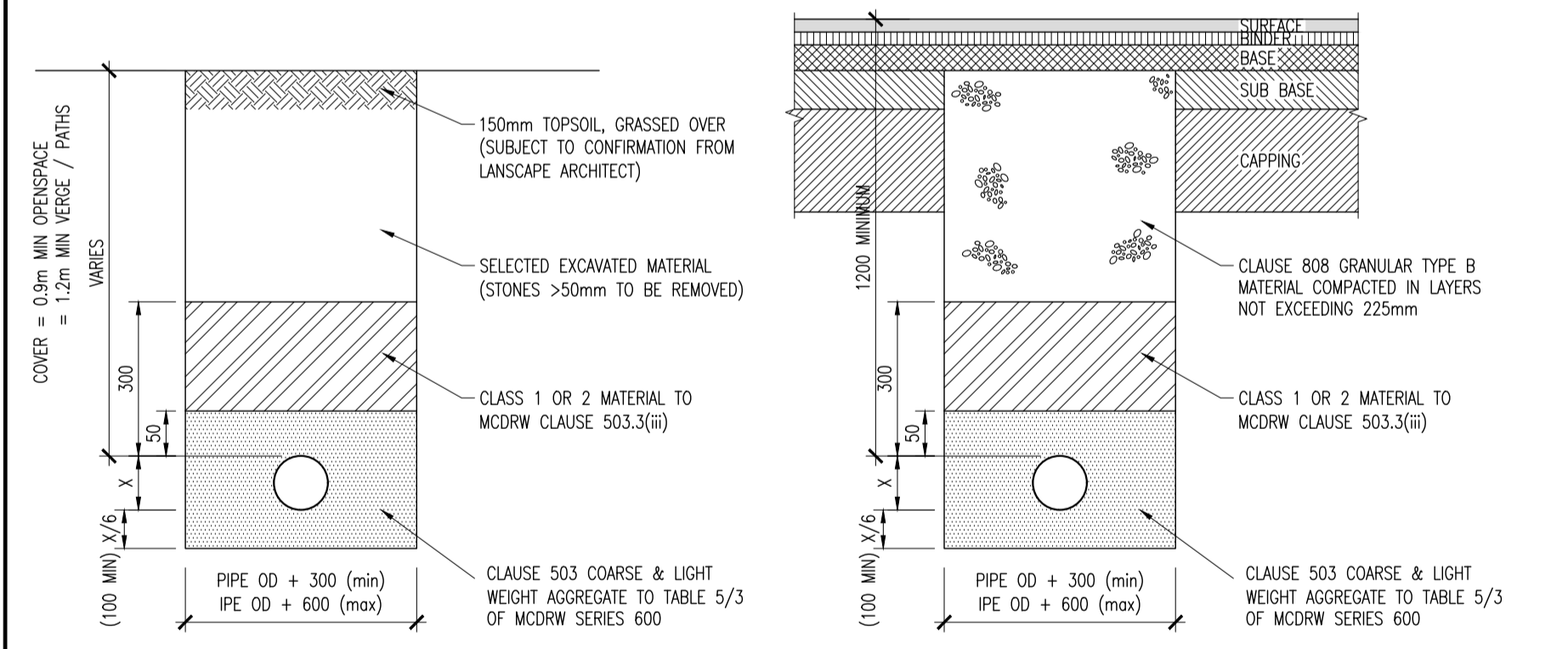
UNIT REF No.	Length L(mm)	Width W(mm)	NOMINAL FLOW	STD. PIPES	FALL ACROSS UNIT	INLET SIZE 'A'	INLET SIZE 'B'
NSFP003	1700	1350	3 L/S	160	100	225	225



FULL RETENTION OIL SEPARATOR – TYPICAL INSTALLATION DETAIL  
SCALE 1:25



RIGID PIPES : SURROUND



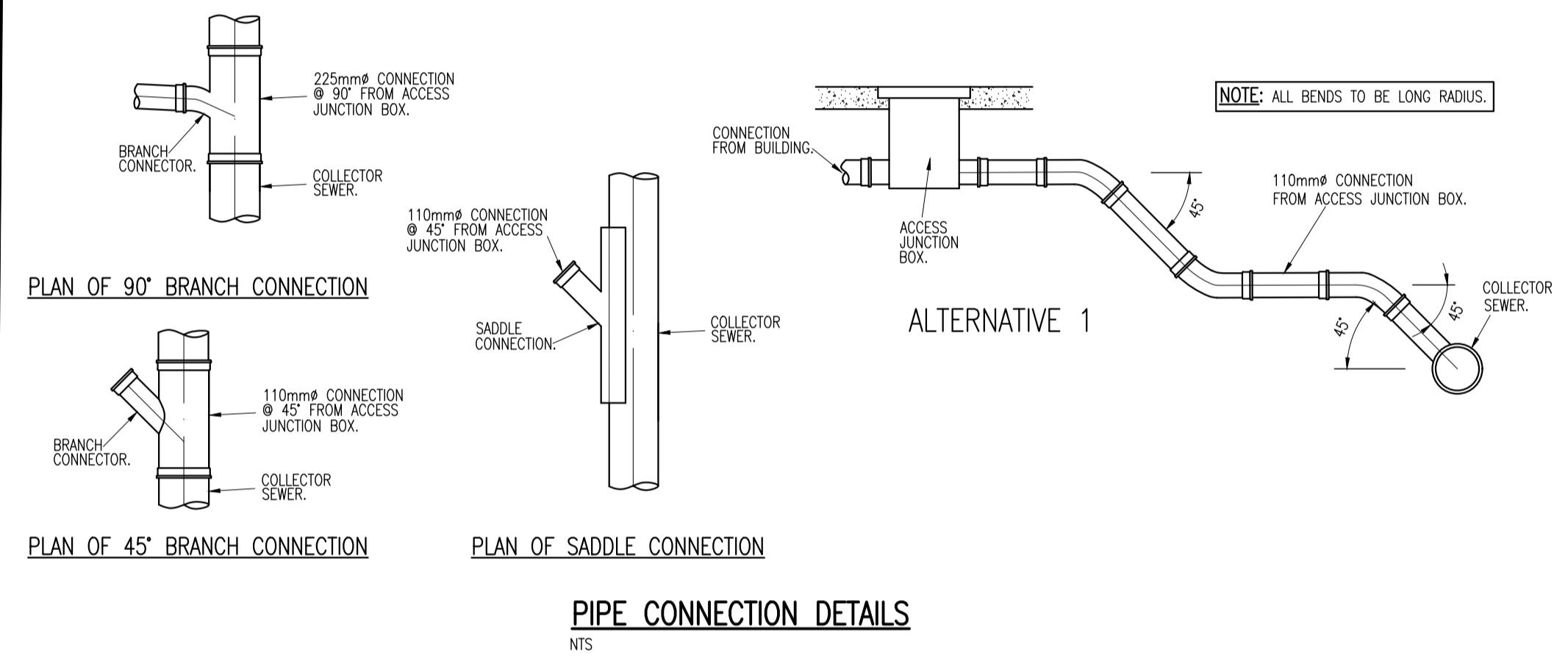
A – BEDDING/BACKFILL DETAIL ACROSS OPEN SPACE (SIMILAR)

B – BEDDING/BACKFILL DETAIL IN ROADWAYS/VERGES/PATHS

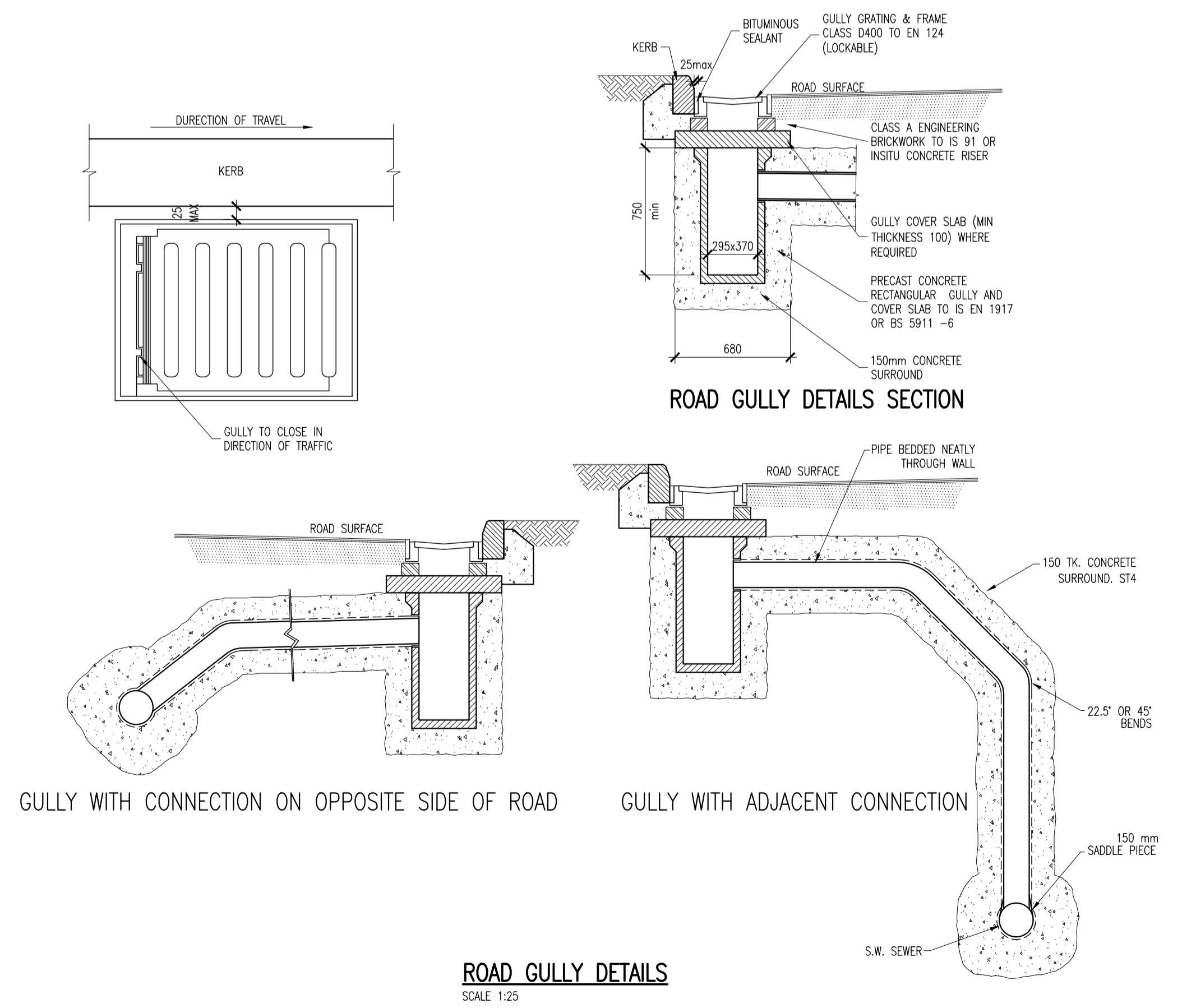
C – TRENCH BACKFILL/REINSTATEMENT DETAIL IN EXISTING ROADS (REFER TO 190226-DBFL-CS-SP-DR-C-5003)

TYPE S (COVER > 1.2 METRES TO CROWN)

PIPE BEDDING DETAILS  
SCALE 1:25



PIPE CONNECTION DETAILS  
NTS

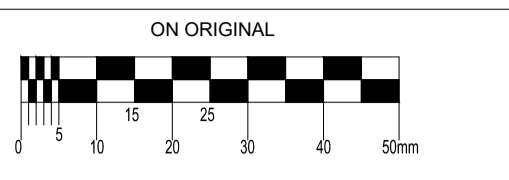


GULLY WITH CONNECTION ON OPPOSITE SIDE OF ROAD

GULLY WITH ADJACENT CONNECTION

ROAD GULLY DETAILS  
SCALE 1:25

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- NOTES:
- WHERE ROCKS OR OTHER HARD TRENCH BOTTOM IS ENCOUNTERED, THE FIGURE DENOTED BY \* IS TO BE DOUBLED.
  - 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.
  - CLAUSE 601 S.R.W. BACKFILL : UNIFORM HEAVILY 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 MEET CAST OR SPUN IRON, CONCRETE OR CLAY.
  - GULLY GRATINGS AND FRAMES SHALL COMPLY WITH THE REQUIREMENTS OF I.S./E.N./124 1994. GULLIES SHALL BE CLASS D400.
  - GULLY WALLS SHALL BE CONSTRUCTED IN CLASS 30N/mm<sup>2</sup> PRECAST OR INSTU CONCRETE OR ALTERNATIVELY IN SOLID CONCRETE BLOCKS DESIGNATED S10, STRENGTH 10N/mm<sup>2</sup>
  - ALL PIPES TO BE BEDDED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS
  - SURFACE WATER SEWERS TO BE CLASS H CONCRETE TO IS EN1916 AND IS 6 2004.

rev	date	description	by	chkd.
P01	05-05-22	PLANNING ISSUE	RMC	EDA
A		Approved		
B		Approved with comments		
C		Do not use		

SO - WORK IN PROGRESS PLANNING

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