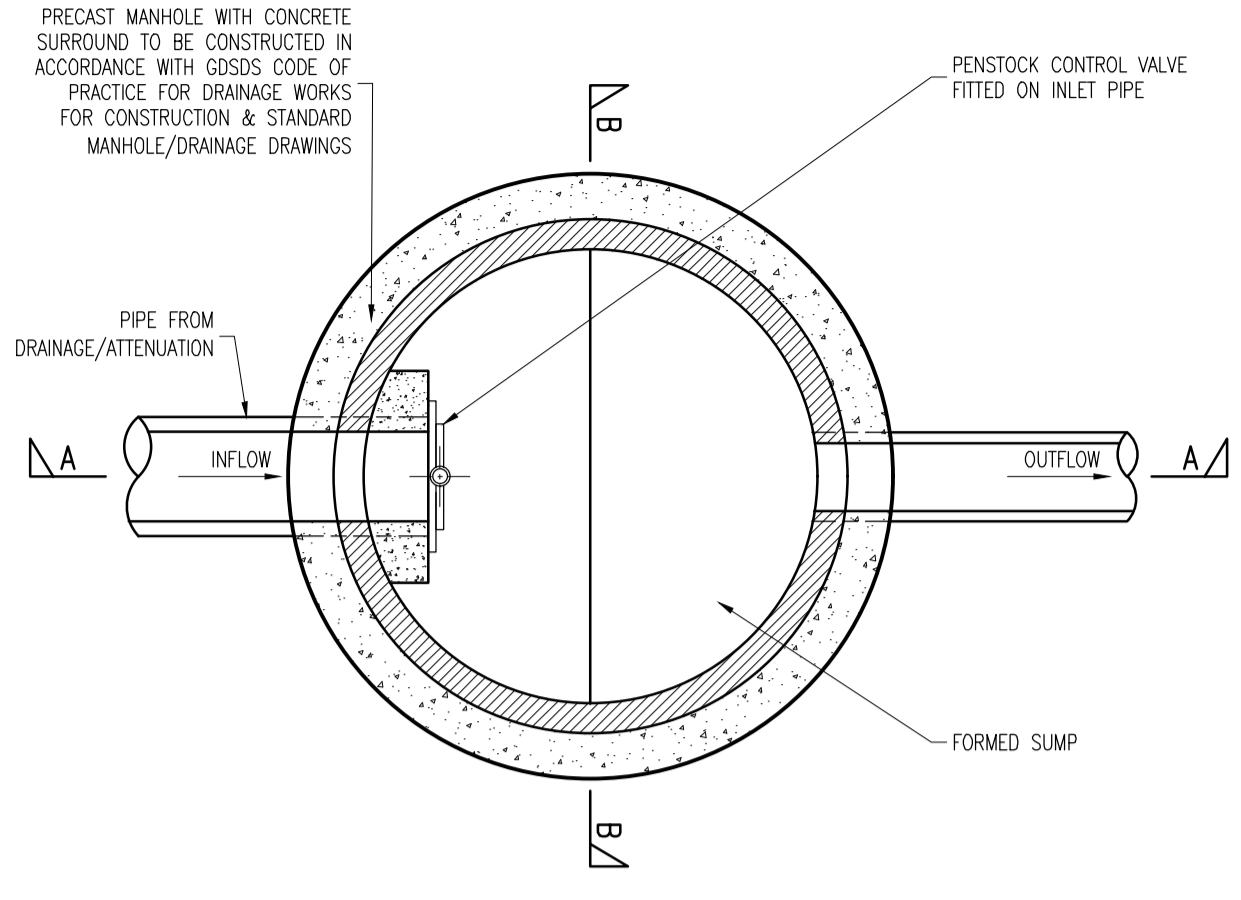


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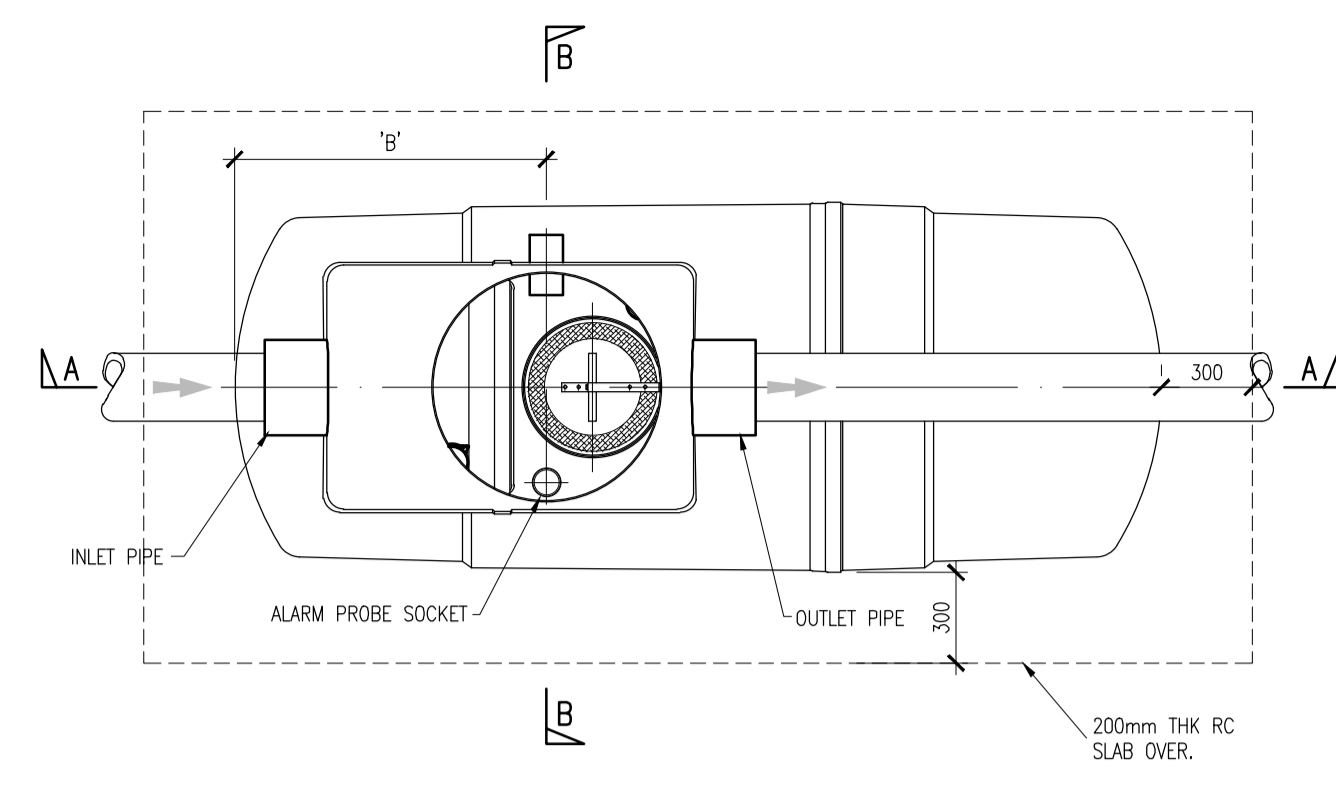
NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

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 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.
- 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/mm² PRECAST OR INSITU CONCRETE OR ALTERNATIVELY IN SOLID CONCRETE BLOCKS DESIGNATED S10, STRENGTH 10N/mm²
- 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.
- FOUL SEWERS TO BE uPVC PIPES TO COMPLY WITH THE "PROVISIONAL SPECIFICATIONS FOR SOIL PIPES, BRANS, SEWERS AND FITTINGS MADE OF UNPLASTICISED P.V.C." ISSUED BY THE DEPARTMENT OF THE ENVIRONMENT AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS V6.0.
- ALL ROAD CONSTRUCTION MATERIALS TO COMPLY WITH NRA VOLUME 1 SPECIFICATIONS FOR ROADWORKS DATED MARCH 2011 AND SUBSEQUENT REVISIONS OF SAME. ROAD REFERENCE DETAILS TO BE AS PER NRA VOLUME 4 ROAD CONSTRUCTION DETAILS DATED JUNE 2014

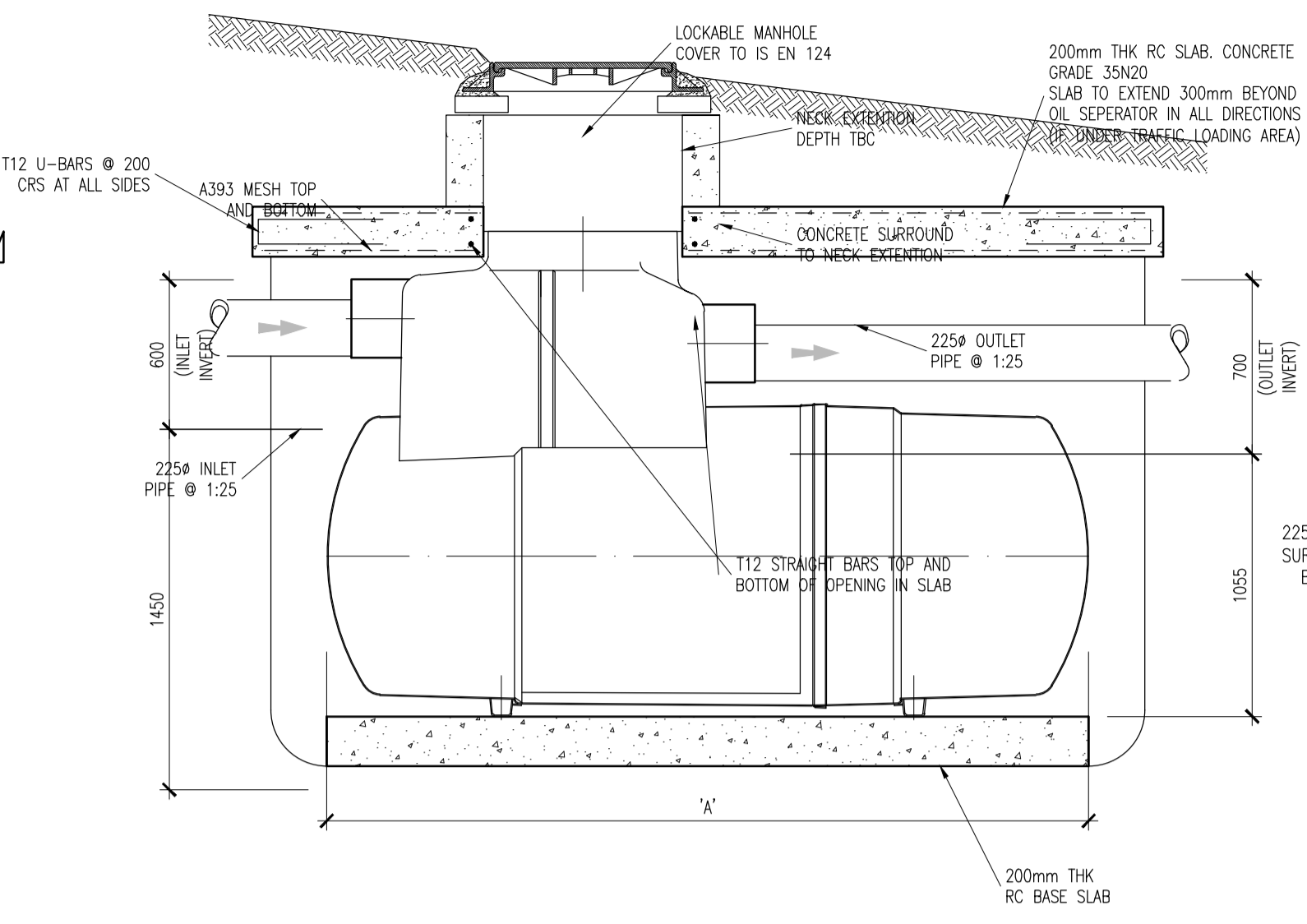


PLAN FLOW CONTROL MANHOLE DETAIL SCALE 1:25

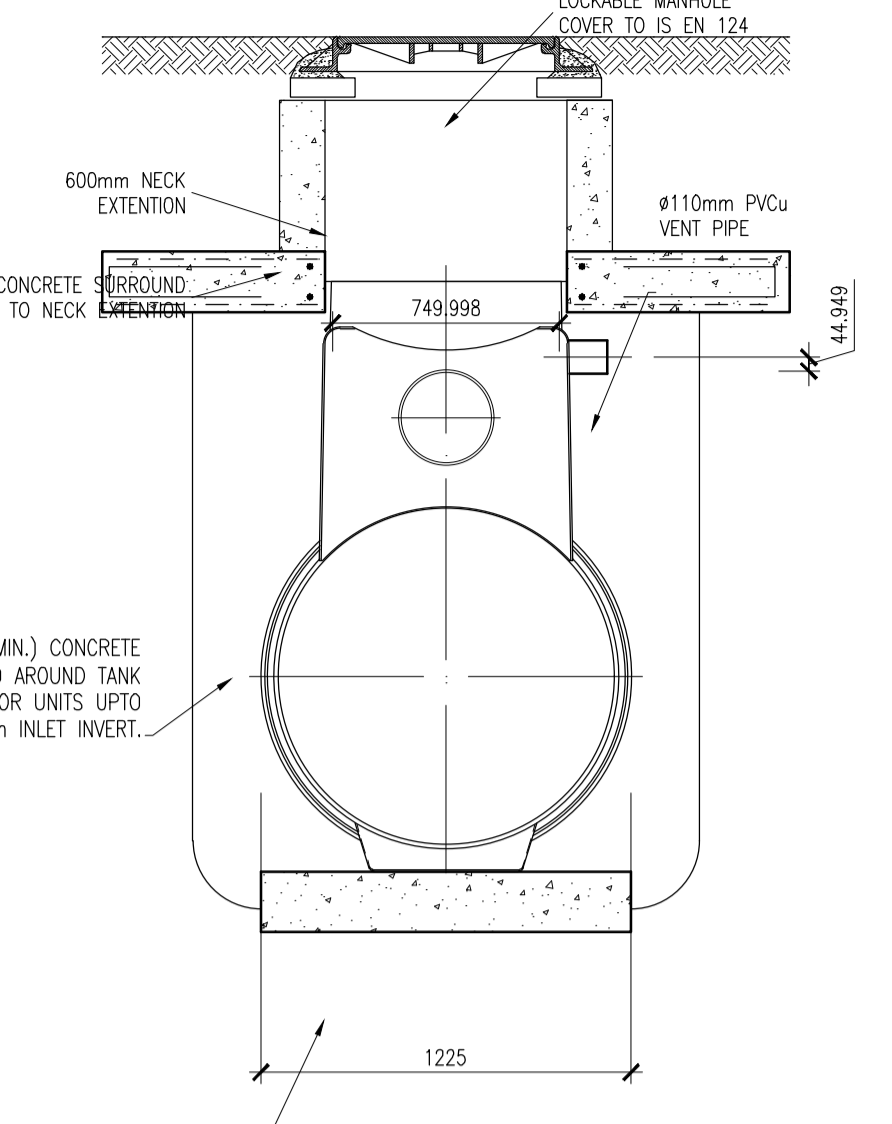


DIMENSIONS

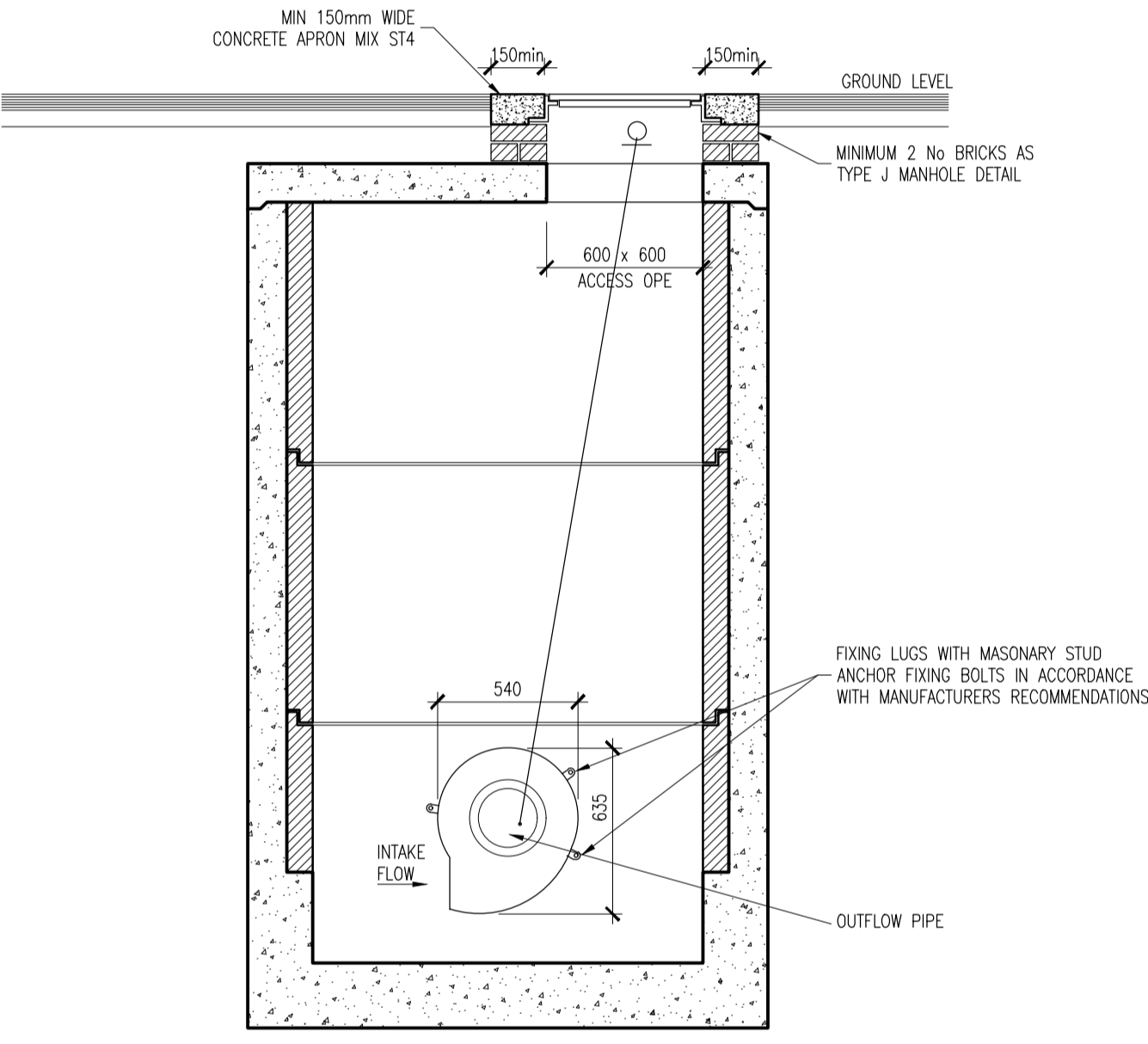
UNIT REF No.	NOMINAL FLOW	DIM 'A'	DIM 'B'	STD. PIPE	APPROX. EMPTY WEIGHT (KG)	FALL ACROSS UNIT
NSR0003	3 L/S	1765	850	160	145	100
NSR0004	4.5 L/S	1765	850	200	160	100
NSR0006	6 L/S	1765	850	200	160	100
NSR0008	8 L/S	3065	1560	250	210	100
NSR0010	10 L/S	3065	1560	315	210	100
NSR0012	12 L/S	3915	1560	315	240	100
NSR0015	15 L/S	3915	1560	315	240	100



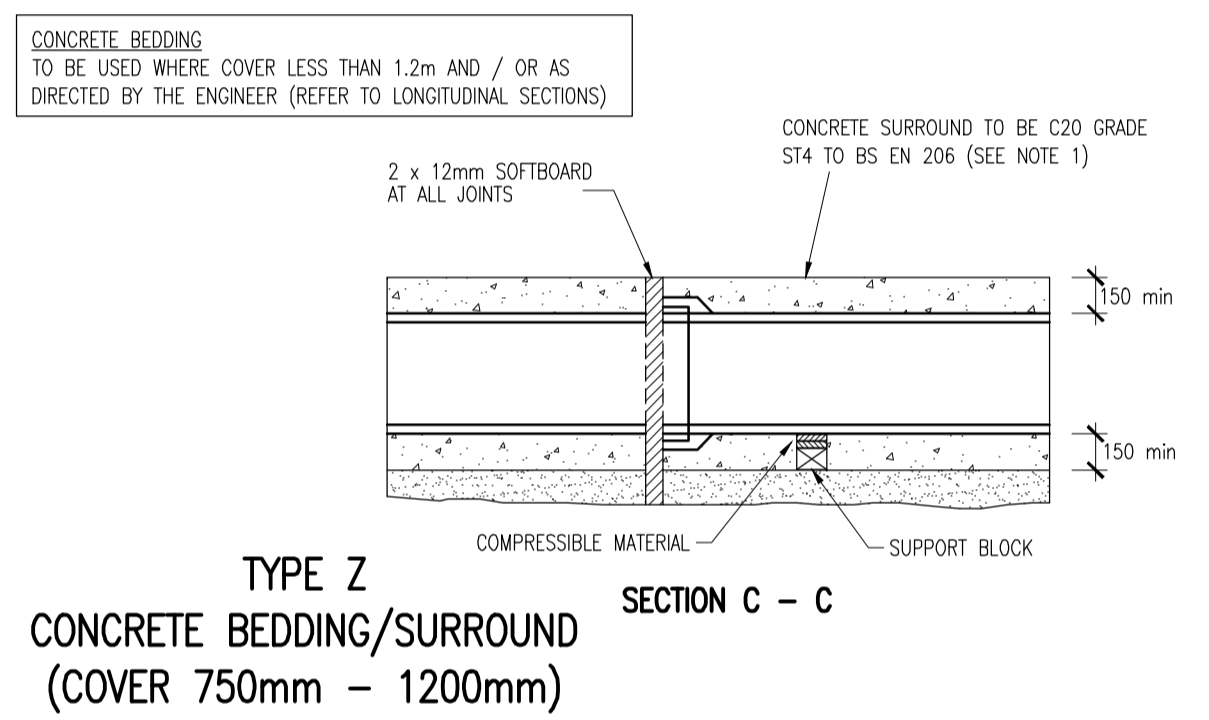
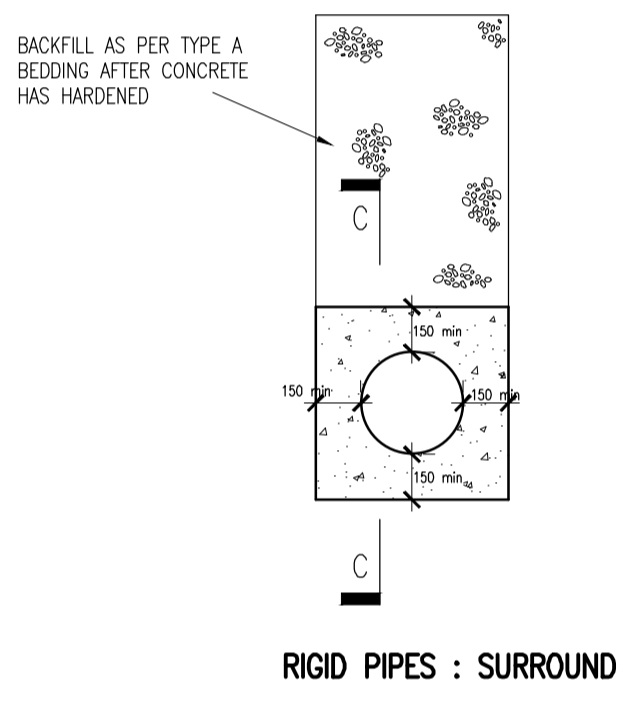
SECTION A-A PETROL INTERCEPTOR DETAIL SCALE 1:25



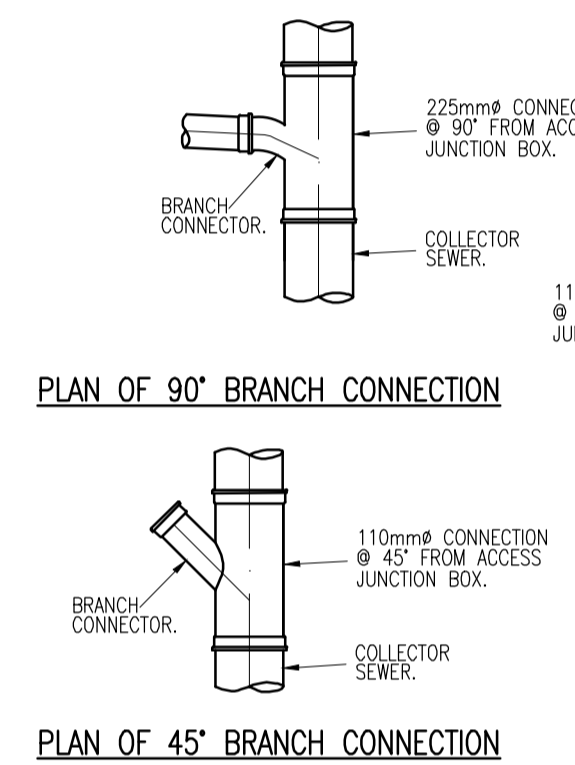
SECTION B-B



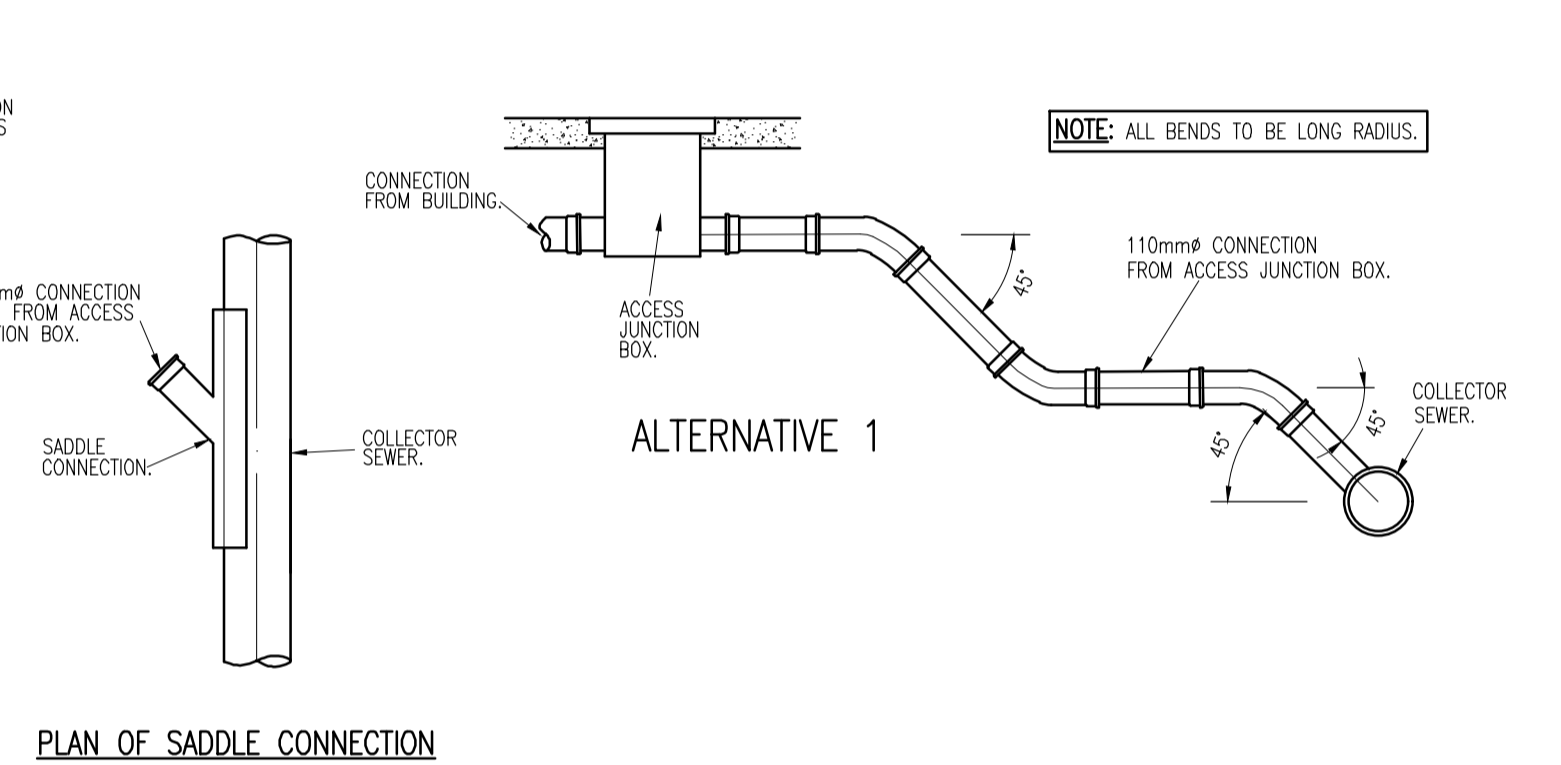
SECTION A-A FLOW CONTROL MANHOLE DETAIL SCALE 1:25



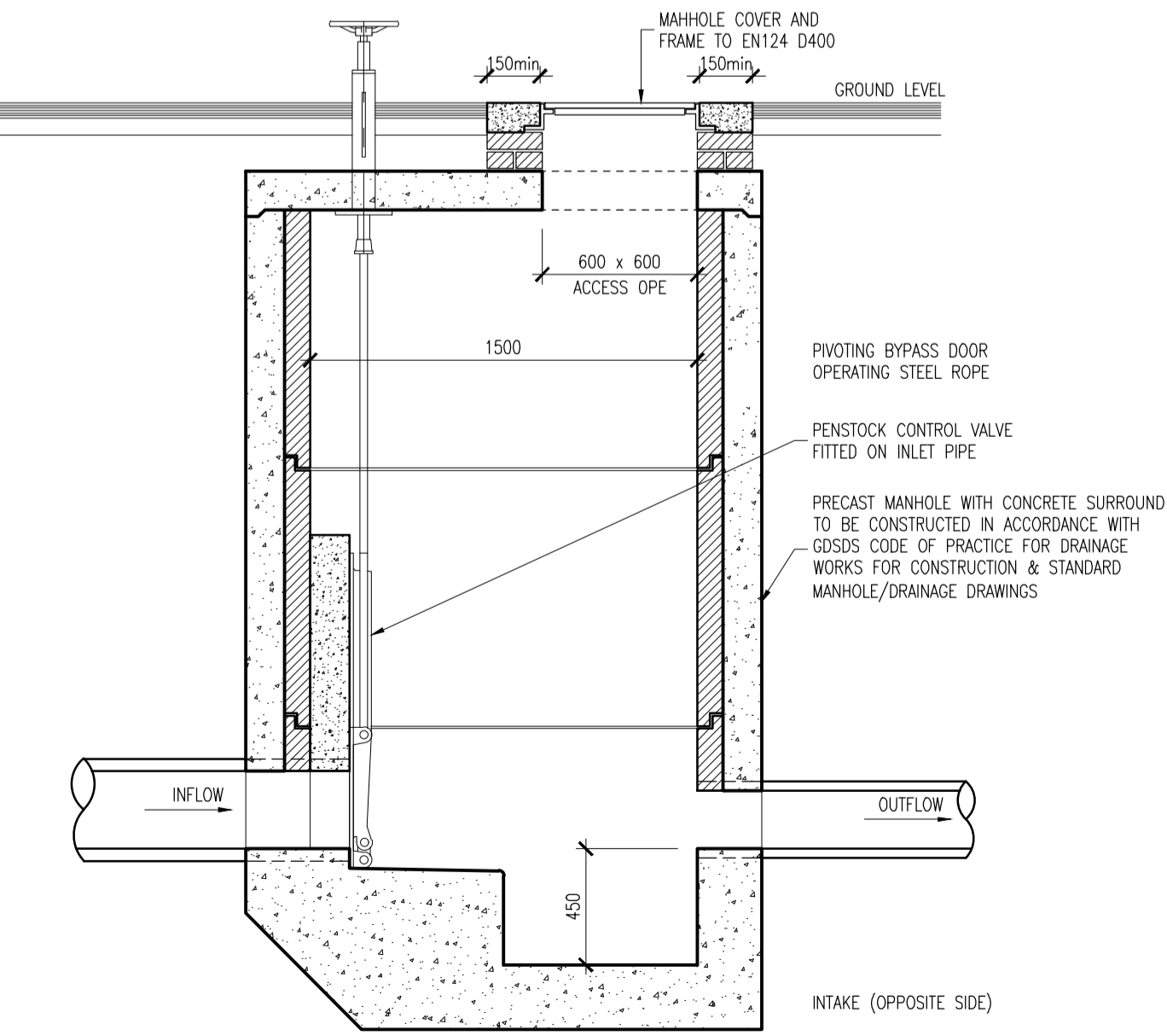
TYPE Z CONCRETE BEDDING/SURROUND (COVER 750mm - 1200mm)



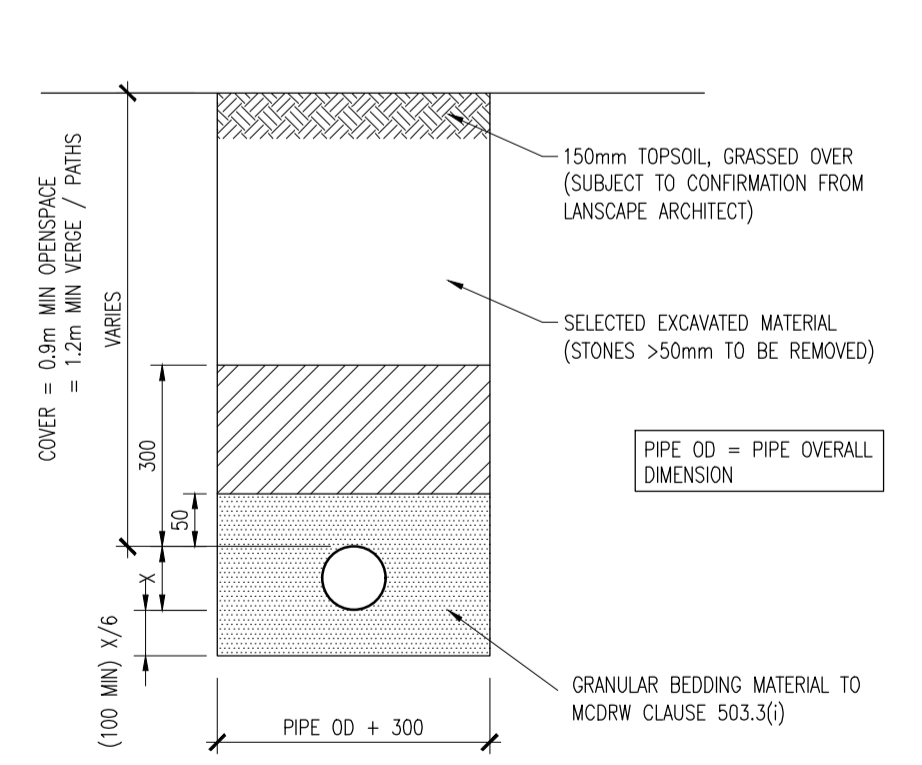
PLAN OF 90° BRANCH CONNECTION
PLAN OF 45° BRANCH CONNECTION



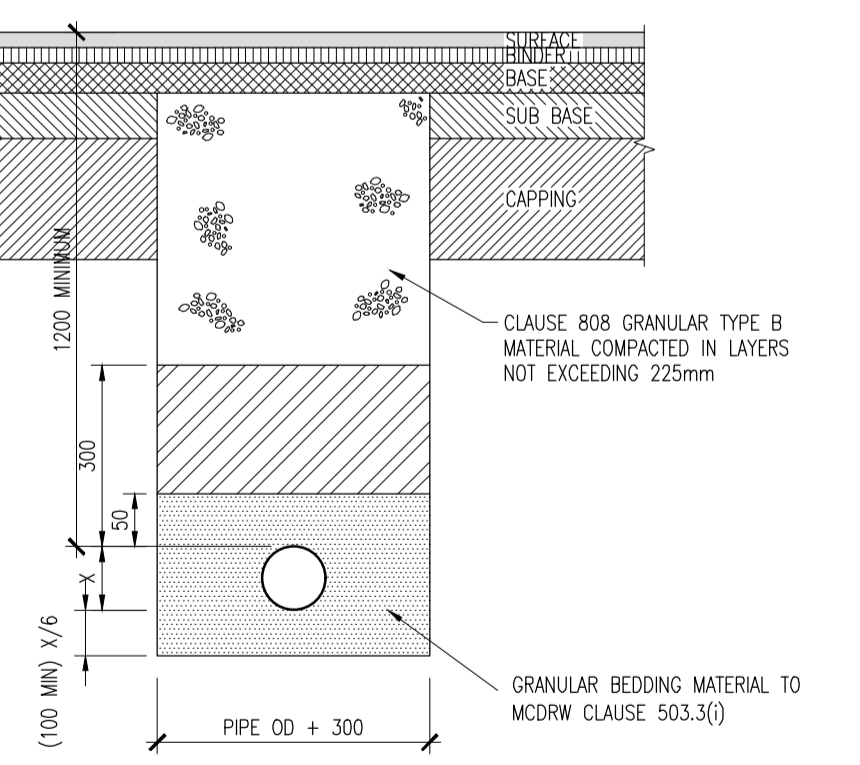
PLAN OF SADDLE CONNECTION



SECTION B-B FLOW CONTROL MANHOLE DETAIL SCALE 1:25



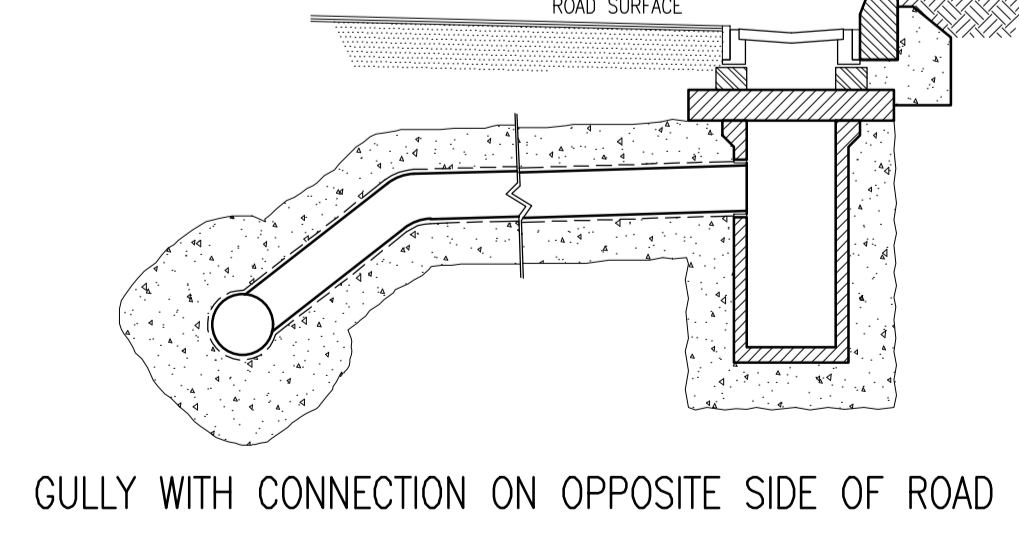
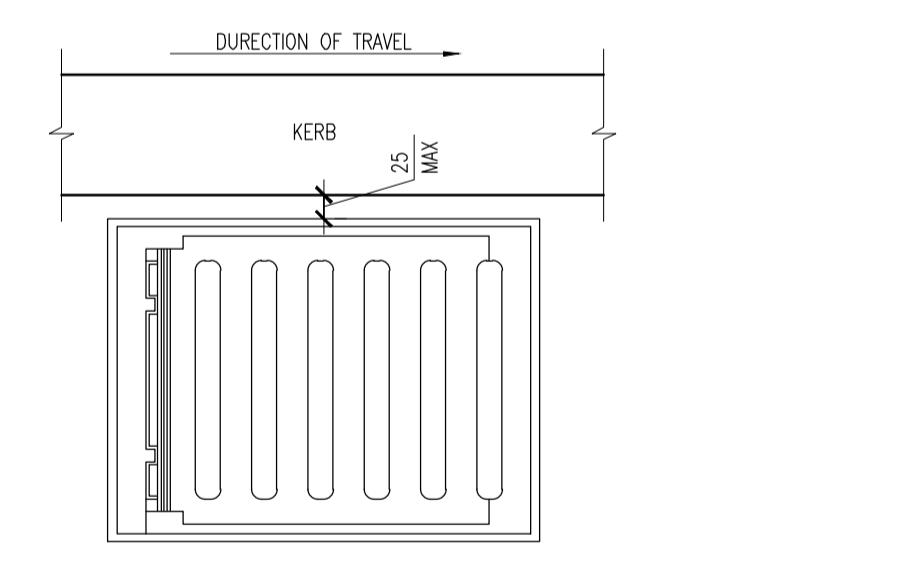
A - BEDDING DETAIL ACROSS OPEN SPACE (SIMILAR)



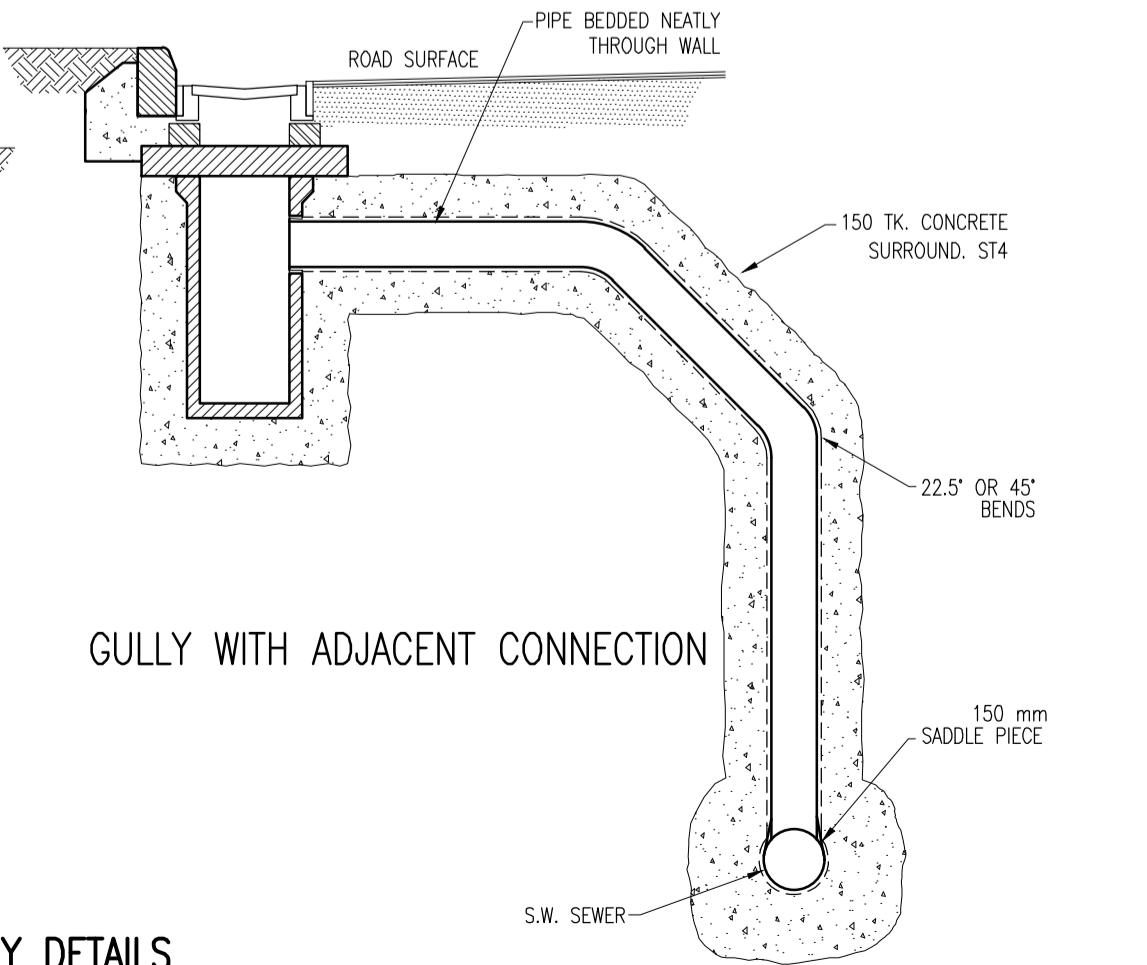
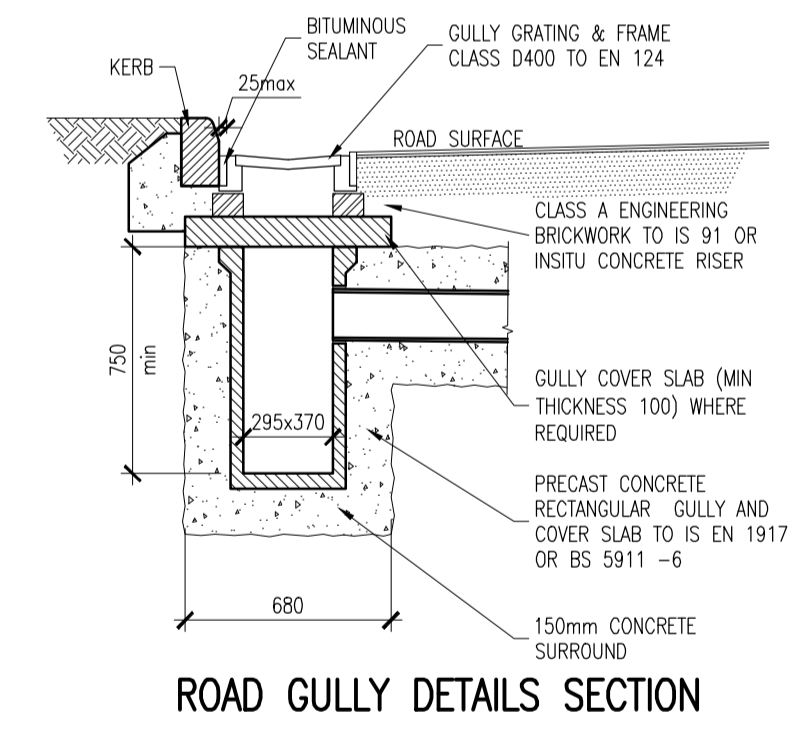
B - BEDDING DETAIL IN ROADWAYS/VERGES/PATHS

- NOTES:**
- ALL DIMENSIONS ARE IN MILLIMETRES.
 - DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE (Ø225 = 301mm, Ø450 = 588mm & WIDER AT SOCKETS).
 - THE MINIMUM AND MAXIMUM WIDTH OF THE TRENCH APPLIES ON AND BELOW A LINE 300mm ABOVE THE OUTSIDE TOP OF THE PIPE. ABOVE THE 300mm LINE THE TRENCH BACKFILL MATERIAL SHALL BE AS PER TYPICAL TRENCH DETAILS.
 - BEDDING TO BE COMPACTED IN ACCORDANCE WITH SPECIFICATION & MANUFACTURERS RECOMMENDATIONS

TYPE S (COVER > 1.2 METRES TO CROWN)



GULLY WITH CONNECTION ON OPPOSITE SIDE OF ROAD



GULLY WITH ADJACENT CONNECTION

ROAD GULLY DETAILS

P02	29-04-21	NEW SHD STAGE 3 PLANNING	PGC	DMW
P01	15-12-20	STAGE 3 SHD PLANNING	ICD	DMW
rev	date	description	by	chkd.
		A - Approved		
		B - Approved with comments		
		C - Do not use		

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project ref.

COOLDOWN COMMONS PHASE 3

drawing title
TYPICAL DRAINAGE DETAILS SHEET 2

client
CAIRN HOMES

designed by	author	scale	sheet size
DMW	ICD	AS NOTED	A1
drawing no.		revision	
190003-DBFL-CS-SP-DR-C-5002		P02	