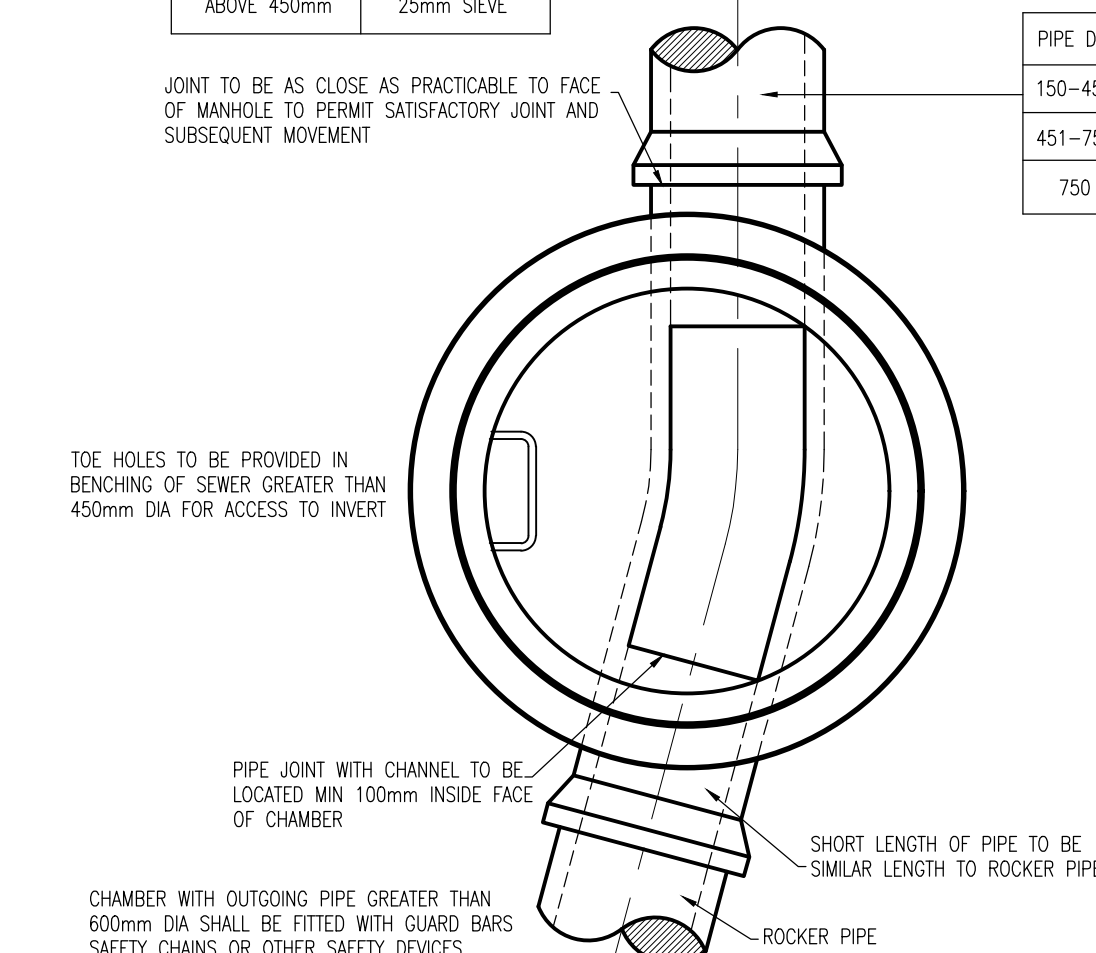


TYPE 2 GRANULAR MATERIAL :

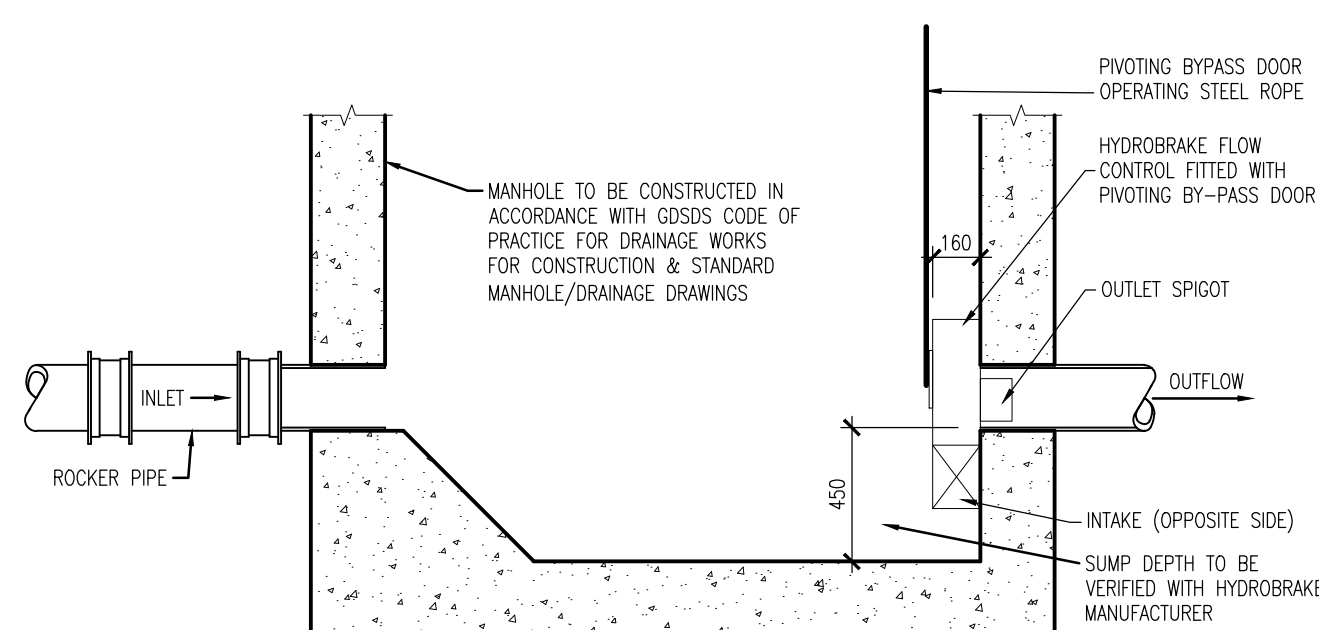
PIPE SIZE	100% PASSING
UP TO 225mm	10mm SIEVE
225 TO 450mm	20mm SIEVE
ABOVE 450mm	25mm SIEVE

THE SAFETY POLICY OF INDIVIDUAL SEWERAGE UNDERTAKERS MAY REQUIRE A LARGER MINIMUM CLEAR OPENING INTO MANHOLES AND THE FITTING OF GUARD BARS, SAFETY CHAINS OR OTHER SAFETY DEVICES IN MANHOLES WITH OUTGOING PIPES OF LESS THAN 600mm DIA

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



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

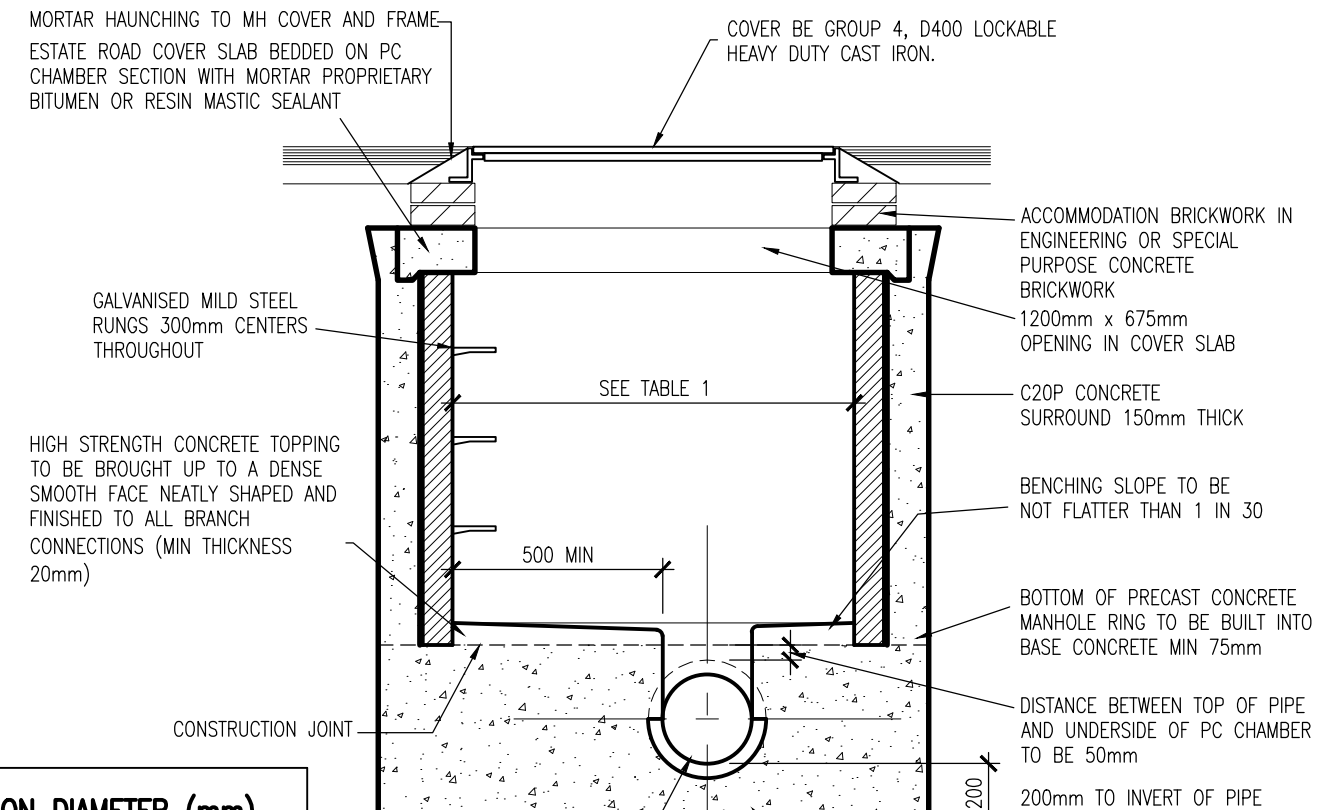


TYPICAL SECTION THROUGH FLOW CONTROL MANHOLE
SCALE 1:25

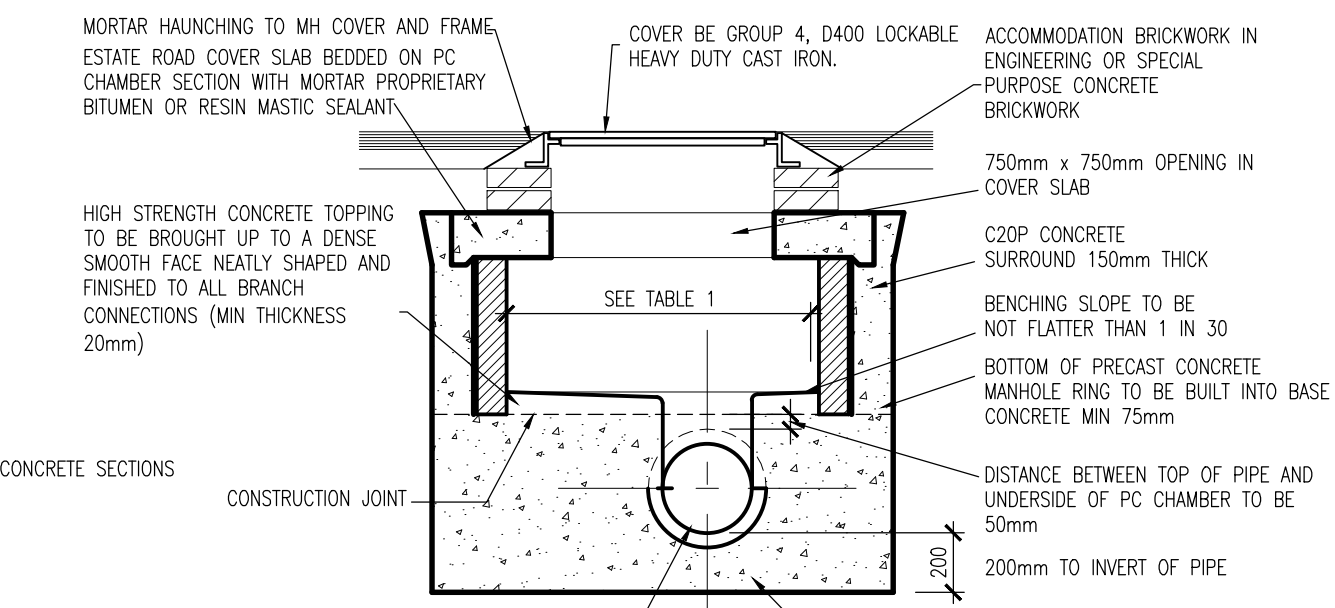
NOTE: ALL CONCRETE TO BE SULPHATE RESISTANT

TABLE 1

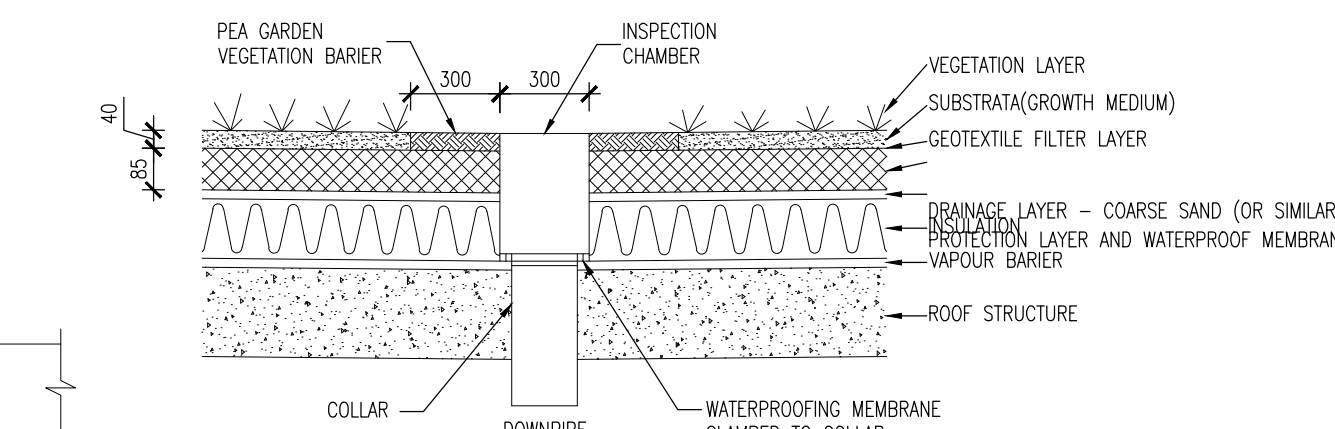
DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	CHAMBER SECTION DIAMETER (mm)
LESS THAN 375	1200 (1050 WHERE DEPTH TO SOFFIT IS 1.35m – 1.5m)
375 – 450	1350
500 – 700	1500
750 – 900	1800



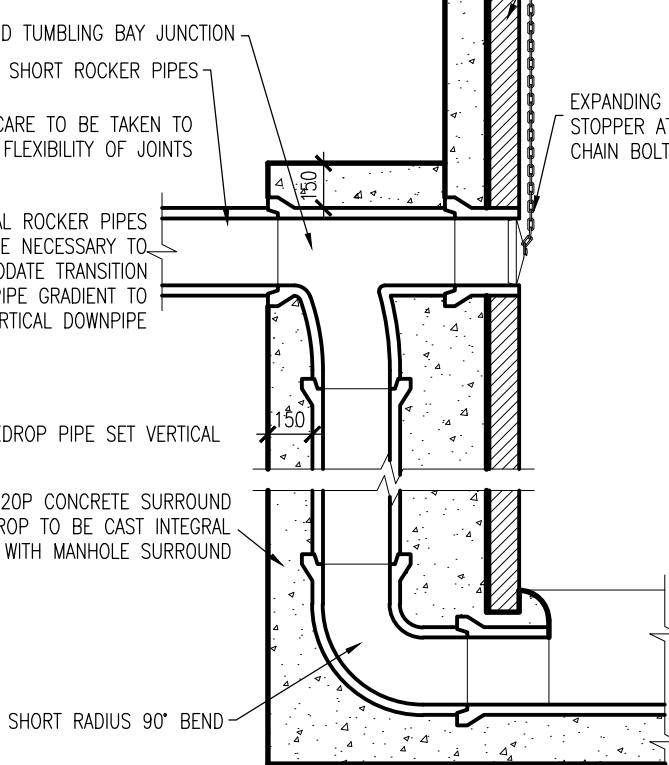
TYPICAL MANHOLE DETAIL – TYPE E
DEPTH TO SOFFIT 1.0 TO 1.35m
SCALE 1:25



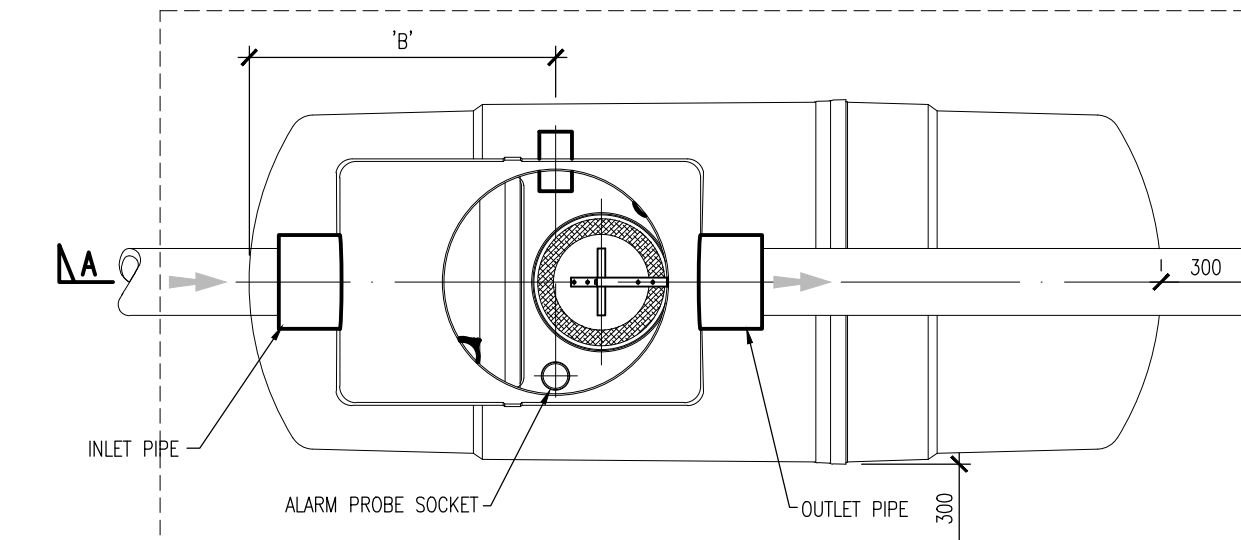
TYPICAL MANHOLE DETAIL – TYPE F
DEPTH TO SOFFIT LESS THAN 1.0m
SCALE 1:25



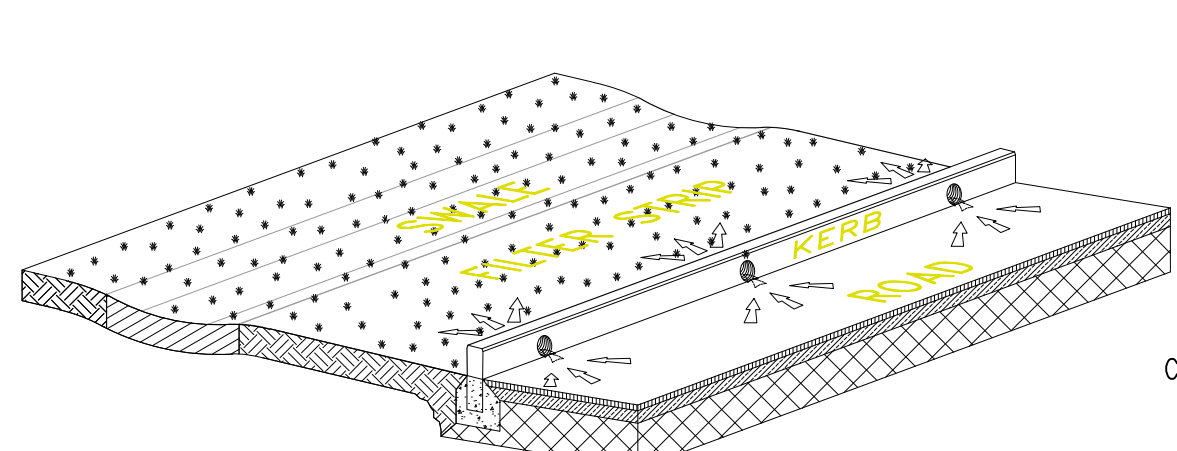
TYPICAL SECTION THROUGH GREEN ROOF
SCALE 1:25



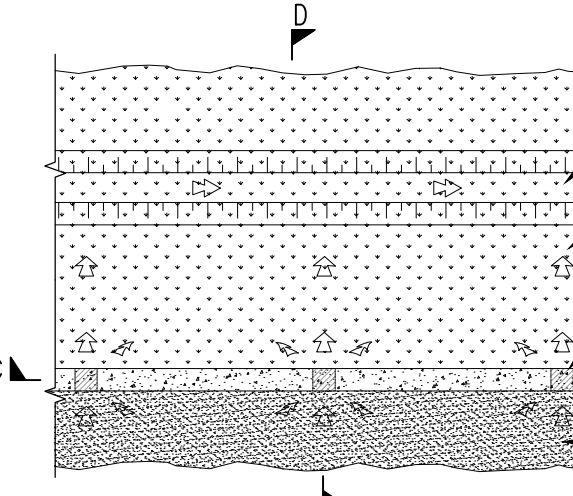
TYPICAL VERTICAL BACKDROP DETAIL
SCALE 1:25



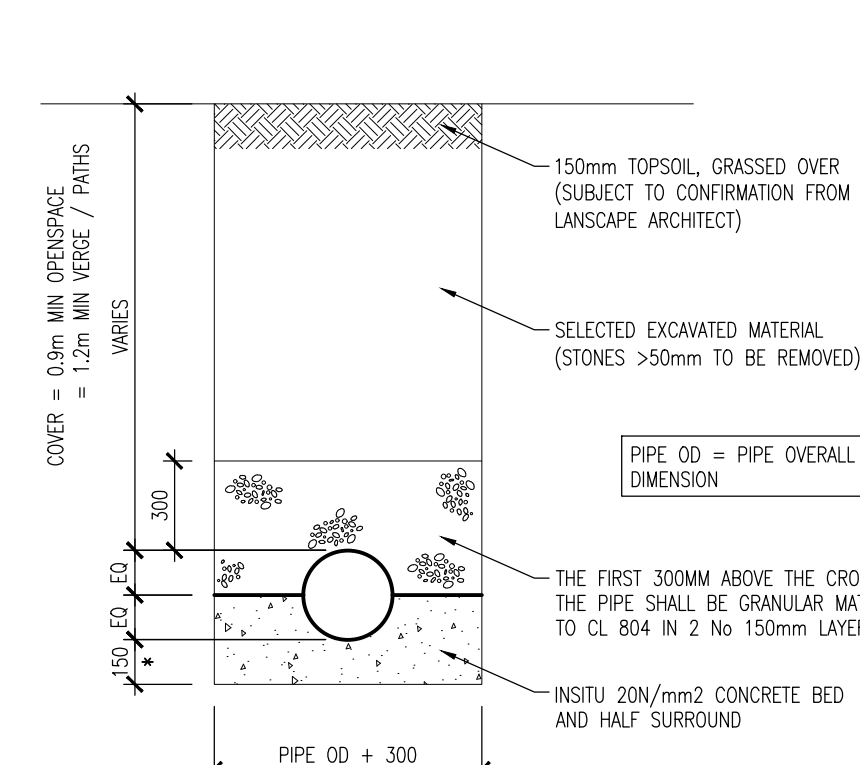
PETROL INTERCEPTOR
SCALE 1:25



SCHEMATIC LAYOUT

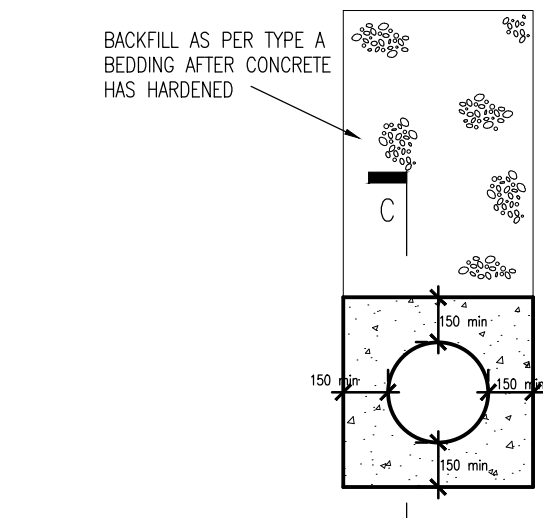


TYPICAL LATERAL INLET KERB
SCALE NTS

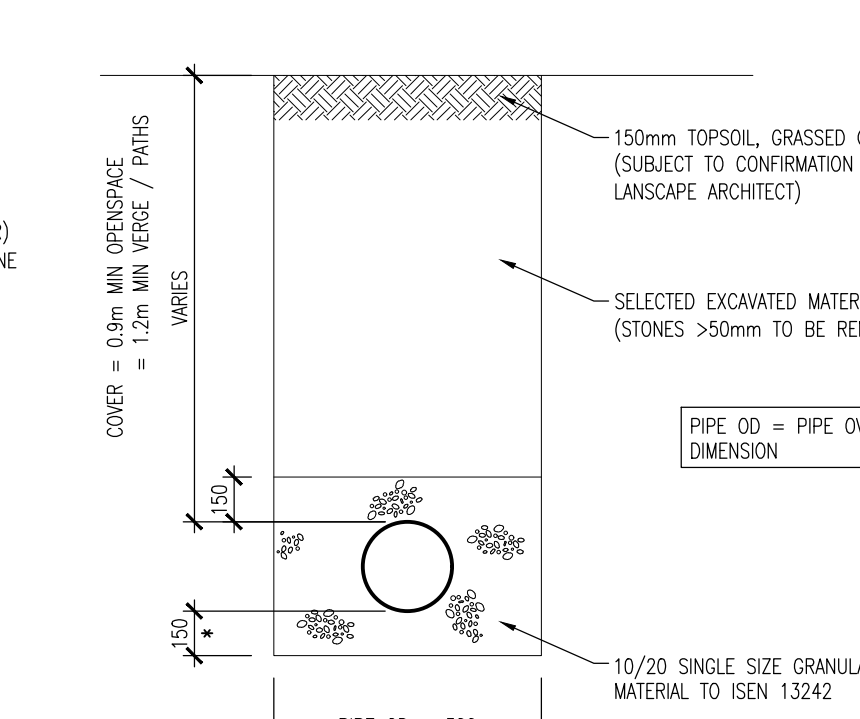


A – BEDDING DETAIL
ACROSS OPENSOURCE (SIMILAR)

TYPE A
(COVER > 1.2 METRES TO CROWN, RIGID PIPES)
SCALE 1:25

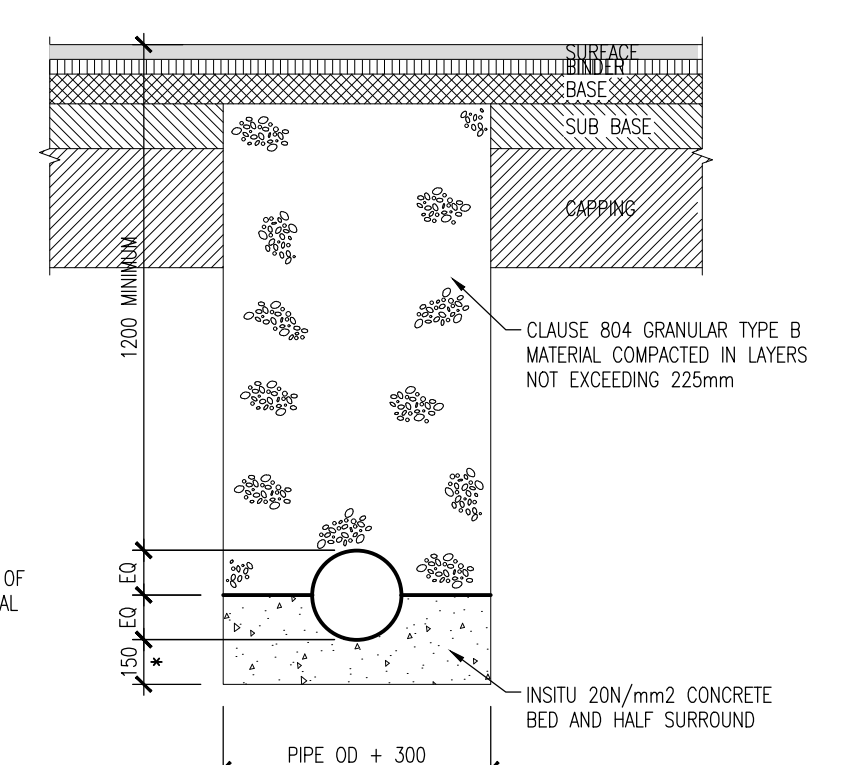


TYPE Z
CONCRETE BEDDING/SURROUND (COVER 750mm – 1200mm)
SCALE 1:25

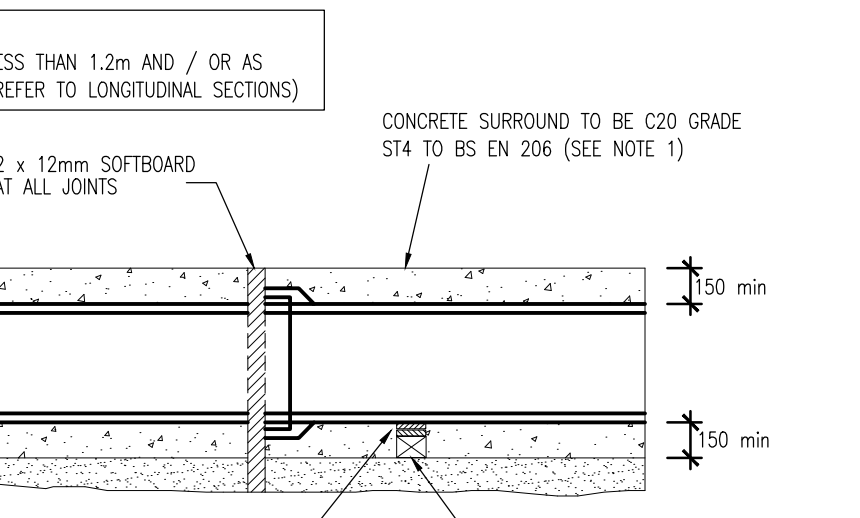


A – BEDDING DETAIL
ACROSS OPENSOURCE (SIMILAR)

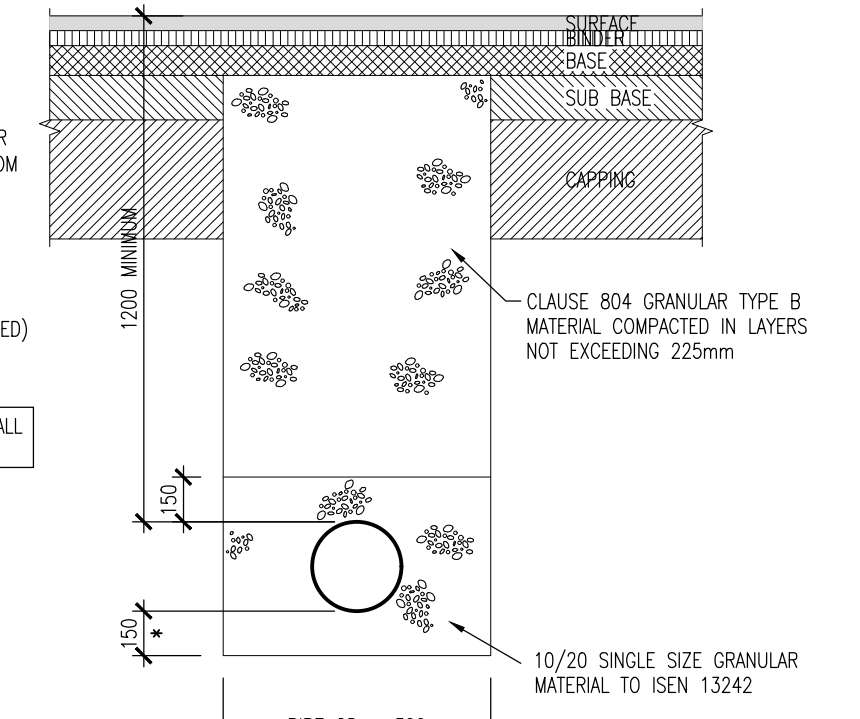
TYPE S
(COVER > 1.2 METRES TO CROWN, FLEXIBLE PIPES)
SCALE 1:25



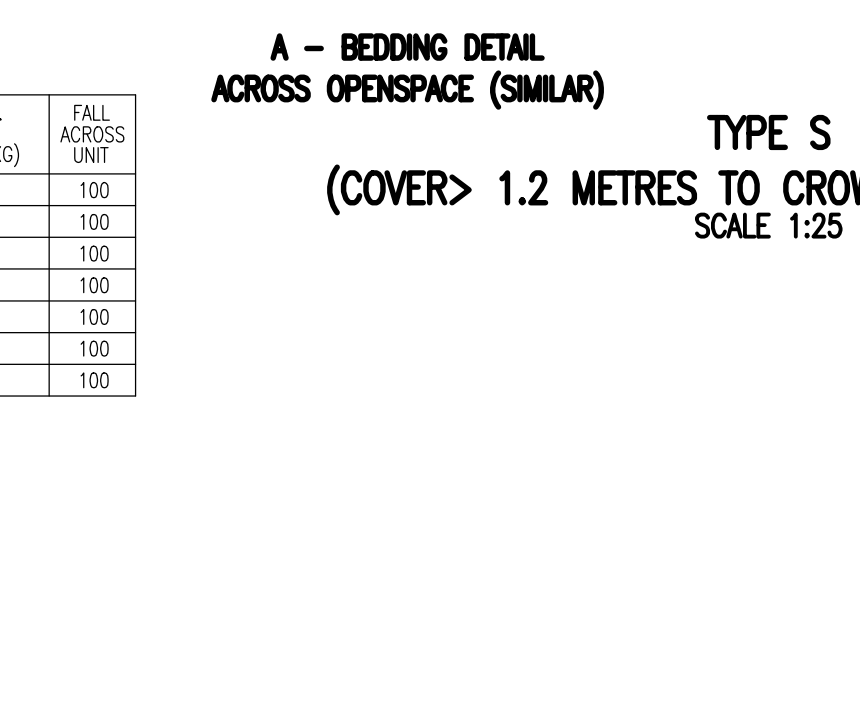
B – BEDDING DETAIL
IN ROADWAYS/VERGES/PATHS



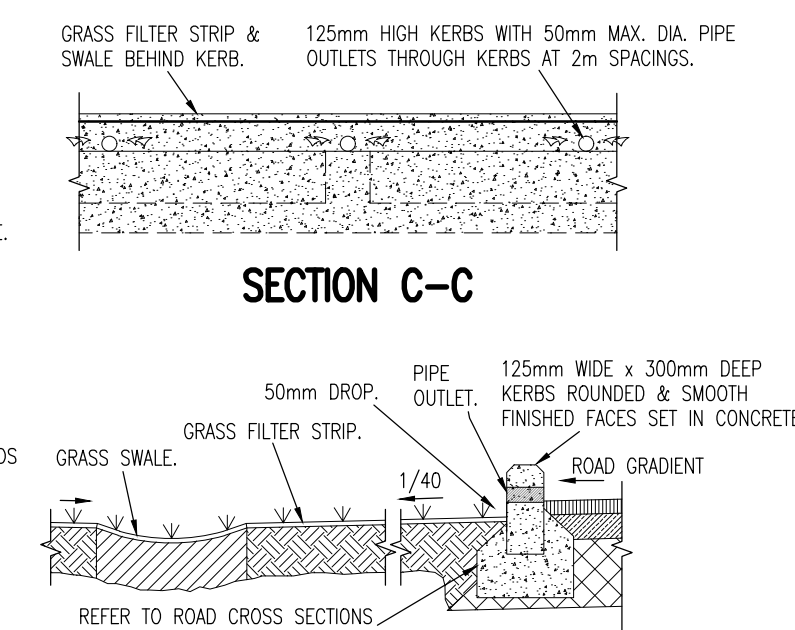
SECTION C – C



B – BEDDING DETAIL
IN ROADWAYS/VERGES/PATHS



TYPICAL DRY SWALE DETAIL
SCALE 1:25



SECTION D – D

DIMENSIONS

UNIT REF No.	NOMINAL FLOW	DIM 'A'	DIM 'B'	STD. PIPE R	APPROX. EMPTY WEIGHT (KG)	FALL ACROSS UNIT
NSB0003	3 L/S	1765	850	160	145	100
NSB0004	4.5 L/S	1765	850	200	160	100
NSB0006	6 L/S	1765	850	200	160	100
NSB0008	8 L/S	3065	1560	250	210	100
NSB0010	10 L/S	3065	1560	315	210	100
NSB0012	12 L/S	3915	1560	315	240	100
NSB0015	15 L/S	3915	1560	315	240	100

- NOTES**
- ALL WORKS TO COMPLY WITH THE CURRENT BUILDING REGULATIONS, WATER BYELAWS AND LOCAL AUTHORITY REQUIREMENTS.
 - 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.

Rev	Date	Description	By	Chk
PP4	09/10/19	PLANNING (ABP)	SM	GD
PP3	13/09/19	ISSUED TO IRISH WATER	SM	GD
PP2	29/04/19	PRE-PLANNING MTG (ABP)	SM	GD
PP1	20/11/18	PRE-PLANNING TO SDCG	PTC	GD

PLANNING

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PROJECT
Cookstown Cross, Fourth Avenue
Cookstown Industrial Estate

CLIENT
Steelworks Property
Developments Limited

DRAWING TITLE
Typical Civil Details Sheet 2

dm. by: PTC	date: JUL 16	scale: 1:500
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job no: P-1606	drg. no: P-1606-C-104	rev: PP4