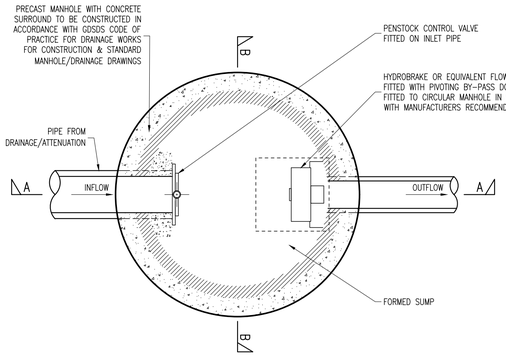
ON ORIGINAL

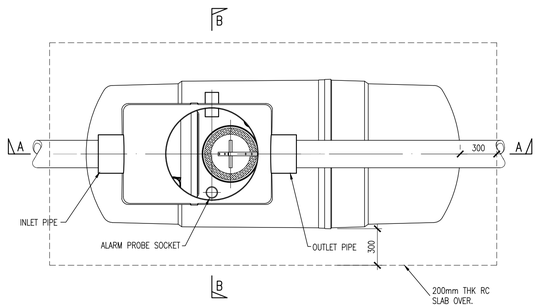
0 5 10 15 20 25 30 40 50mm

NOTES:

1. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH NRA SPECIFICATION FOR ROAD WORKS U.N.O.
2. ALL REINFORCED CONCRETE ON THIS DRAWING SHALL BE U.N.O.: 35N20 COVER = 50mm MIN
3. SURFACE FINISHES FOR CONCRETE:
   - CLASS F1 FOR ALL CONCRETE 100mm OR MORE BELOW GROUND LEVEL.
   - CLASS F3 FOR ALL EXPOSED CONCRETE ABOVE 100mm BELOW GROUND LEVEL.
4. ALL EXPOSED CORNERS ON CONCRETE SHALL BE CHAMFERED WITH 25mm x 25mm CHAMFERS.
5. ALL STRUCTURAL CONCRETE (HEADWALLS, RC MANHOLES, PETROL INTERCEPTOR SLABS) TO RECEIVE MC DUR 160 (OR SIMILAR APPROVED TAR MODIFIED EPOXY RESIN) TO ALL BURIED SURFACES, TO FINISH 100mm BELOW GROUND LEVEL.
6. ALL SEWERS SHALL BE PRESSURE TESTED PRIOR TO BACKFILLING.
7. RIGID PIPES SHALL MEAN CAST OR SPUN IRON, CONCRETE, ASBESTOS CEMENT OR CLAY.
8. CLASS D400 MANHOLE COVER FRAMES TO BE 150mm DEEP IN ROADS AND 100mm DEEP IN FOOTPATHS AND GREEN AREAS.
9. ALL AGGREGATES PROPOSED FOR USE ON THIS SCHEME SHALL MEET FULLY THE REQUIREMENTS OF THE NRA SPECIFICATION FOR ROAD WORKS AND IN ADDITION THE REQUIREMENTS STATED IN STANDARD RECOMMENDATION S.R. 21:2014 GUIDANCE ON THE USE OF I.S. EN 13242:2002 +A1:2007–AGGREGATES FOR UNBOUND AND HYDRAULICALLY BOUND MATERIALS FOR USE IN CIVIL ENGINEERING WORK AND ROAD CONSTRUCTION.
10. ALL FOUL SEWERS, MANHOLES, AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
11. ALL SURFACE WATER SEWERS, MANHOLES, AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH THE GRATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.



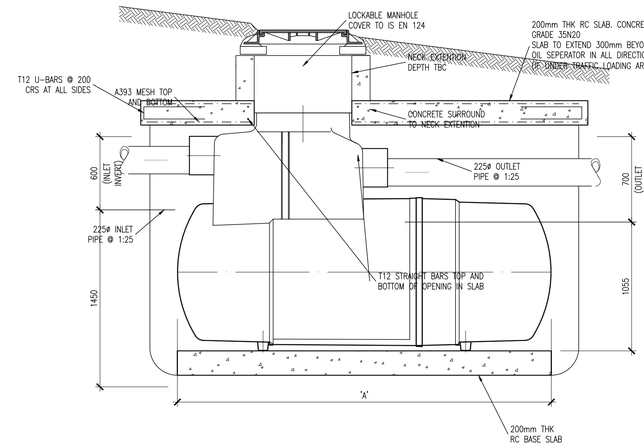
PLAN
SCALE 1:25



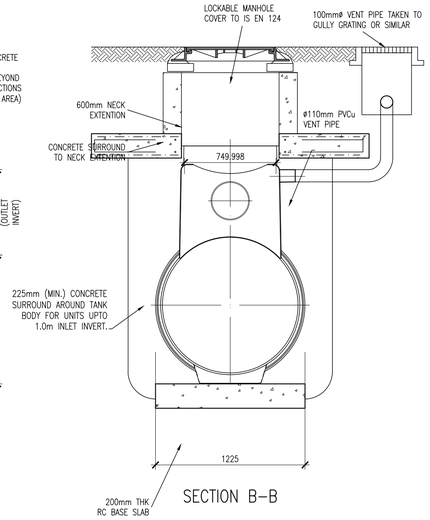
PLAN

DIMENSIONS

UNIT REF No.	NOMINAL FLOW	LENGTH	DIAMETER	STD. PIPEø	APPROX. EMPTY WEIGHT (KG)	FALL ACROSS UNIT
NSBP003	3 L/S	1700	1350	160	160	100
NSBP004	4.5 L/S	1700	1350	160	160	100
NSBP006	6 L/S	1700	1350	160	160	100
NSBE015	15 L/S	2947	1220	315	240	100
NSBE030	30 L/S	4265	1420	450		100



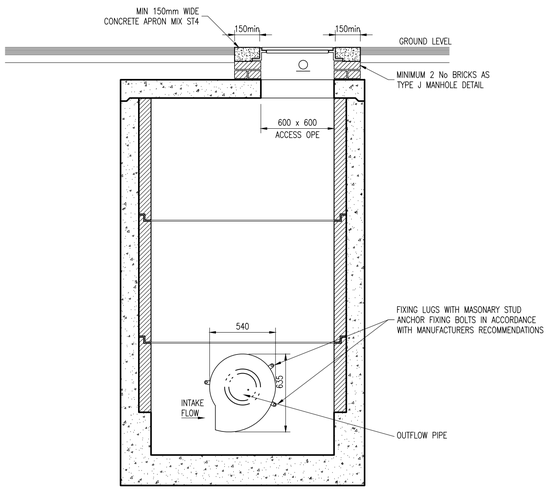
SECTION A–A



SECTION B–B

PETROL INTERCEPTOR DETAIL

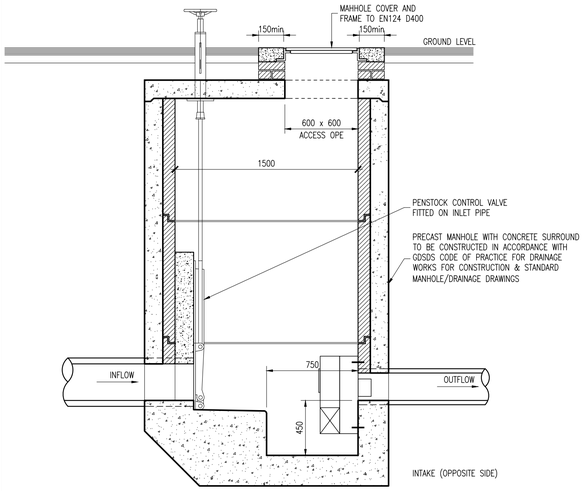
SCALE 1:25



SECTION A–A

FLOW CONTROL MANHOLE DETAIL

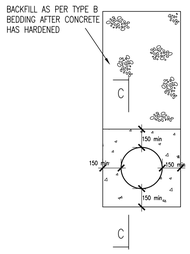
SCALE 1:25



SECTION B–B

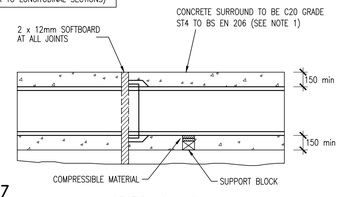
FLOW CONTROL MANHOLE DETAIL

SCALE 1:25



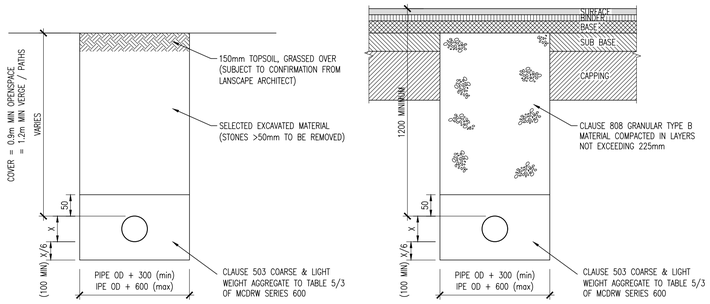
RIGID PIPES : SURROUND

CONCRETE BEDDING
TO BE USED WHERE COVER LESS THAN 1.2m AND / OR AS DIRECTED BY THE ENGINEER (REFER TO LONGITUDINAL SECTIONS)



SECTION C – C

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



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

PIPE OD = PIPE OVERALL DIMENSION

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

NOTES:

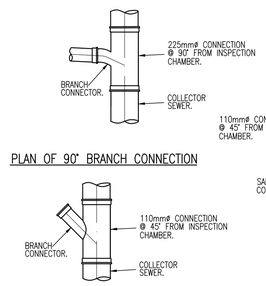
1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE (ø225 = 301mm, ø450 = 588mm & WIDER AT SOCKETS).
3. THE MINIMUM AND MAXIMUM WIDTH OF THE TRENCH APPLIES ON AND BELOW A LINE 300mm ABOVE THE OUTSIDE TOP OF THE PIPE. ABOVE THE 300mm LINE THE TRENCH BACKFILL MATERIAL SHALL BE AS PER TYPICAL TRENCH DETAILS.
4. BEDDING TO BE COMPACTED IN ACCORDANCE WITH SPECIFICATION & MANUFACTURERS RECOMMENDATIONS

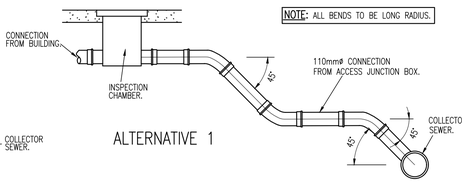
TYPE S
(COVER> 1.2 METRES TO CROWN)

NOTE:
FOR TRENCH BACKFILL/REINSTATEMENT DETAIL IN EXISTING ROADS REFER TO DRAWING 122018–3115

PIPE BEDDING DETAILS

SCALE 1:25





PIPE CONNECTION DETAILS

NTS

rev	date	description	by	chkd.
P01	08-01-21	STAGE 3 SHD PLANNING	JJB	AO'S

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

suitability: S0 - WORK IN PROGRESS
issue purpose: SHD STAGE 3 PLANNING

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project ref.
THE GROVE SHD – STUDENT ACCOMMODATION SCHEME

drawing title
TYPICAL DRAINAGE DETAILS SHEET 2

client
COLBEAM LIMITED

designed by	author	scale	sheet size
DCG	JJB	AS NOTED	A1

drawing no.: 200012-DBFL-CS-SP-DR-C-5002
revision: P01