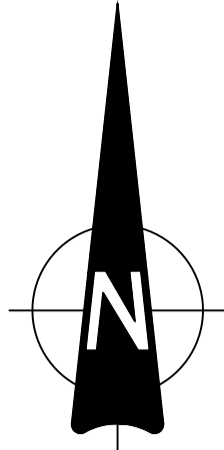
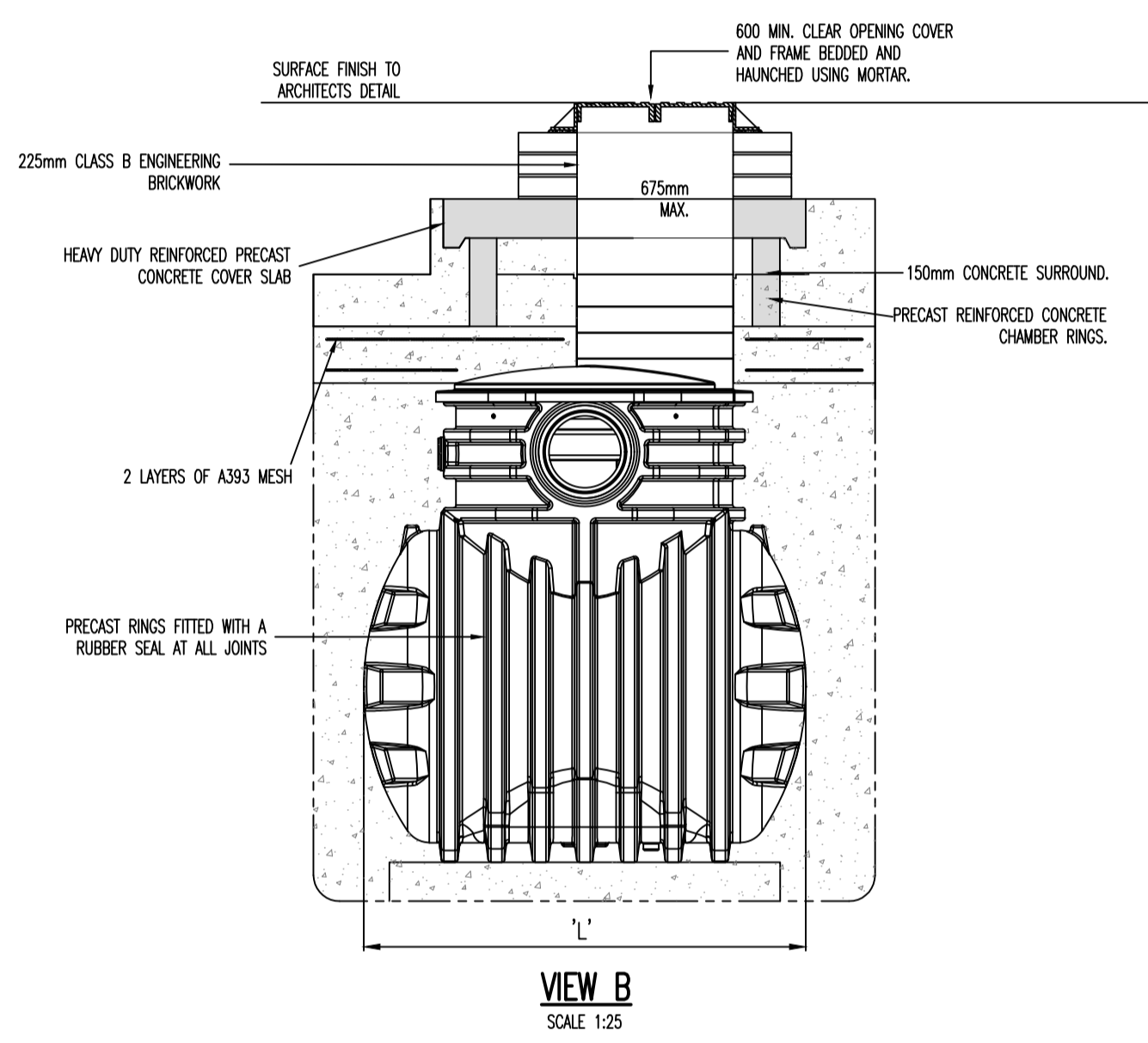
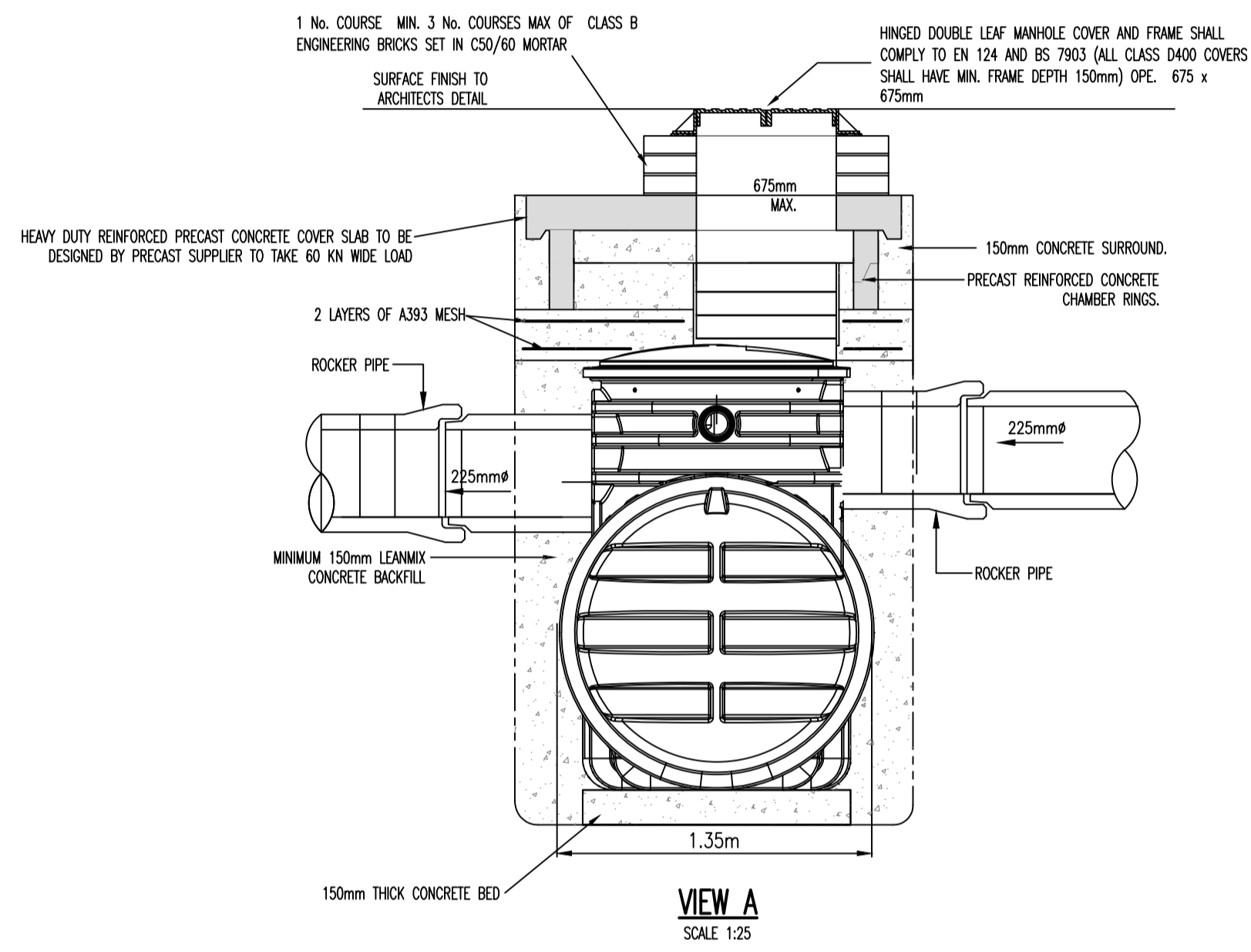
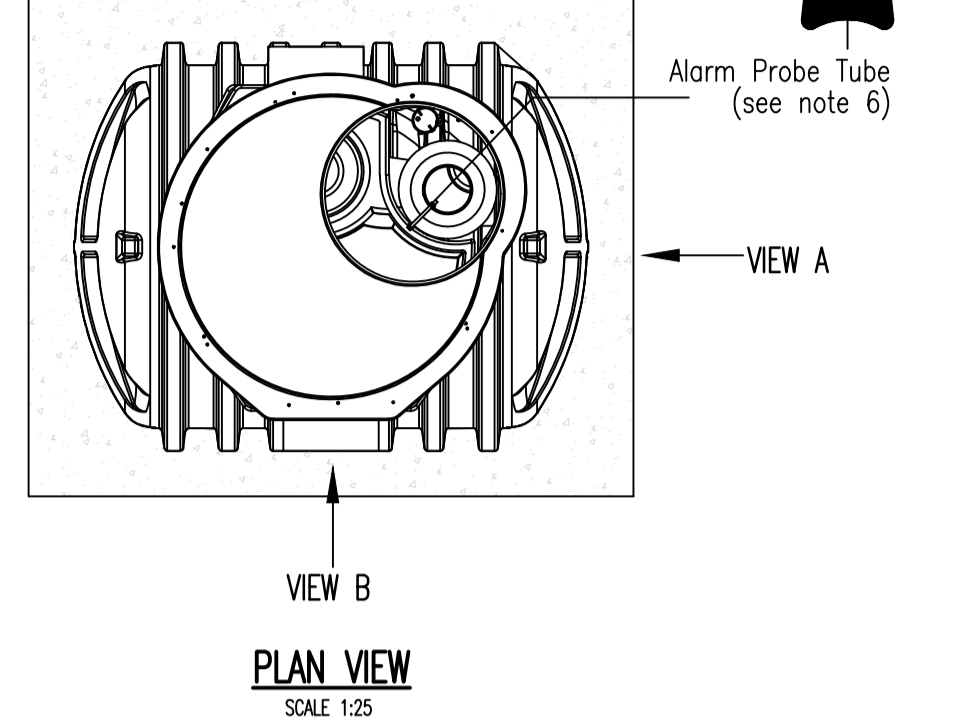


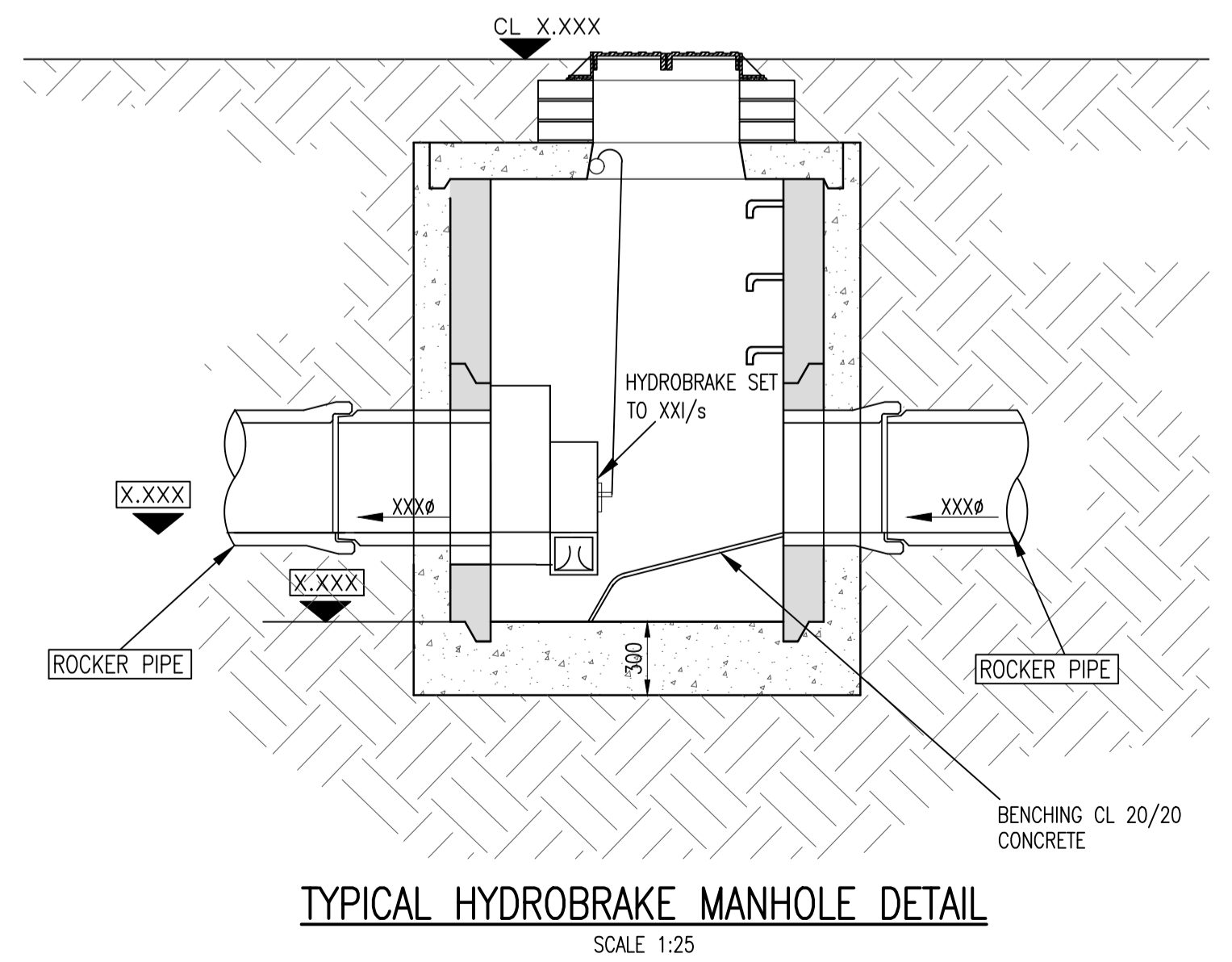
NOTES:
1. DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS.



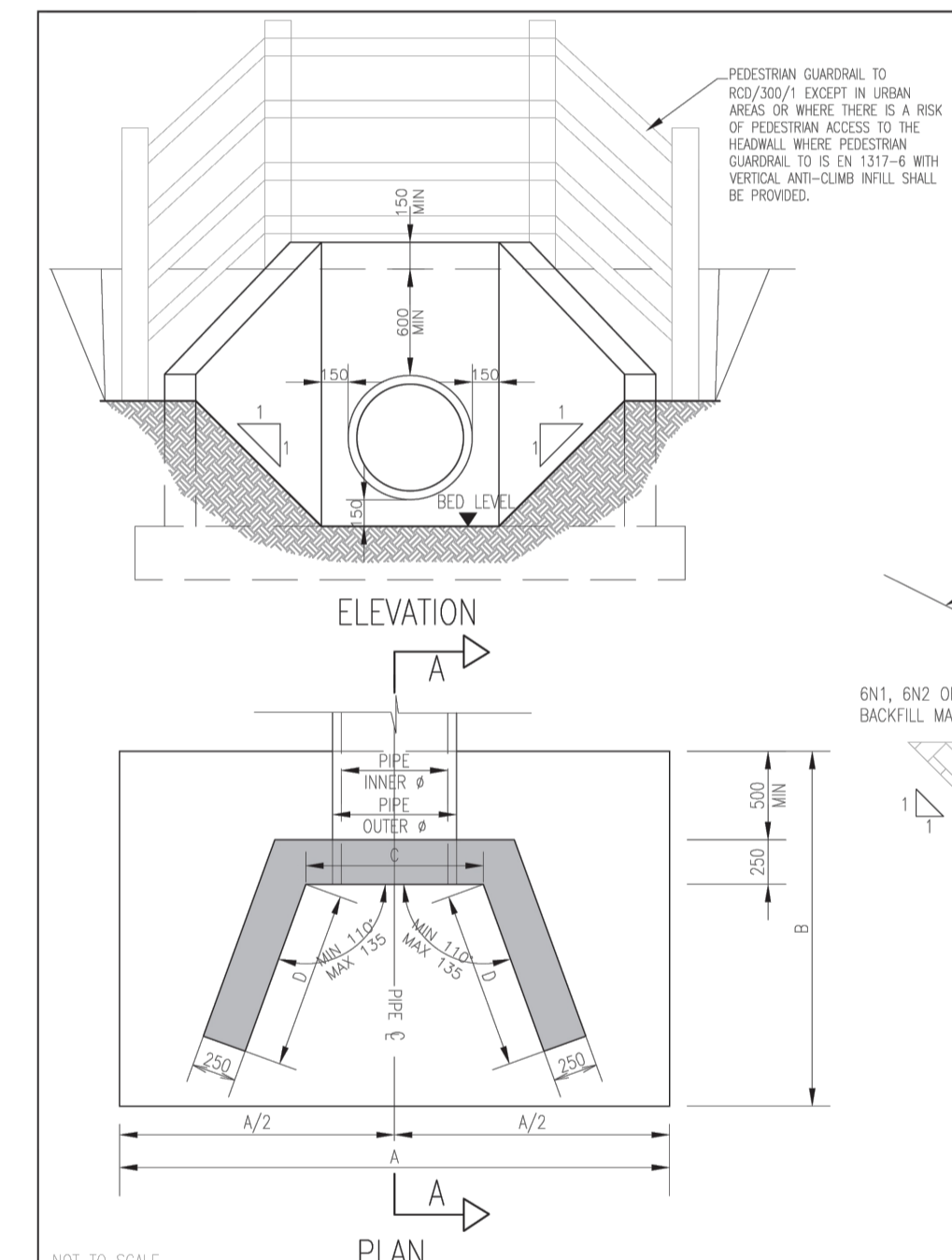
- Notes:-
- Inlet/Outlet pipes are plain pipe standard EN 858 states minimum connection sizes, units ordered with different sized connections are not fully compliant with the standard.
 - Extension necks for deeper inverts can be provided. These can be cut in 200 mm sections. Max 2.0m invert recommended. Please ask our sales department for further details.
 - All units require appropriate cover and frame to suit applied loadings.
 - This drawing should be used for dimensional information only. It is essential that this drawing is read in conjunction with the installation guidelines from the supplier. 76 mm tube (internal) is supplied to house an oil alarm probe.
 - Wet site conditions - Concrete Backfill Dry site conditions - Pea Shingle Backfill
 - A ϕ 76 mm tube (internal) is supplied to house an oil alarm probe.



TYPICAL DETAILS OF BYPASS PETROL INTERCEPTOR
SCALE 1:25



TYPICAL HYDROBRAKE MANHOLE DETAIL
SCALE 1:25



SCHEDULE OF MINIMUM DIMENSIONS						
PIPE INNER ϕ	A	B	C	D	E	F
<= 300	2000	2000	PIPE OUTER ϕ + 300	1000	400	500
301-400	2500	2500	PIPE OUTER ϕ + 300	1250	400	600
601-900	3200	3200	PIPE OUTER ϕ + 300	1550	500	700
901-1200	3900	3900	PIPE OUTER ϕ + 300	1850	500	800
1201-1500	4700	4700	PIPE OUTER ϕ + 300	2150	500	900
1501-1800	5200	5200	PIPE OUTER ϕ + 300	2350	500	1000

NOTES:
1. ALL DIMENSIONS ARE MILLIMETRES.
2. THIS BOX IS ONLY TO BE USED IN ASSOCIATION WITH A UNIQUE STRUCTURAL DESIGN. THIS DESIGN IS TO BE CARRIED OUT IN ACCORDANCE WITH THE NRA REQUIREMENTS FOR THE USE OF EUROCODES FOR THE DESIGN OF ROAD STRUCTURES.
3. REINFORCED CONCRETE SHALL BE A MINIMUM GRADE OF C32/40. ALL STRUCTURAL CONCRETE SHALL BE SPECIFIED IN ACCORDANCE WITH SERIES 1700 OF THE NRA MCDR01.
4. ALL FINISHING CONCRETE SHALL BE SET IN ACCORDANCE WITH IS EN 206.
5. THE MINIMUM COVER TO REINFORCEMENT FOR DURABILITY SHALL BE IN ACCORDANCE WITH NRA BS 57. MINIMUM EXPOSURE CLASS TO BE S4.
6. ANY RESIDUAL VOID BETWEEN THE OUTSIDE OF THE PIPE AND THE PIPE IN THE HEADWALL SHALL BE FILLED WITH NON-COMPRESSIBLE HIGH STRENGTH GROUT. UPWARDS ARE BOTH TO BE 1:1.
7. ALL EXPOSED CONCRETE SURFACES FROM 100mm BELOW GROUND LEVEL TO BE CLASS S4/F4 FINISH. ALL OTHER CONCRETE SURFACES TO BE CLASS U1/F1 FINISH UNLESS OTHERWISE SPECIFIED.
8. HEADWALLS SHALL BE SLOPED AND SHALL HAVE A MINIMUM HEIGHT OF 150mm ABOVE ADJACENT BACKFILL LEVEL.
9. REINFORCED CONCRETE BLOCKWORK MAY BE USED AS AN ALTERNATIVE TO IN-SITU OR PRECAST CONCRETE FOR PIPES UP TO 300mm INNER DIAMETER.
10. ALL HEADWALLS SHALL BE BACKFILLED WITH CLASS S4/F4 FINISH OR 6P BACKFILL MATERIAL. HEADWALLS SHALL BE FOUND ON A MINIMUM 75mm LAYER OF ST2 BLENDED CONCRETE. DETAILS OF THE SUB-BASE LAYER TO BE CONFIRMED BASED ON SITE CONDITIONS.
11. ROCK ARMOUR AND/OR CARBON HEADWALLS AND WINGWALLS ARE PROHIBITED.

TII PUBLICATION NUMBER: CC-SCD-00553
G.A. OF FORMED HEADWALLS
150 - 1800 DIAMETER PIPES

NRA An tSúil agus an tAisíne Naisiúnta National Road Authority	ROAD CONSTRUCTION DETAILS	DRAINAGE	P4	03/15	Drawing No. RCD/ 500/53
			P3	01/09	
			P2	10/07	
			Issue	Date	

Rev	Date	Description	By	CHK

Project
**PROPOSED RESIDENTIAL DEVELOPMENT
AT OLD SLANE ROAD,
DROGHEDA CO. LOUTH**

Title
**STORMWATER DRAINAGE CONSTRUCTION
DETAILS SHEET 2 OF 2**

Client
LAGAN HOMES TULLYALLEN LTD.



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Status
PLANNING

Designed By	NS	Approved	MD	Waterman Ref	23-067
Drawn By	NS	Date	AUGUST 2025	Scales @ A1	AS SHOWN

Project	Originator	Volume	Level	Type	Role	Number	Revision
OSR-WMC-PH3-00-DR-C-4221							-

