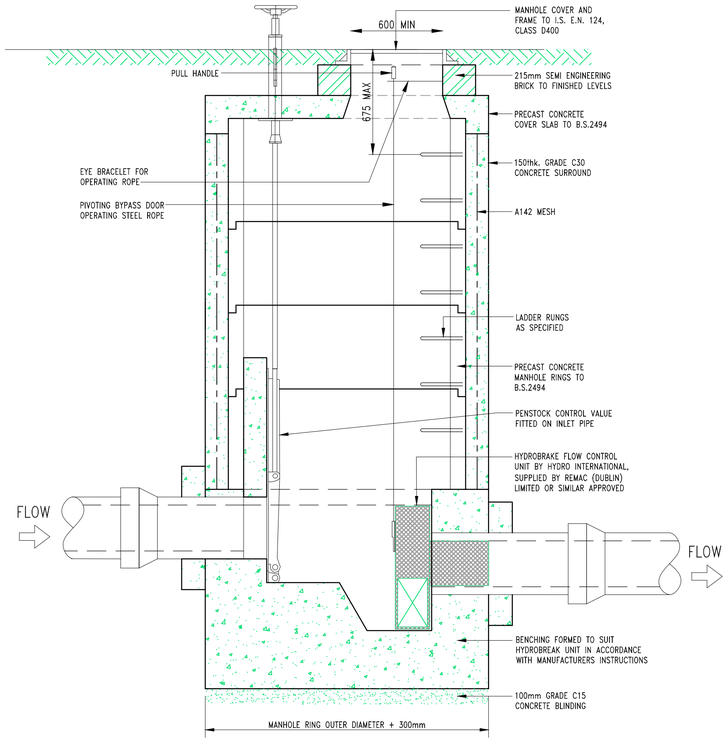
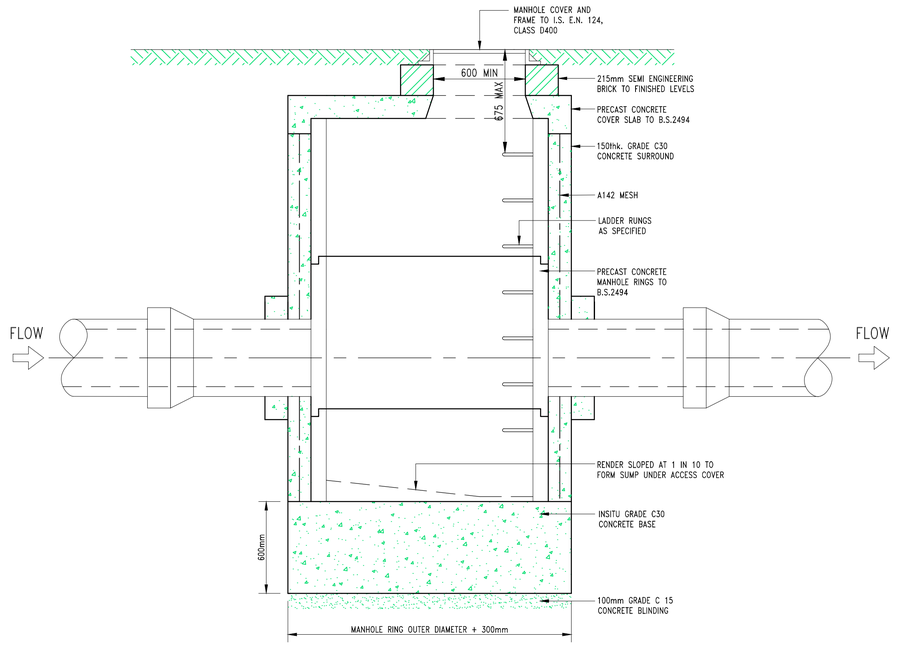
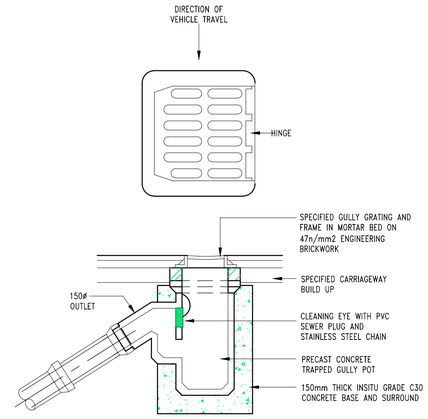


HYDROBRAKE CHAMBER
MAX. DEPTH G.L. TO I.L. – 3.0m
SCALE 1:20



TYPICAL CATCH PIT
MAX. DEPTH G.L. TO I.L. – 3.0m
SCALE 1:20



PRECAST CONCRETE TRAPPED GULLY POT
SCALE 1:25

NOTES :

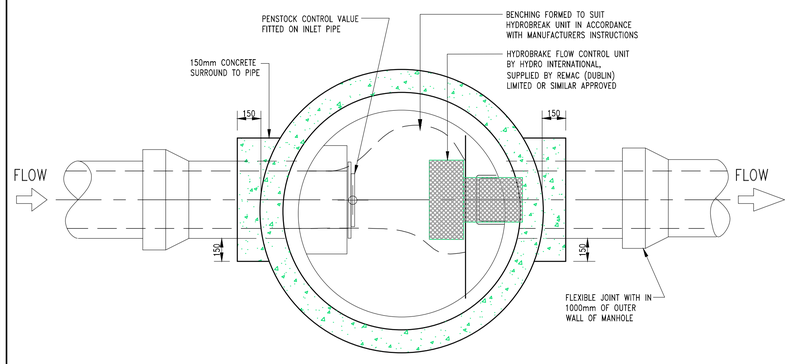
1. DO NOT SCALE FROM THIS DRAWING USE STATED DIMENSIONS ONLY. IF IN DOUBT CONSULT THE ENGINEER.
2. LEVELS REFER TO O.S. DATUM MALIN HEAD.
3. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL COMPLY WITH I.S. 420 :1989.
4. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL BE INSTALLED COMPLETE WITH TYPE 2 RUBBER GASKETS AND JOINTING RINGS WHICH COMPLY WITH B.S. 2494.
5. CONCRETE TO MANHOLE BASES AND SURROUNDS SHALL BE GRADE C30. SURROUND SHALL BE A MINIMUM OF 150mm THICK AND CONTAIN ONE LAYER OF A142 REINFORCEMENT MESH.
6. BLINDING CONCRETE SHALL BE GRADE C15. BLINDING SHALL BE A MINIMUM THICKNESS OF 100mm.
7. SAND CEMENT RENDER 25mm THICK SHALL BE APPLIED TO THE BENCHING AND CHANNEL WITH A STEEL TROWEL FINISH.
8. LADDER RUNGS SHALL BE P.V.C. COATED STEEL. FOR MANHOLES WITH A DEPTH TO INVERT GREATER THEN 4.0m USE GRADE 316 STAINLESS STEEL LADDERS.
9. DROP PIPE WORK SHALL BE SIZED IN ACCORDANCE WITH TABLE NO. 1. WHERE THE CONNECTION < 1.0m ABOVE INVERT USE RAMP CONNECTION, WHERE CONNECTION IS > 1.0m ABOVE INVERT USE DROP CONNECTION.
10. MANHOLE COVERS AND FRAMES SHALL COMPLY WITH I.S. E.N. 124, AND SHALL BE CLASS D400 WITH A CIRCULAR OPENING OF 600mm MINIMUM AND A SQUARE FRAME.
11. SUITABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 1000mm OF THE OUTER FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
12. SEMI ENGINEERING BRICK SHALL BE GRADE 47N/mm².
13. FOR ALL INLETS, OUTLETS AND BRANCHES MATCH CROWN LEVELS UNLESS INDICATED OTHERWISE ELSEWHERE.
14. STORMCELL STORM WATER ATTENUATION SYSTEM SHALL BE SUPPLIED BY HYDRO INTERNATIONAL/REMAC DUBLIN LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
15. HYDROBRAKE FLOW CONTROL SYSTEM SHALL BE SUPPLIED BY HYDRO INTERNATIONAL/REMAC DUBLIN LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
16. TIDEFLEX VALVES BY REDVALVE USA SHALL BE SUPPLIED BY MYTEC LIMITED OR SIMILAR APPROVED. THE VALVES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
17. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.

TABLE NO. 1

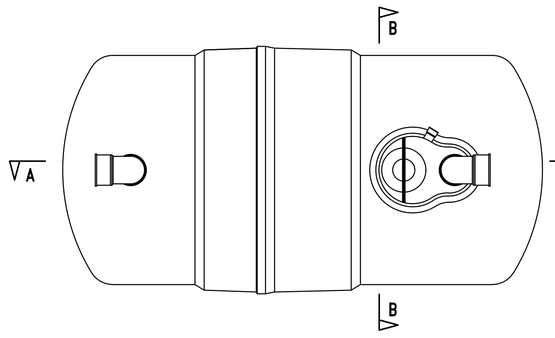
DX	DY
mm	mm
100	100
150	150
225	225
300	225
375	225
450	300
525	300
600	375

TABLE NO. 2

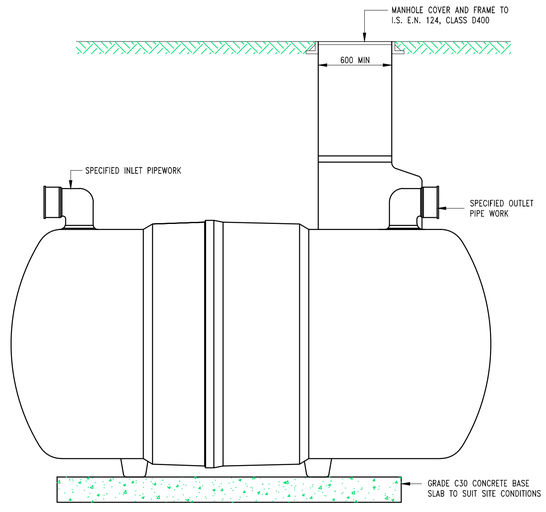
ø OF LARGEST PIPE IN MH (mm)	INTERNAL ø OF MH (mm)
LESS THEN 375	1050
375	1200
450	1200
525	1500
600	1500
750	1800
900	1800
1050	2100
1200	2100



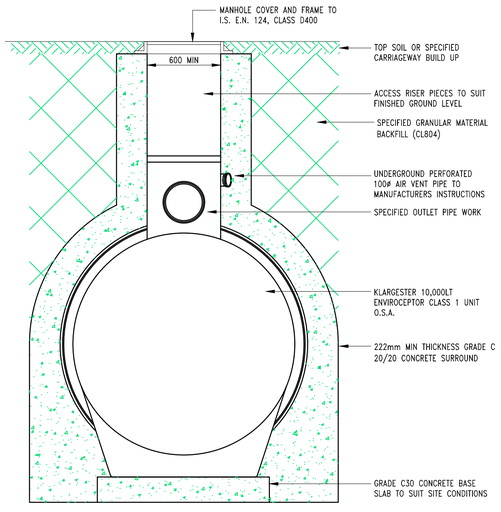
PLAN ON HYDROBRAKE CHAMBER
MAX. DEPTH G.L. TO I.L. –3.0m
SCALE 1:20



KLARGESTER CLASS 1 INTERCEPTOR (O.S.A.) PLAN VIEW
SCALE 1:25



KLARGESTER CLASS 1 INTERCEPTOR (O.S.A.) SECTION A–A
SCALE 1:25



KLARGESTER CLASS 1 INTERCEPTOR (O.S.A.) SECTION B–B
SCALE 1:25

Notes:
For setting out refer to Architect's drawings.
This drawing shall be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
DO NOT SCALE FROM THIS DRAWING. Use figured dimensions only.
Verify dimensions on site and report any discrepancies to the author immediately.
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Rev	Drn	Chkd	Amendments	Date
P03	DG	AS	ISSUED FOR PLANNING	22/04/2022
P02	EM	AS	ISSUED FOR PLANNING	11/04/2022
P01	dg	AS	ISSUED FOR PLANNING	28/03/2022

Rev	Drn	Chkd	Amendments	Date

FOR PLANNING

Drawing Sheet Size A1

Architect	HORAN RAINSFORD ARCHITECTS
Project :	SANDYFORD ROAD SHD
Title :	SITE DRAINAGE - PROPOSED DETAILS SHEET 1
Drg No :	S047-TCE-ZZ-ZZ-DR-C-0014
Revision :	P03
Scale :	-
Date :	24/03/2022
Status :	-
Drn By :	DG
Chkd By :	AS
Aprvd By :	KM

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