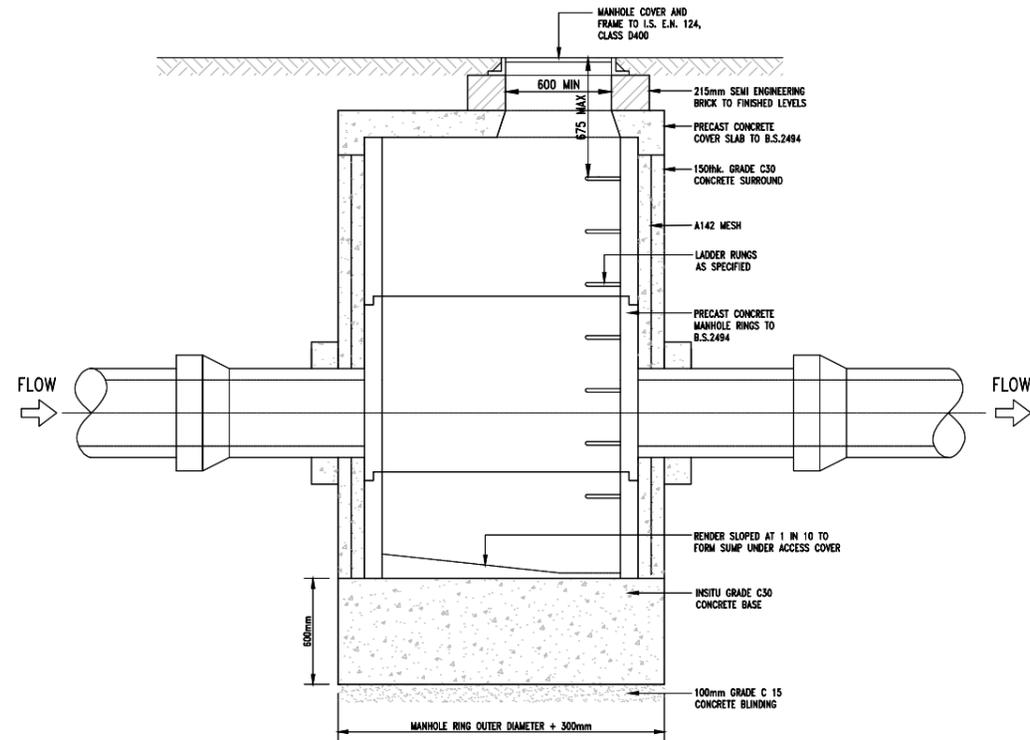


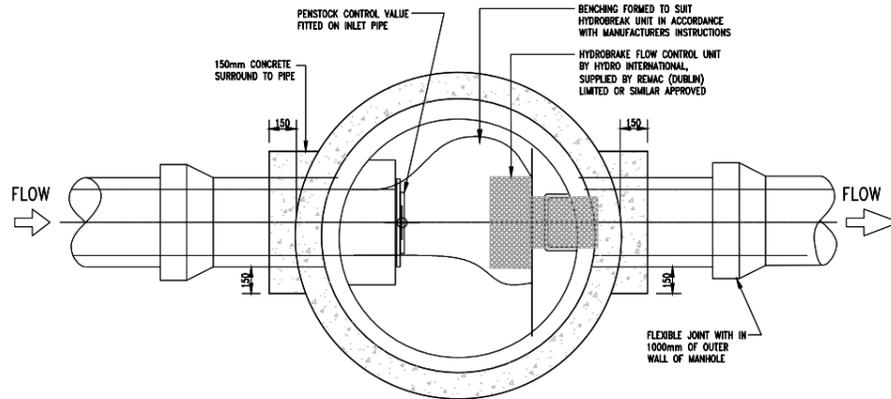
HYDROBRAKE CHAMBER
MAX. DEPTH G.L. TO I.L. - 3.0m
SCALE 1:20



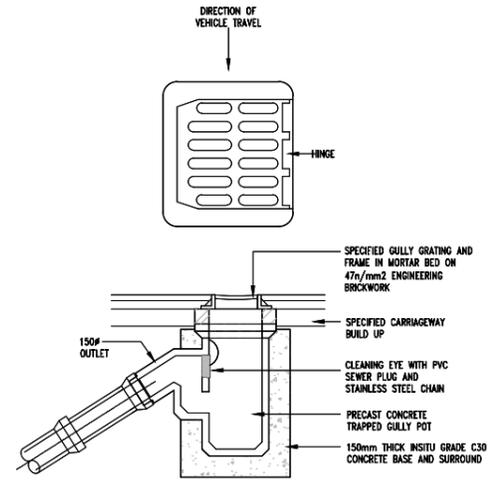
TYPICAL CATCH PIT
MAX. DEPTH G.L. TO I.L. - 3.0m
SCALE 1:20

- NOTES :**
- DO NOT SCALE FROM THIS DRAWING USE STATED DIMENSIONS ONLY. IF IN DOUBT CONSULT THE ENGINEER.
 - LEVELS REFER TO O.S. DATUM MALIN HEAD.
 - PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL COMPLY WITH I.S. 420 :1989.
 - 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.
 - 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.
 - BLINDING CONCRETE SHALL BE GRADE C15. BLINDING SHALL BE A MINIMUM THICKNESS OF 100mm.
 - SAND CEMENT RENDER 25mm THICK SHALL BE APPLIED TO THE BENCHING AND CHANNEL WITH A STEEL TROWEL FINISH.
 - 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.
 - 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.
 - 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.
 - SUITABLE SHORT LENGTHS OF PIPE OR ROCKER PIPES SHALL BE INSTALLED TO PROVIDE A FLEXIBLE JOINT WITHIN 1000mm OF THE FACE OF THE MANHOLE ON ALL SEWERS AND BRANCHES.
 - SEMI ENGINEERING BRICK SHALL BE GRADE 47N/mm².
 - FOR ALL INLETS, OUTLETS AND BRANCHES MATCH CROWN LEVELS UNLESS INDICATED OTHERWISE ELSEWHERE.
 - 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.
 - 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.
 - TIDEFLEX VALVES BY REDVALVE USA SHALL BE SUPPLIED BY HYTEC LIMITED OR SIMILAR APPROVED. THE VALVES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.

TABLE NO. 1		TABLE NO. 2	
DX	DY	# OF LARGEST PIPE IN MH (mm)	INTERNAL # OF MH (mm)
100	100	LESS THEN 375	1050
150	150	375	1200
225	225	450	1200
300	225	525	1500
375	225	600	1500
450	300	750	1800
525	300	900	1800
600	375	1050	2100
		1200	2100



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



PRECAST CONCRETE TRAPPED GULLY POT
SCALE 1:25

Notes:
For setting out refer to Architects 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	Dm	Chkd	Amendments	Date
P02	DCS	JDP	ISSUED FOR PLANNING	17/03/2025
P01	DCS	JDP	ISSUED FOR PLANNING	25/02/2025

Rev	Dm	Chkd	Amendments	Date

FOR PLANNING

Drawing Sheet Size: A1

Architect	DONNELLY TURPIN ARCHITECTS		
Project	MIXED USE DEVELOPMENT BELGARD SQ. EAST, BELGARD RD, TALLAGHT		
Title	SITE DRAINAGE - PROPOSED DETAILS SHEET 1		
Drg No	S058-TCE-B1-ZZ-DR-S-S-505	Revision	P01
Scale	AS SHOWN	Date	17/03/2025
Dm By	EL	Chkd By	JDP
		Aprvd By	KM

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