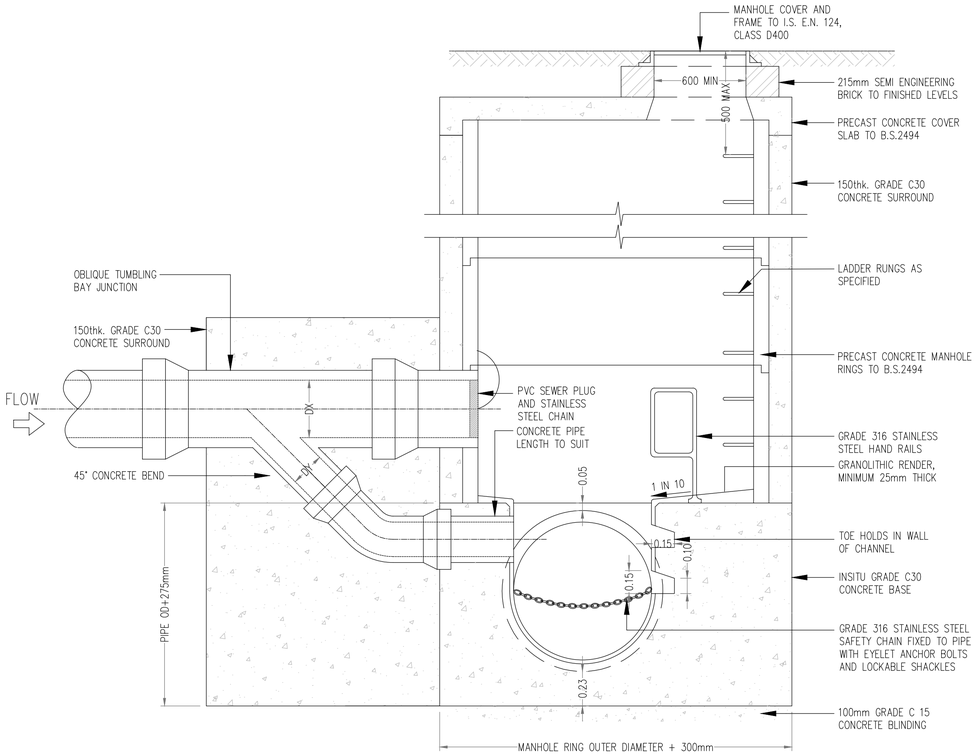
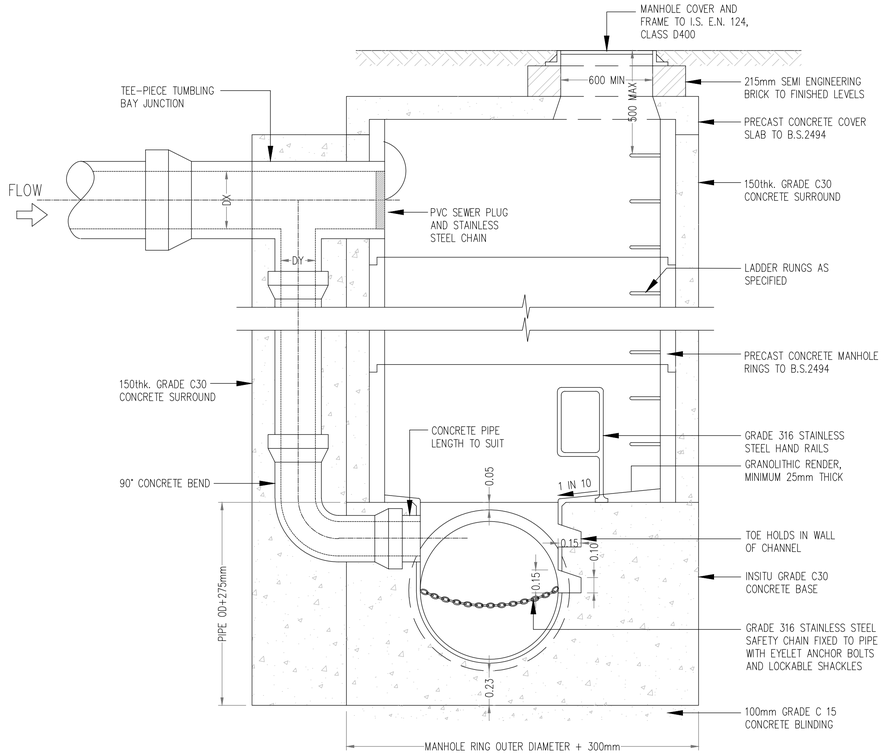


MANHOLE TYPE 1
TYPICAL DROP CONNECTION DETAIL
SCALE 1:25



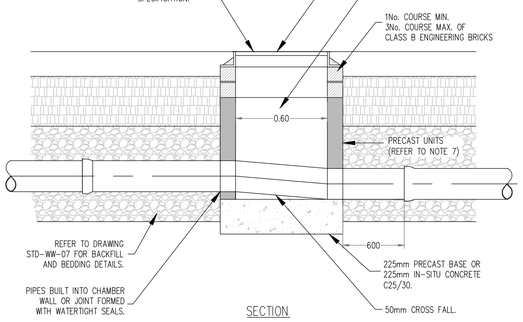
MANHOLE TYPE 1
TYPICAL DROP CONNECTION DETAIL
SCALE 1:25

NOTES :

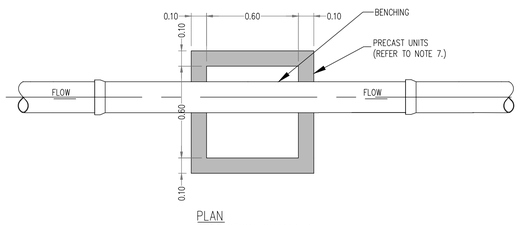
1. DO NOT SCALE FROM THIS DRAWING USE STATED DIMENSIONS ONLY. IF IN DOUBT CONSULT THE ENGINEER.
2. LEVELS REFER TO O.S. DATUM MALIN HEAD.
3. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL COMPLY WITH I.S. 420 :1989.
4. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL BE INSTALLED 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. GRADE 316 STAINLESS STEEL SAFETY CHAINS SHALL BE PROVIDED AT THE MOUTH OF ALL OUTLET PIPES LARGER THAN 450ø. CHAINS SHALL BE FIXED TO BOLT ON EYELETS BY MEANS OF LOCKABLE SHACKLES.
18. 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



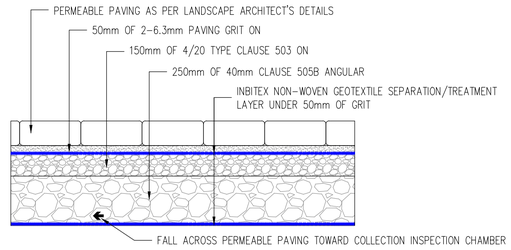
SECTION



PLAN
INSPECTION CHAMBER
(PRECAST CONCRETE CONSTRUCTION)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. AN INSPECTION CHAMBER SHOULD BE LOCATED AT OR WITHIN 1m OF THE PROPERTY BOUNDARY AT THE UPSTREAM END OF EACH SERVICE CONNECTION ON THE PRIVATE SIDE OF THE CURTILAGE, IF PRACTICABLE.
3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SEWER IS A PRIVATE DRAIN AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.
4. ACCESS POINTS SHOULD BE LOCATED SO THAT THEY ARE ACCESSIBLE AND APPARENT TO THE MAINTAINER AT ALL TIMES FOR USE. THEY SHOULD AVOID REAR GARDENS OR ENCLOSED LOCATION S AND THEY SHOULD NEVER BE OVERLAIN WITH SURFACE DRESSING, TOPSOIL, ETC.
5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO APPROVAL FROM IRISH WATER.
6. 200mm ALL AROUND, 100mm DEEP CONCRETE PLINTH WITH PROTECTIVE STAINLESS STEEL METAL BAND AROUND COVERS IN GREEN AREAS.
7. PROPRIETY PREFABRICATED CHAMBER UNITS MAY ALSO BE USED SUBJECT TO APPROVAL FROM IRISH WATER.
8. CONCRETE CHAMBER SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL AS PER STD-WW-07.



TYPICAL PERMEABLE PAVING BUILDUP DETAIL
NTS

NOTE:

SPECIFICATION FOR SUB-BASE AND LAYING COURSE:-THE CRUSHED STONE MUST POSSESS WELL DEFINED EDGES AND HAVE A MINIMUM 10% FINES VALUE OF 150KN WHEN TESTED IN ACCORDANCE WITH BS812 PART III.

SIEVE SIZE	% PASSING
100mm	100
63mm	90-100
37.5mm	60-80
20mm	15-30
10mm	0-5

PLANNING DRAWING
NOT FOR CONSTRUCTION.
ALL LEVELS GIVEN ARE RELATIVE TO ORDNANCE DATUM.
THIS DRAWING HAS BEEN ISSUED FOR INFORMATION PURPOSES ONLY AND MUST NOT BE USED FOR CONSTRUCTION UNDER ANY CIRCUMSTANCES.

NOTES

1. For setting out refer to Architect's drawings.
2. This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.
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REV	DESCRIPTION	DRN. BY	CHK. BY	DATE
P01	ISSUED FOR PLANNING	SC	LJ	26.03.2026
P02	ISSUED IN DRAFT FOR REVIEW	SC	LJ	26.06.2026
P03	ISSUED FOR INFORMATION	SC	LJ	03.07.2026
P04	ISSUED FOR INFORMATION	SC	LJ	24.07.2026
P05	ISSUED FOR FINAL PLANNING DRAFT	SC	LJ	14.08.2026
P06	ISSUED FOR PLANNING	SC	LJ	17.08.2026

PROJECT	RESIDENTIAL DEVELOPMENT AT SUMMERHILL RD,
CLIENT	SOLKERRY VENTURES LTD.
JOB No.	D144
DRAWING No.	D144-CSC-XX-XX-DR-C-0015
STATUS	STATUS S2 - Suitable for Information
TITLE	STORM WATER DRAINAGE DETAILS SHEET 2

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DRAWN BY	CHECKED BY	REVISION
SC	LJ	P06
	SCALE	DATE
	NA	Mar. '26

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