



- NOTES:**
1. DO NOT SCALE FROM THIS DRAWING USE STANDARD DIMENSIONS ONLY. IF IN DOUBT CONSULT THE ENGINEER.
 2. LEVELS REFER TO U.S. DATUM MAIN HEAD.
 3. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL COMPLY WITH U.S. 1209-1389.
 4. PRECAST MANHOLE RINGS, COVER SLABS AND REDUCING SLABS SHALL BE INSTALLED COMPLETE WITH TYPE 2 RUBBER GASKETS AND JOINTING RINGS WHICH COMPLY WITH U.S. 2454.
 5. CONCRETE TO MANHOLE BASES AND SURROUND SHALL BE GRADE C30. SURROUND SHALL BE A MINIMUM OF 150mm THICK AND CONTAIN ONE LAYER OF #14/2 REINFORCING 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 10 INVERT GREATER THEN 4.0m USE GRADE 316 STAINLESS STEEL LADDER.
 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 U.S. EN. 124, AND SHALL BE CLASS D400 WITH A CIRCULAR OPENING OF 600mm AND MANHOLE 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 SIZES AND BRANCHES.
 12. SEW ENGINEERING BROOK SHALL BE GRADE 47m/m.
 13. FOR ALL INLETS, OUTLETS AND BRANCHES MATCH CROWN LEVELS UNLESS INDICATED OTHERWISE.
 14. STONCELL STORM WATER ATTENUATION SYSTEM SHALL BE SUPPLIED BY THE SUPPLIER INTERNATIONAL/REMAC DUBAI LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
 15. HYDROFORM FLOW CONTROL SYSTEM SHALL BE SUPPLIED BY HYDRO INTERNATIONAL/REMAC DUBAI LIMITED OR SIMILAR APPROVED. THE SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
 16. TIEBACK VALVES BY REDWAVE USA SHALL BE SUPPLIED BY MYTEC LIMITED OR SIMILAR APPROVED. THE VALVES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
 17. GRADE 316 STAINLESS STEEL SAFETY CHAINS SHALL BE PROVIDED AT ALL INLETS AND OUTLETS. THE CHAINS SHALL BE 400 CHAINS SHALL BE FIXED TO BOLT ON EYELETS BY MEANS OF LOCKABLE SADDLES.
 18. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATION.

TABLE NO. 1		TABLE NO. 2	
DX mm	DY mm	Ø OF LARGEST PIPE IN MH (mm)	INTERNAL Ø 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

D116

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

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. No.	Date	REVISION NOTE	Drn. By	Chkd. By
P1	10.01.2025	DRAFT Issue to EIAR Coordinator	SC	JF
P2	21.02.2025	DRAFT Issue to EIAR Coordinator	SCC	JF
P3	24.02.2025	DRAFT Planning Pack	SC	JF
P4	12.03.2025	Issued for Irish Water Design Acceptance	SC	JF
P5	31.03.2025	Issued for Planning	SC	JF

Architect	DTA				
Project	Kishoge Part 10 Application				
Title	Site 4 Proposed Drainage Details Sheet 1 of 4				
Dwg. No.	KSG4-CSC-XX-XX-DR-C-0005				
Date	Drawn by	Checked by	Approved by	Scale	Revision
Sept. '24	SC	JF	OS	AS SHOWN @ A1	P5

	Quality	I.S.
	Environment	I.S.
	Energy	I.S.
	Health & Safety	I.S.

