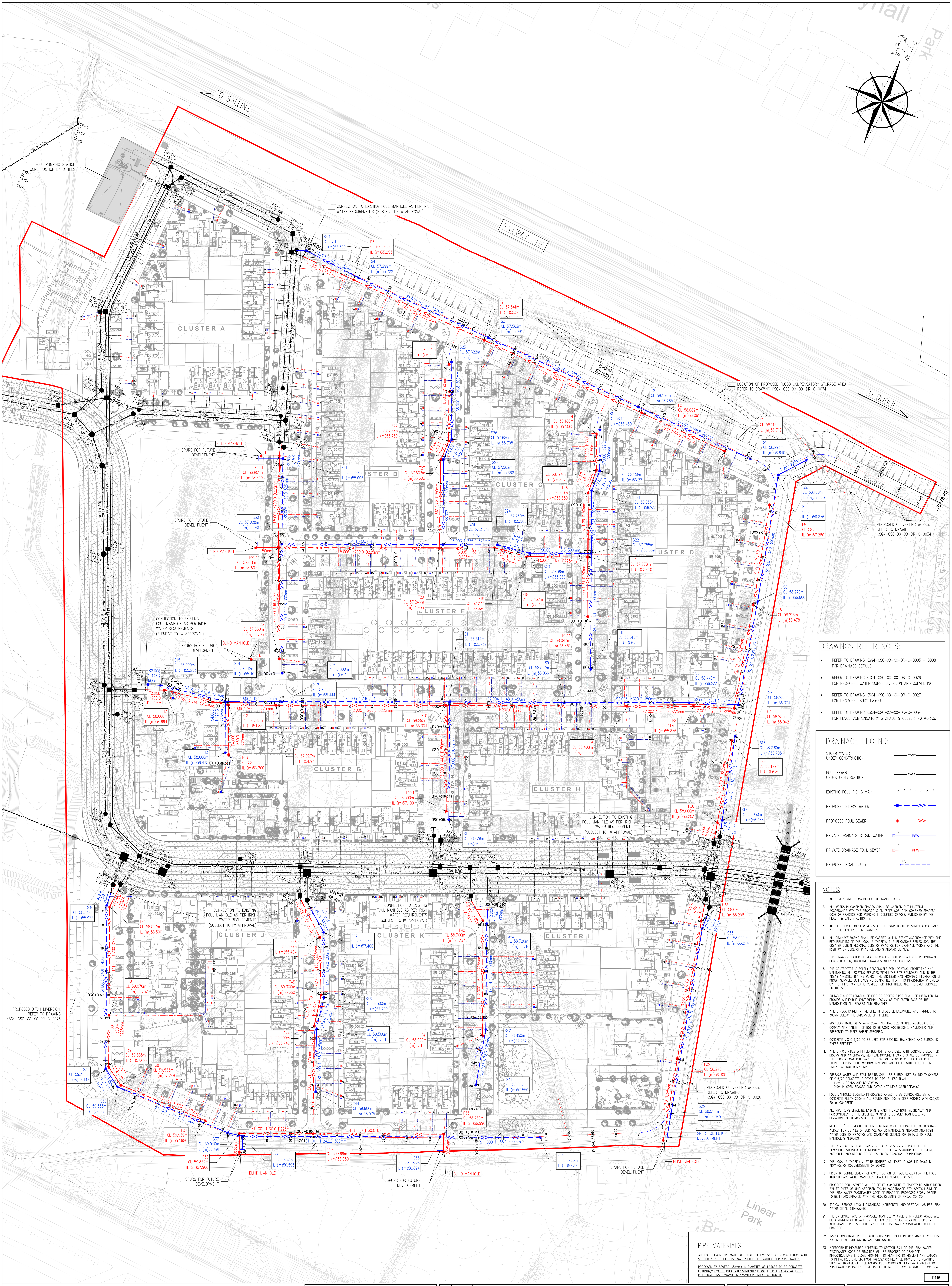

DRAWINGS REFERENCES:

- REFER TO DRAWING KSG4-CSC-XX-XX-DR-C-0005 – 0008 FOR DRAINAGE DETAILS.
- REFER TO DRAWING KSG4-CSC-XX-XX-DR-C-0026 FOR PROPOSED WATERCOURSE DIVERSION AND CULVERTING.
- REFER TO DRAWING KSG4-CSC-XX-XX-DR-C-0027 FOR PROPOSED SUDS LAYOUT.
- REFER TO DRAWING KSG4-CSC-XX-XX-DR-C-0034 FOR FLOOD COMPENSATORY STORAGE & CULVERTING WORKS.

DRAINAGE LEGEND:

STORM WATER UNDER CONSTRUCTION	EX-SW
FOUL SEWER UNDER CONSTRUCTION	EX-FS
EXISTING FOUL RISING MAIN	
PROPOSED STORM WATER	
PROPOSED FOUL SEWER	
PRIVATE DRAINAGE STORM WATER	I.C. PSW
PRIVATE DRAINAGE FOUL SEWER	I.C. PFW
PROPOSED ROAD GULLY	RG

NOTES:

1. ALL LEVELS ARE TO MALIN HEAD ORDNANCE DATUM.
2. ALL WORKS IN CONFINED SPACES SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE PROVISIONS ON "SAFE WORK" "IN CONFINED SPACES" CODE OF PRACTICE FOR WORKING IN CONFINED SPACES, PUBLISHED BY THE HEALTH & SAFETY AUTHORITY.
3. ALL SITE DEVELOPMENT WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE CONSTRUCTION DRAWINGS.
4. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY, TII PUBLICATIONS SERIES 500, THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS AND THE IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS.
5. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTATION, INCLUDING DRAWINGS AND SPECIFICATIONS.
6. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR LOCATING, PROTECTING AND MAINTAINING ALL EXISTING SERVICES WITHIN THE SITE BOUNDARY AND IN THE AREAS AFFECTED BY THE WORKS. THE ENGINEER HAS PROVIDED INFORMATION ON KNOWN SERVICES BUT GIVES NO GUARANTEE THAT THIS INFORMATION PROVIDED BY THE THIRD PARTIES, IS CORRECT OR THAT THESE ARE THE ONLY SERVICES ON THE SITE.
7. 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.
8. WHERE ROCK IS MET IN TRENCHES IT SHALL BE EXCAVATED AND TRIMMED TO 300MM BELOW THE UNDERSIDE OF PIPELINE.
9. GRANULAR MATERIAL 5mm – 20mm NOMINAL SIZE GRADED AGGREGATE (TO COMPLY WITH TABLE 1 OF B5) TO BE USED FOR BEDDING, HAUNCHING AND SURROUND TO PIPES WHERE SPECIFIED.
10. CONCRETE MIX C16/20 TO BE USED FOR BEDDING, HAUNCHING AND SURROUND WHERE SPECIFIED.
11. WHERE RIGID PIPES WITH FLEXIBLE JOINTS ARE USED WITH CONCRETE BEDS FOR DRAINS AND WATERMAINS, VERTICAL MOVEMENT JOINTS SHALL BE PROVIDED IN THE BEDS AT MAX INTERVALS OF 5.0M AND ALIGNED WITH FACE OF PIPE SOCKET. JOINTS TO BE MINIMUM 12m WIDE AND FILLED WITH FLEXCELL OR SIMILAR APPROVED MATERIAL.
12. SURFACE WATER AND FOUL DRAINS SHALL BE SURROUNDED BY 150 THICKNESS OF C16/20 CONCRETE IF COVER TO PIPE IS LESS THAN:–
    –1.2m IN ROADS AND DRIVEWAYS
    –0.9m IN OPEN SPACES AND PATHS NOT NEAR CARRIAGEWAYS.
13. FOUL MANHOLES LOCATED IN GRASSED AREAS TO BE SURROUNDED BY A CONCRETE PLINTH 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 20mm CONCRETE.
14. ALL PIPE RUNS SHALL BE LAID IN STRAIGHT LINES BOTH VERTICALLY AND HORIZONTALLY TO THE SPECIFIED GRADIENTS BETWEEN MANHOLES. NO DEVIATIONS OR BENDS SHALL BE PERMITTED.
15. REFER TO "THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS" FOR DETAILS OF SURFACE WATER MANHOLE STANDARDS AND IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS FOR DETAILS OF FOUL MANHOLE STANDARDS..
16. THE CONTRACTOR SHALL CARRY OUT A CCTV SURVEY REPORT OF THE COMPLETED STORM & FOUL NETWORK TO THE SATISFACTION OF THE LOCAL AUTHORITY AND REPORT TO BE ISSUED ON PRACTICAL COMPLETION.
17. THE LOCAL AUTHORITY MUST BE NOTIFIED AT LEAST 10 WORKING DAYS IN ADVANCE OF COMMENCEMENT OF WORKS.
18. PRIOR TO COMMENCEMENT OF CONSTRUCTION OUTFALL LEVELS FOR THE FOUL AND SURFACE WATER MANHOLES SHALL BE VERIFIED ON SITE.
19. PROPOSED FOUL SEWERS WILL BE EITHER CONCRETE, THERMOSTATIC STRUCTURED WALLED PIPES OR UNPLASTICISED PVC IN ACCORDANCE WITH SECTION 3.13 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE. PROPOSED STORM DRAINS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF FINGAL CO. CO.
20. TYPICAL SERVICE LAYOUT DISTANCES (HORIZONTAL AND VERTICAL) AS PER IRISH WATER DETAIL STD–WW–05
21. THE EXTERNAL FACE OF PROPOSED MANHOLE CHAMBERS IN PUBLIC ROADS WILL BE A MINIMUM OF 0.5m FROM THE PROPOSED PUBLIC ROAD KERB LINE IN ACCORDANCE WITH SECTION 1.23 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE
22. INSPECTION CHAMBERS TO EACH HOUSE/UNIT TO BE IN ACCORDANCE WITH IRISH WATER DETAIL STD–WW–02 AND STD–WW–03.
23. APPROPRIATE MEASURES ADHERING TO SECTION 3.21 OF THE IRISH WATER WASTEWATER CODE OF PRACTICE WILL BE PROVIDED TO DRAINAGE INFRASTRUCTURE IN CLOSE PROXIMITY TO PLANTING TO PREVENT ANY DAMAGE TO INFRASTRUCTURE VIA ROOT INGRESS OR NEGATIVE IMPACTS TO PLANTING SUCH AS DAMAGE OF TREE ROOTS. RESTRICTION ON PLANTING ADJACENT TO WASTEWATER INFRASTRUCTURE AS PER DETAIL STD–WW–06 AND STD–WW–06A.

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PIPE MATERIALS

ALL FOUL SEWER PIPE MATERIALS SHALL BE PVC SN8 OR IN COMPLIANCE WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE FOR WASTEWATER.

PROPOSED SW SEWERS 450mmø IN DIAMETER OR LARGER TO BE CONCRETE ISEN1916(2002), THERMOSTATIC STRUCTURED WALLED PIPES (TWIN WALL) TO PIPE DIAMETERS 225mmø OR 375mø OR SIMILAR APPROVED.

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. 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	SC	JF
P3	24.02.2025	DRAFT Planning Pack	SC	JF
P4	12.03.2025	Issued for Irish Water Design Acceptance	SC	JF
P5	24.03.2025	Updated to IW SODA Comments	JF	OS
P6	31.03.2025	Issued for Planning	SC	JF
P7	03.04.2025	Issued for Planning	SC	JF

Architect	DTA
Project	Kishoge Part 10 Application
Title	Site 4 Proposed Drainage Layout
Dwg. No.	KSG4-CSC-XX-XX-DR-C-0004

Date	Drn by	Chkd by	Aprvd by	Scale	Revision
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