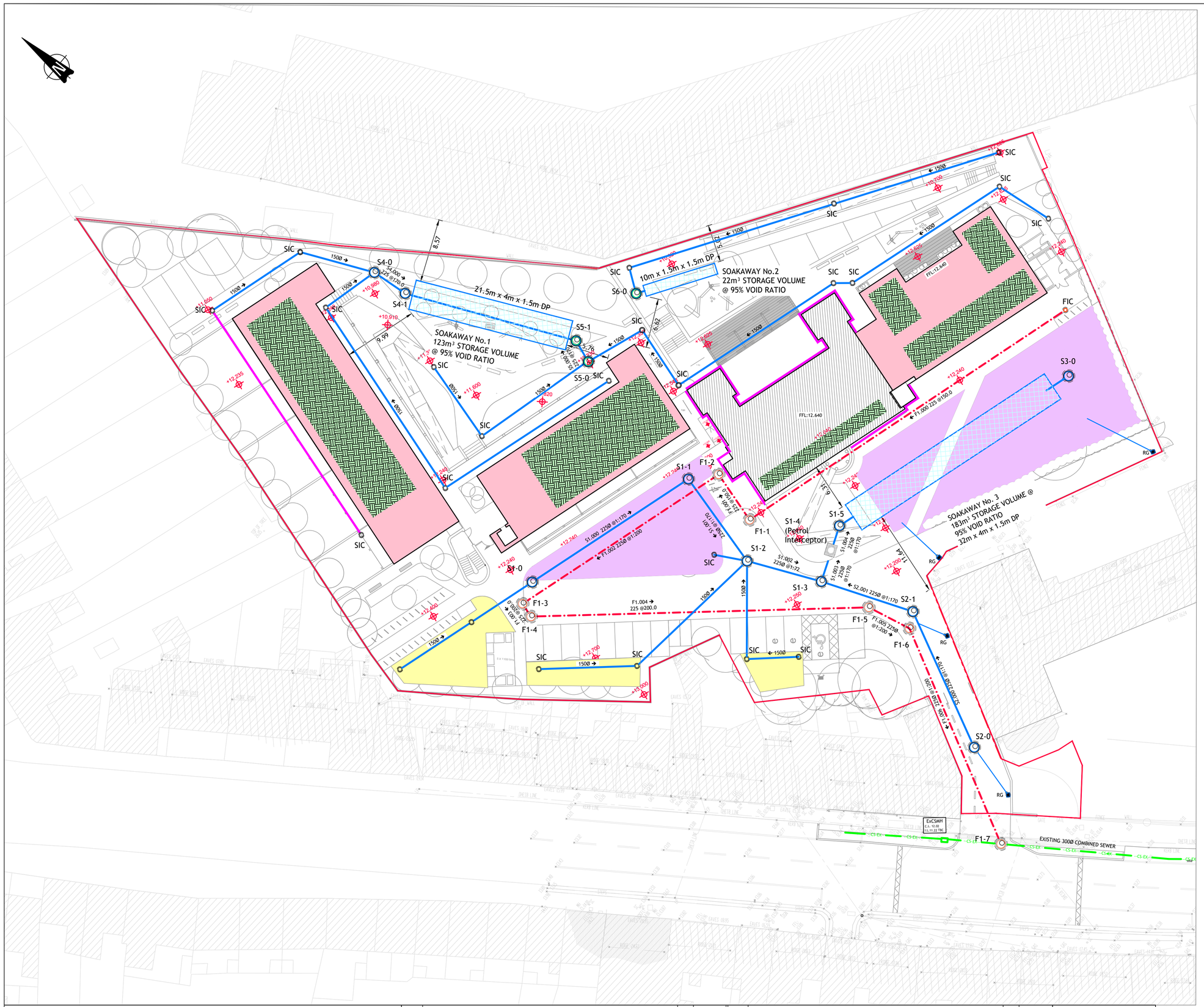

LEGEND:

EXISTING COMBINED SEWER	CS-EX 150 CS-EX
PROPOSED FOUL SEWER	F1.001 150
PROPOSED FOUL MANHOLE	F1-0
PROPOSED FOUL INSPECTION CHAMBER	FIC1-0
PROPOSED SURFACE WATER SEWER	S1.001 150
PROPOSED SURFACE WATER MANHOLE	S1-0
PROPOSED SURFACE WATER INSPECTION CHAMBER	SIC1-0
PROPOSED PETROL INTERCEPTOR	
PROPOSED SOAKAWAY	
PROPOSED BIO-DIVERSE GREEN ROOF	
PROPOSED BIO RETENTION AREA	
PROPOSED BIO RETENTION TREE PITS	
PROPOSED GULLY	RG
PROPOSED FILTER DRAIN	
SITE BOUNDARY	
PROPOSED BUILDING /EXTENSION	
EXISTING BUILDING	

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECT'S DRAWINGS. FIGURED DIMENSIONS ONLY TO BE USED - NO SCALING.
2. EXACT INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE PRIOR TO CONSTRUCTION OF NEW FOUL SEWERS.
3. THE DESIGN OF THE FOUL SEWERS IS BASED ON A ROUGHNESS COEFFICIENT OF 1.5mm AND SURFACE WATER SEWERS ON A ROUGHNESS COEFFICIENT OF 0.6mm.
THE PROPOSED FOUL DRAINAGE SYSTEM FOR THE NEW DEVELOPMENT WILL DISCHARGE INTO THE EXISTING COMBINED SEWER AS SHOWN ON THE LAYOUT ON EVERGREEN ROAD. LOCATION AND INVERT LEVELS OF EXISTING (OR PROPOSED) MANHOLES OR OUTFALL POINTS TO BE VERIFIED PRIOR TO COMMENCEMENT OF CONSTRUCTION OF PROPOSED DRAINAGE NETWORK.
4. ALL COVER LEVELS ARE INDICATIVE AND THE FINAL COVER LEVELS TO MATCH FINISHED LANDSCAPE/PATH/ROAD LEVELS.
5. ALL LEVELS OF PIPES TO BE CHECKED AND VERIFIED PRIOR TO WORK COMMENCING ON SITE.
6. THE DISTANCE FROM THE FINAL ACCESS JUNCTION TO THE CONNECTION TO THE MAIN DRAIN TO BE A MAXIMUM OF 12m.
7. THE CONNECTION OF THE BRANCH DRAINS TO MAIN DRAINS SHOULD BE MADE AT A MANHOLE WHERE POSSIBLE. SADDLES SHOULD NOT BE USED ON PIPES OF 100mm DIAMETER, NOR TO CONNECT PIPES OF THE SAME DIAMETER.
8. ALL PIPES SHOULD HAVE FLEXIBLE JOINTS FORMED BY A METHOD RECOMMENDED BY THE PIPE MANUFACTURER.
9. MANHOLE COVERS AND FRAMES (TO COMPLY WITH THE REQUIREMENTS OF IS EN 124):

CLASS	LOCATION
D 400	ROADWAYS, HARDSHOULDERS, VEHICULAR ACCESSES
B 125	FOOTWAYS, GRASS VERGES
A 15	AREAS INACCESSIBLE TO MOTOR VEHICLES

10. ALL FOUL BRANCH CONNECTIONS FROM ACCESS JUNCTIONS (AJ'S) TO BE 100mmØ uPVC PIPES AT A GRADIENT OF 1:60
11. ALL SURFACE WATER BRANCH CONNECTIONS FROM ACCESS JUNCTIONS (AJ'S) TO BE 150mmØ uPVC PIPES AT A GRADIENT OF AND 1:100.
12. THE TYPE OF PIPE AND FITTINGS TO BE USED TO BE uPVC UNLESS OTHERWISE STATED BY ENGINEER.
13. TRENCH WIDTH AT THE LEVEL OF THE TOP OF THE PIPE SHOULD GENERALLY BE AS NARROW AS SAFE WORKING CONDITIONS WOULD ALLOW, WITH A MINIMUM WIDTH OF 300mm PLUS THE EXTERNAL DIAMETER OF THE PIPE BARREL.
14. FLEXIBLE PIPES SHOULD BE LAID WITH A MINIMUM COVER OF 1.2m IN ROADS AND DRIVEWAYS, 0.9m IN OPEN SPACES AND FOOTPATHS NOT ADJACENT TO ROADWAYS AND 0.6m IN LANDSCAPED AREAS. WHERE IT IS NOT POSSIBLE TO ACHIEVE THESE MINIMUM COVERS, ADDITIONAL MEASURES SHOULD BE TAKEN IN ORDER TO PROTECT PIPEWORK. DETAILS SHOULD BE AGREED WITH THE ENGINEER PRIOR TO CONSTRUCTING THE PIPELINE.
15. ALL WORKS WILL BE CARRIED OUT IN CONJUNCTION WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER STANDARD DETAILS FOR WASTEWATER. THESE DETAILS TO APPLY TO SURFACE WATER INFRASTRUCTURE UNLESS OTHERWISE STATED.
16. SOAKAWAYS TO HAVE A MINIMUM SEPARATION DISTANCE OF 5m FROM ANY EXISTING OR PROPOSED BUILDING.

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COLOUR DRAWING

BUILDING INFORMATION MODELLING (BIM) I.S. EN ISO 19650-2:2018 NSAI Certified

Rev	Amendment	By	Date	Rev	Amendment	By	Date
P01	FOR PLANNING REVIEW	LL	16.10.2024				
P02	SOAKAWAYS REVISED, FILTER DRAIN ADDED AROUND EXISTING BUILDING	LL	05.02.2025				
C01	ISSUE FOR PLANNING	LL	06.03.2025				
C02	UPDATED ISSUE FOR PLANNING	LL	10.04.2025				
C03	UPDATED ISSUE FOR PLANNING	LL	06.08.2025				
C04	UPDATED ISSUE FOR PLANNING	LL	22.09.2025				

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Project: REFUGE CENTRE TURNER'S CROSS, CORK
Title: PROPOSED DRAINAGE LAYOUT

Drawn:	Date drawn:	Technician Check:	Engineer Check:	Approved:
Liam Lonergan	08.10.2024	Drazen Trkulja	Drazen Trkulja	Cian Murphy

Project No:	Model Ref:	Drawing Status:
244110	244110-PUNCH-XX-XX-M2-C-0101	A0 (Planning)

Scale @ A1:	Document No:	Revision No:
1:250	244110-PUNCH-XX-XX-DR-C-0101	C04