

STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Downstream Manhole Invert	Cover	Manhole Dia. (mm)	
1.000	225	215	uPVC	45.673	S1	73.153	74.585	S2	72.941	75.440	1200
1.001	225	215	uPVC	64.730	S2	72.941	75.440	S3	72.640	74.601	1200
1.002	300	250	uPVC	35.290	S3	72.565	74.601	S4	72.424	74.325	1200
1.003	225	215	uPVC	41.571	S4	72.424	74.325	S5	72.231	74.300	1200
1.004	225	215	uPVC	35.957	S5	72.231	74.300	S6	72.064	74.300	1200
1.005	225	215	uPVC	12.623	S6	72.064	74.300	ExS7	72.005	74.097	1200
2.000	300	250	uPVC	6.593	S8	72.591	74.700	S3	72.565	74.601	1200

FOUL Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Downstream Manhole Invert	Cover	Manhole Dia. (mm)	
1.000	150	60	uPVC	51.015	F1	74.618	75.575	F2	73.768	74.700	1200
1.001	150	60	uPVC	9.206	F2	73.768	74.700	ExF3	73.615	74.420	1200

FOUL Network 2											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole Invert	Cover	Downstream Manhole Invert	Cover	Manhole Dia. (mm)	
2.000	150	60	uPVC	36.522	F4	73.451	74.543	ExF5	72.842	74.265	1200

GENERAL NOTES:

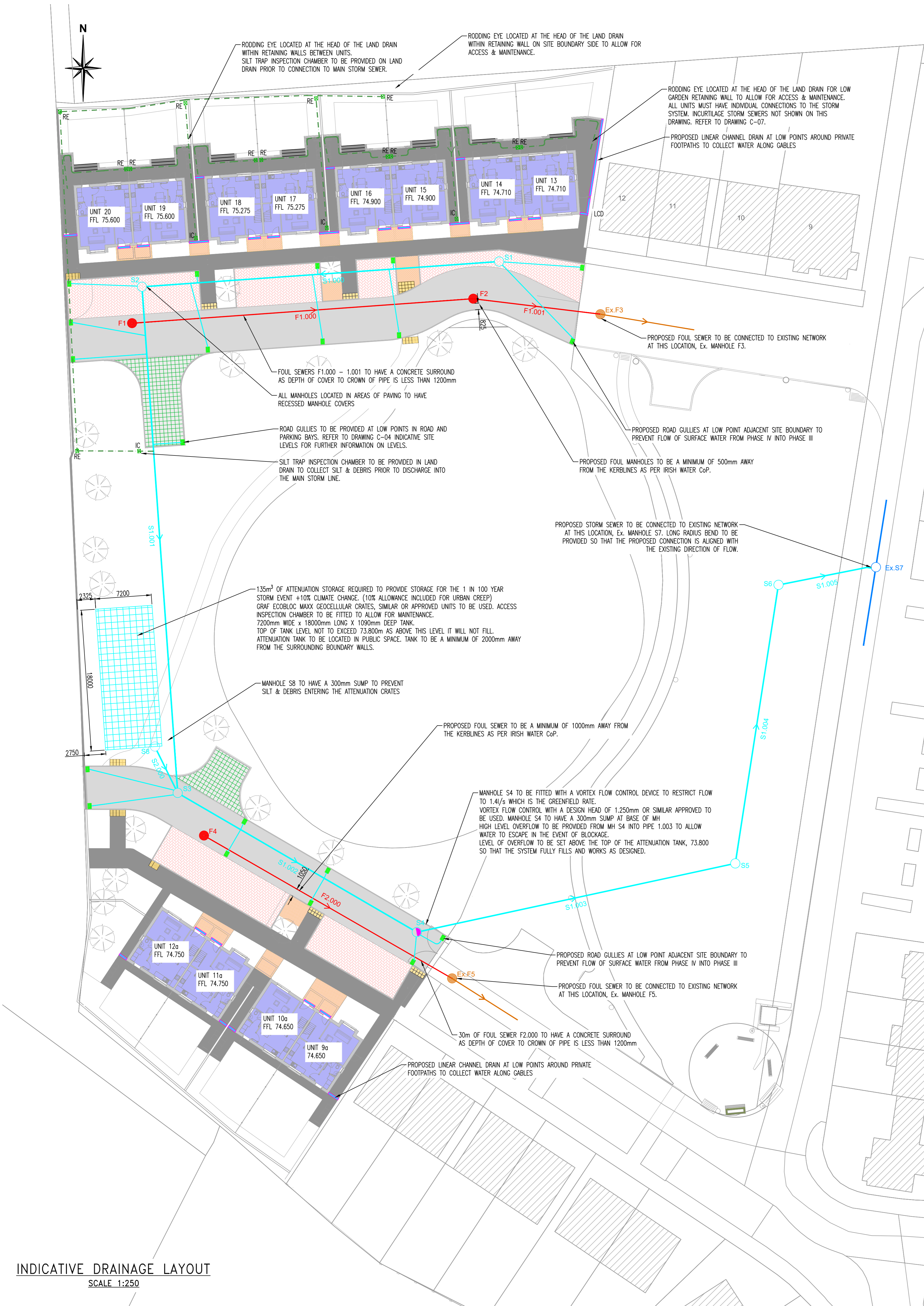
1. ALL DIMENSIONS AND LEVELS TO BE VERIFIED ON SITE PRIOR TO COMMENCEMENT OF THE WORKS. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT ARCHITECT'S AND OTHER ENGINEERING DRAWINGS.

DRAINAGE NOTES:

1. ALL FOUL DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATERS REQUIREMENTS AND THEIR CONSTRUCTION DETAIL IW-CDS-5030-03 JULY 2020.
2. ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH "WESTMEATH COUNTY DEVELOPMENT PLAN", "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 6TH EDITION" AND "GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS".
3. ALL DRAINAGE CONNECTIONS FROM BUILDINGS TO CONFIRM TO THE BUILDING REGULATIONS 2010, PART H.
4. CLASS E BEDDING TO ALL PIPES WITH COVER GREATER THAN 1.2m UNDER ROAD AND 0.9m UNDER OTHER AREAS.
5. THERMOPLASTIC STRUCTURED WALL PIPES SHALL COMPLY WITH THE PROVISIONS OF IS EN 13476 (2007 / 2009) AND WITH WIS 4-35-01 (2000). PIPES TO BE STIFFNESS CLASS (SN8) 8kN/m² AND TO BE CAPABLE OF DEMONSTRATING A JETTING RESISTANCE OF 2600PSI (180 BAR) WITHOUT DAMAGE IN ACCORDANCE WITH SECTION 3.13.3 OF IW-CDS-5030. (PIPE DIAMETERS 150mm UP TO 450mm)
6. CONCRETE BED AND SURROUND TO PIPES WITH COVER LESS THAN 1.2m UNDER ROADS AND 0.9m UNDER OTHER AREAS.
7. LADDERS ARE REQUIRED IN MANHOLES WHERE THE DEPTH FROM COVER LEVEL EXCEEDS 3.0m
8. ALL ABANDONED PIPE RUNS AND MANHOLES TO BE BROKEN OUT AND BACKFILLED WITH 15/20M LEAN MIX CONCRETE.
9. ALL ROAD GULLIES AND MANHOLE COVERS TO BE TO EN 124 D400 IN ROADS AND B125 IN ALL OTHER PAVED AREAS, FOOTPATHS AND LANDSCAPED AREAS.
10. ALL MANHOLE / INSPECTION CHAMBER COVERS IN PAVED AREAS ARE TO HAVE RECESSED MANHOLE COVERS

DRAINAGE LAYOUT LEGEND

- PROPOSED uPVC STORM SEWER & 1200mm diameter MH
- PROPOSED uPVC FOUL SEWER & 1200mm diameter MH
- PROPOSED STORM MANHOLE WITH VORTEX FLOW CONTROL
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- PROPOSED 150mm diameter LAND DRAIN WITH RODDING EYE / INSPECTION CHAMBER
- PROPOSED ROAD GULLY
- PROPOSED ATTENUATION CELLULAR STORAGE
- PROPOSED LINEAR CHANNEL DRAIN



INDICATIVE DRAINAGE LAYOUT
SCALE 1:250

B	08.11.23	UPDATED WITH LATEST SITE LAYOUT	FM	MK
A	06.11.23	UPDATED AS PER WMCC COMMENTS	FM	MK
REV	DATE	DESCRIPTION	BY	APPR

DRAWING STATUS:
TENDER

CLIENT:
WESTMEATH COUNTY COUNCIL

JOB DESCRIPTION:
CONSTRUCTION OF 12 HOUSES AT BUNDAIRE, KINNEGAD PHASE IV

DRAWING TITLE:
INDICATIVE DRAINAGE LAYOUT

PROJECT No.:	P-3744	DRAWING No.:	C-02
		REV. No.:	B

SCALE:	1:250	SHEET:	A1	DATE:	26.10.23
DRAWN BY:	PHCG	CHECKED BY:	AKK	APPROVED BY:	PHCA

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