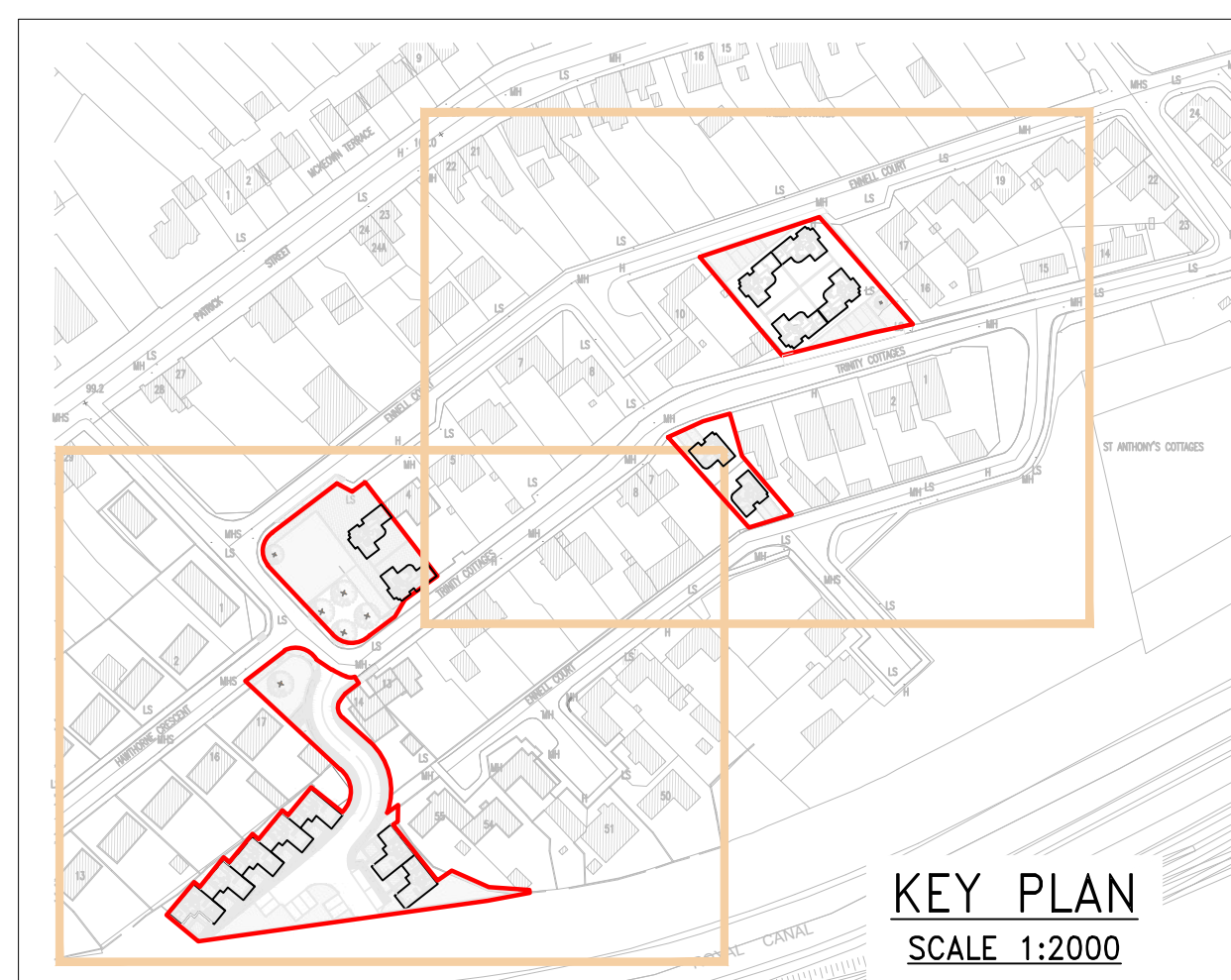
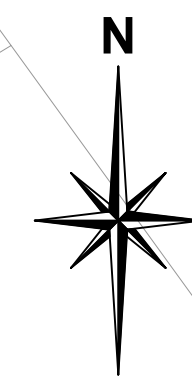


STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole		Downstream Manhole		Manhole Dia. (mm)	
						Invert	Cover	Invert	Cover		
1.000	225	100	uPVC	16.016	S1	95.619	97.200	S2	95.459	97.100	1200
1.001	225	100	uPVC	13.135	S2	95.459	97.100	S3	95.328	97.045	1200
1.002	225	100	uPVC	16.039	S3	95.328	97.045	S4	95.166	96.975	1200
1.003	225	40	uPVC	8.240	S4	95.166	96.975	S5	94.960	96.800	1200
1.004	225	60	uPVC	8.110	S5	94.960	96.800	S6	94.825	96.805	1200
1.005	225	100	uPVC	5.472	S6	94.825	96.805	S7	94.770	96.935	1200
2.000	225	100	uPVC	28.734	S8	95.453	97.031	S4	95.166	96.975	1200
3.000	225	170	uPVC	3.599	S10	94.846	96.850	S6	94.825	96.805	1200

FOUL Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Number	Upstream Manhole		Downstream Manhole		Manhole Dia. (mm)	
						Invert	Cover	Invert	Cover		
1.000	225	60	uPVC	11.296	F1	94.957	97.042	F2	94.769	96.983	1200
1.001	225	60	uPVC	36.571	F2	94.769	96.983	F3	94.159	97.050	1200
1.002	300	238	uPVC	15.483	F3	94.084	97.050	F4	94.019	97.000	1200
1.003	300	234	uPVC	3.738	F4	94.019	97.000	F5	94.003	97.108	1200
2.000	225	60	uPVC	15.548	F6	95.028	96.942	F2	94.769	96.983	1200
3.000	300	244	uPVC	4.645	F7	94.378	97.100	F8	94.359	97.100	1200
3.001	300	239	uPVC	12.201	F8	94.359	97.100	F9	94.308	97.000	1200
3.002	300	240	uPVC	53.762	F9	94.308	97.000	F3	94.084	97.050	1200



**GENERAL NOTES:**

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

- DRAINAGE LAYOUT LEGEND**
- PROPOSED 225mm Ø uPVC STORM SEWER & 1200mm Ø MH
  - PROPOSED 225mm Ø uPVC FOUL SEWER & 1200mm Ø MH
  - PROPOSED 110mm Ø uPVC STORM SEWER & 450mm Ø DEMARCATION IC
  - PROPOSED 110mm Ø uPVC FOUL SEWER & 600mm Ø DEMARCATION IC
  - EXISTING STORM SEWER
  - EXISTING FOUL SEWER
  - EXISTING COMBINED SEWER
  - EXISTING SEWER TO BE REMOVED
  - G PROPOSED ROAD GULLY
  - PROPOSED ATTENUATION CELLULAR STORAGE
  - IRISH WATER WAYLEAVE REQUIREMENT

- DRAINAGE NOTES:**
- ALL FOUL DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATERS REQUIREMENTS AND THEIR CONSTRUCTION DETAIL IW-CDS-5030-03 JULY 2020.
  - ALL DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH 'WEXFORD COUNTY DEVELOPMENT PLAN 2016 - 2022', 'CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 6TH EDITION' AND 'GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS'
  - ALL DRAINAGE CONNECTIONS FROM BUILDINGS TO CONFIRM TO THE BUILDING REGULATIONS 2010, PART H.
  - CLASS E BEDDING TO ALL PIPES WITH COVER GREATER THAN 1.2m UNDER ROAD AND 0.9m UNDER OTHER AREAS
  - 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)
  - CONCRETE BED AND SURROUND TO PIPES WITH COVER LESS THAN 1.2M UNDER ROADS AND 0.9M UNDER OTHER AREAS
  - LADDERS ARE REQUIRED IN MANHOLES WHERE THE DEPTH FROM COVER LEVEL EXCEEDS 2.5m
  - ALL ABANDONED PIPE RUNS AND MANHOLES TO BE BROKEN OUT AND BACKFILLED WITH 15/20N LEAN MIX CONCRETE.
  - ALL ROAD GULLIES AND MANHOLE COVERS TO BE TO EN 124 D400 IN ROADS AND B125 IN ALL OTHER PAVED AREAS, FOOTWAYS AND LANDSCAPED AREAS.

REV	DATE	DESCRIPTION	BY	APPR
C	23.05.22	UPDATED WITH LATEST LAYOUT	PR	MK
B	23.06.21	DIVERSIONS/ CONNECTIONS UPDATED FOLLOWING RECEIPT OF GPR SURVEY	FM	MK
A	28.04.21	UPDATED AFTER WCC COMMENTS	FM	MK

**DRAWING STATUS:**  
**PART\_8**

CLIENT:  
**WESTMEATH COUNTY COUNCIL**

JOB DESCRIPTION:  
15No. RAPID BUILD HOUSING UNITS, ENNELL COURT, MULLINGAR, COUNTY WESTMEATH

DRAWING TITLE:  
**INDICATIVE DRAINAGE LAYOUT 2 OF 2**

PROJECT No.: **P-3457** DRAWING No.: **C-104**

SCALE: 1:250 SHEET: A1 DATE: 21.09.2020

DRAWN BY: JR CHECKED BY: MK APPROVED BY: PMCM

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**INDICATIVE DRAINAGE LAYOUT 2 OF 2**  
SCALE 1:250