



STORM & FOUL WATER SEWERS TO BE CONNECTED AT THESE LOCATIONS TO AVOID HAVING TO CONNECT UNDER ROADWAY.

FOUL CONNECTION FROM EXISTING PROPERTY PASSES THROUGH PROPOSED REAR GARDEN OF UNIT 8. WCC TO REVIEW AND CONFIRM WHETHER A NEW CONNECTION SHOULD BE PROVIDED FOR THE EXISTING PROPERTY OR IF THIS EXISTING CONNECTION IS TO BE RETAINED

FOUL CONNECTION FROM COMMUNITY BUILDING TO BE GRUBBED UP AND ABANDONED. LONG RADIUS BEND OUTSIDE OF EXISTING INSPECTION CHAMBER TO TURN SEWER TOWARDS THE NEW CONNECTION POINT INTO FOUL MANHOLE F1

FOUL WATER SEWER TO BE DIVERTED AT THIS LOCATION. LOCATION OF EXISTING SEWER & LEVELS TO BE CONFIRMED BY GPR SURVEY PRIOR TO WORKS COMMENCING. LESS THAN 3m WAYLEAVE FROM SEWER TO STRUCTURES DUE TO CHANGE IN LOCATION OF UNITS. RISK ITEM TO BE AGREED WITH IRISH WATER

FOUL WATER SEWER TO RECONNECT INTO EXISTING FOUL SEWER AT THIS LOCATION LESS THAN 3m WAYLEAVE FROM SEWER TO STRUCTURES DUE TO CHANGE IN LOCATION OF UNITS. RISK ITEM TO BE AGREED WITH IRISH WATER

84m<sup>3</sup> OF CELLULAR STORAGE TO BE PROVIDED TO ATTENUATE THE 1 IN 100 YEAR STORM EVENT + 10% CLIMATE CHANGE. CELLULAR STORAGE TO BE 5.60m WIDE x 10.0m LONG x 1.6m DEEP (95% VOIDS) MANHOLE S10 IS TO BE A SUMP MANHOLE

HYDROBRAKE TO RESTRICT FLOW TO 1.0 l/s WHICH IS GREENFIELD RATE HIGH LEVEL OVERFLOW PROVIDED IN S6

### INDICATIVE DRAINAGE LAYOUT 1 OF 2

SCALE 1:250

- #### 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 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
- PROPOSED ROAD GULLY
- PROPOSED ATTENUATION CELLULAR STORAGE
- IRISH WATER WAYLEAVE REQUIREMENT

- #### DRAINAGE NOTES:
1. ALL FOUL DRAINAGE INFRASTRUCTURE TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATERS REQUIREMENTS AND THEIR CONSTRUCTION DETAIL W-CDS-5030-03 JULY 2020.
  2. 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'
  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/m<sup>2</sup> AND TO BE CAPABLE OF DEMONSTRATING A JETTING RESISTANCE OF 2600PSI (180 BAR) WITHOUT DAMAGE IN ACCORDANCE WITH SECTION 3.13.3 OF W-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 2.5m
  8. ALL ABANDONED PIPE RUNS AND MANHOLES TO BE BROKEN OUT AND BACKFILLED WITH 15/20N 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, FOOTWAYS AND LANDSCAPED AREAS.

REV	DATE	DESCRIPTION	FM	BY
D	23.05.22	UPDATED WITH LATEST LAYOUT	PR	MK
C	24.09.21	UPDATED WITH LATEST LAYOUT	FM	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 1 OF 2**

PROJECT No.:	DRAWING No.:
<b>P-3457</b>	<b>C-103</b>
SCALE:	REV. No.:
1:250	<b>D</b>
SHEET: A1	DATE: 21.09.2020
DRAWN BY: JR	CHECKED BY: MK
	APPROVED BY: PMCM

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