

STORM Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole			Downstream Manhole			Manhole Dia. (mm)
					Number	Invert	Cover	Number	Invert	Cover	
1.000	225	215	uPVC	12.372	S1	90.018	91.171	S2	89.960	91.050	1200
1.001	225	215	uPVC	10.036	S2	89.960	91.050	S3	89.913	91.079	1200
1.002	225	215	uPVC	43.190	S3	89.913	91.079	S4	89.712	91.794	1200
1.003	225	215	uPVC	11.400	S4	89.712	91.794	S5	89.654	91.790	1200
1.004	225	215	uPVC	10.074	S5	89.654	91.790	S6	89.607	91.575	1200
1.005	300	240	uPVC	16.483	S6	89.607	91.575	S7	89.538	91.000	1200
1.006	600	575	CONC	69.534	S7	89.238	91.000	S8	89.108	90.725	1200
1.007	600	575	CONC	10.379	S8	89.108	90.725	S9	89.090	90.723	1200
2.000	225	170	uPVC	8.092	S10	89.750	91.499	S4	89.712	91.794	1200

FOUL Network 1											
Pipe Code	Diameter (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole			Downstream Manhole			Manhole Dia. (mm)
					Number	Invert	Cover	Number	Invert	Cover	
1.000	225	60	uPVC	43.232	F1	90.810	91.862	F2	90.089	91.087	1200
1.001	225	60	uPVC	7.197	F2	90.089	91.087	F3	89.969	91.032	1200
1.002	225	60	uPVC	40.144	F3	89.969	91.032	F4	89.300	91.345	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 LAYOUT LEGEND:

- PROPOSED 225mm uPVC STORM SEWER & 1200mm MH
- PROPOSED 225mm uPVC FOUL SEWER & 1200mm MH
- PROPOSED 110mm uPVC FOUL SEWER & 600mm DEMARCATION IC
- PROPOSED 110mm uPVC STORM SEWER & 450mm DEMARCATION IC
- 150mm PERFORATED LAND DRAIN
- EXISTING STORM SEWER
- EXISTING FOUL SEWER
- PROPOSED ROAD GULLY
- PROPOSED DOUBLE ROAD GULLY
- PROPOSED GULLY IN PEDESTRIAN AREA ARCHITECT TO SPECIFY
- PROPOSED ATTENUATION CELLULAR STORAGE

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 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/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. STEP RUNG LADDERS ARE REQUIRED IN MAHOLES WHERE THE DEPTH FROM GROUND TO SOFFIT OF THE PIPE IS UP TO 3.0m. Fixed LADDERS ARE REQUIRED IN MANHOLES WHERE THE DEPTH FROM GROUND TO SOFFIT EXCEEDS 3.0m AND UP TO 6.0m
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	BY	APPR
D	17.05.22	ENTRANCE TO SITE MOVED AFTER COMMENTS FROM WCC PLANNERS	FM	MK
C	29.04.22	MINOR CHANGE TO NOTES	FM	MK
B	22.04.22	DRAWING UPDATED TO PART 8 INCORPORATING WCC COMMENTS	WD	MK
A	13.01.21	UPDATED AFTER WCC COMMENTS	FM	MK

DRAWING STATUS:
PART_8

CLIENT:
WESTMEATH COUNTY COUNCIL

JOB DESCRIPTION:
8No. UNIT HOUSING DEVELOPMENT, WATER STREET, CASTLEPOLLARD, CO. WESTMEATH

DRAWING TITLE:
INDICATIVE DRAINAGE LAYOUT

PROJECT No.:	P-3457	DRAWING No.:	C-02
SCALE:	AS SHOWN	REV. No.:	D

SHEET:	A1	DATE:	24.09.20
DRAWN BY:	SM	CHECKED BY:	MK
APPROVED BY:		APPROVED BY:	PMCM

McMahon Associates
Consulting Civil & Structural Engineers, Project Managers
Environmental Engineers, PSDP & Traffic Engineers
The Mill Building, Newtown Link Road, Greenhills, Drogheda, Co. Louth
t: 041 2137 050 e: info@mcMahonengineers.com

