



NOTE
ALL BENDS/CHANGE OF DIRECTIONS UNDER FLOOR SLAB TO BE CREATED USING LONG RADIUS, BENDS ONLY

ON COMPLETION ALL SEWERS ARE TO BE PRESSURE TESTED / CCTV SURVEYED AS PER SPECIFICATION

REFER TO ARCHITECTS DRAWINGS FOR DETAILS OF ALL CONNECTION POINTS TO THE PROPOSED MAIN DRAINAGE.

GENERAL NOTES:-

- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS & ENGINEERS DRAWINGS & SPECIFICATIONS.
- DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION. ALL DISCREPANCIES TO BE NOTIFIED, IN WRITING TO ENGINEERS & ARCHITECTS FOR RESOLUTION.
- ALL DIMENSIONS ON DRAWINGS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- FOR DETAILS AND SETTING OUT OF RWP, SVP, WVP & ALL OPENINGS SEE THE RELEVANT ARCHITECTS DRAWINGS.
- FOR RADON BARRIER, D.P.C. & INSULATION DETAILS REFER TO ARCHITECTS DRAWINGS.

ABBREVIATIONS:-

BTM	BOTTOM
C/C	CENTRE TO CENTRE
CTRS	CENTRES
SFL	STRUCTURAL FLOOR LEVEL
FFL	FINISHED FLOOR LEVEL
TOC	TOP OF CONCRETE
TP	TOP
TOS	TOP OF STEEL
UNO	UNLESS NOTED OTHERWISE

GENERAL LEGEND:-

- DENOTES SITE BOUNDARY
- DENOTES LAND OWNERSHIP BOUNDARY
- DENOTES EXISTING BUILDINGS
- DENOTES PROPOSED BUILDING
- DENOTES EXISTING LEVELS
- FFL +0.000m DENOTES PROPOSED BUILDING FINISHED FLOOR LEVEL

FOUL DRAINAGE LEGEND:-

- EXT DENOTES EXISTING FOUL SEWER LINE & MANHOLE
- F1.4 DENOTES PROPOSED FOUL SEWER LINE & PROPOSED INSPECTION CHAMBER / MANHOLE

FOUL WATER SEWER:-

ALL PIPE RUNS BETWEEN FOUL ACCESS JUNCTIONS TO BE 110mm Ø UPVC AT 1 IN 40 GRADIENT WITH 100mm 15/20 CONCRETE SURROUND.

ALL PIPE DIAMETERS ARE NOMINAL.

PRIVATE DRAINAGE RUNS:

- (A) ALL SEWER PIPES 375Ø TO BE CLASS 'H' SPIGOT SOCKET CONCRETE PIPES TO I.S. 6 UNLESS OTHERWISE NOTED.
- (B) ALL SEWER PIPES > 225Ø TO BE CLASS 'M' SPIGOT & SOCKET CONCRETE PIPES, UNLESS OTHERWISE NOTED
- (C) ALL SEWER PIPES < 150Ø TO BE UPVC TO IS 424.

THE CONTRACTOR MUST CONTACT THE RELEVANT AUTHORITIES PRIOR TO CONSTRUCTION WORK & SATISFY HIMSELF IN RESPECT OF THE LOCATION OF ALL EXISTING SERVICES.

600mm MAX. LENGTH ROCKER PIPES ARE TO BE PROVIDED ON SEWERS WHERE:

- (A) A PIPE ENTERS A MANHOLE OR PUMPING STATION.
- (B) A PIPE LEAVES A MANHOLE.
- (C) A PIPE ENTERS CONCRETE ENCASEMENT.
- (D) A PIPE LEAVES CONCRETE ENCASEMENT.
- (E) AN OTHER LOCATION AS DIRECTED BY THE ENGINEER.

ALL SEWER ROCKER PIPES ARE TO BE FORMED BY CUTTING AND TRIMMING A LENGTH OF SPIGOT & SOCKET PIPE TO FORM A SPIGOT AT THE CUT END, THEREBY FORMING SPIGOT & SOCKET JOINTS AT BOTH ENDS OF THE ROCKER PIPE.

WHERE SEWER PIPES AND RISING MAINS CONNECT TO EXISTING MANHOLES, THE CONTRACTOR IS REQUIRED TO:

- (A) CONTACT THE RELEVANT AUTHORITIES PRIOR TO COMMENCING WORK.
- (B) MAKE GOOD THE EXISTING CHAMBER WALL AT THE PROPOSED POINT AND ADJUST THE EXISTING BENCHING TO THE SATISFACTION OF THE ENGINEER.

WHERE SEWER PIPES, RISING MAINS & ROAD GULLY DRAINS CROSS EXISTING ROADS, THE CONTRACTOR IS REQUIRED TO:

- (A) CONTACT THE RELEVANT AUTHORITIES PRIOR TO COMMENCING WORK.
- (B) MAKE GOOD THE EXISTING ROAD TO THE SATISFACTION OF THE ENGINEER.

ALL ROCKER PIPES SHALL BE NO MORE THAN 150mm FROM THEIR ASSOCIATED MANHOLE, PUMPING STATION, CONCRETE ENCASED SECTION OR VALVE CHAMBER.

LOCKABLE COVERS TO BE PROVIDED TO ALL PRIVATE MANHOLES GREATER THAN 1.8m DEEP.

PROPOSED FOUL DRAINAGE LAYOUT
SCALE 1:250 @ A1 & 1:500 @ A3

FOUL SEWER TABLE								
Sewer Ref.	US/CL m	US/IL m	DS/IL m	Length m	Grad 1 in	Da mm	Cover to US Soffit	Notes
F1.0	F1.1	123.030	122.406	122.298	10.8	100	0.474	** IC
F1.1	F1.2	123.030	122.298	122.174	12.4	100	0.582	** IC
F1.2	F1.3	123.060	122.174	121.976	19.8	100	0.736	** IC
F1.3	F1.4	123.010	121.976	121.569	50.9	125	0.884	** IC
F2.0	F2.1	123.150	122.409	122.254	12.4	80	0.591	** IC
F2.1	F2.2	123.050	122.254	122.068	14.9	80	0.846	** IC
F2.2	F1.3	123.050	122.068	121.976	7.3	80	0.832	** IC

** DENOTES PIPE RUNS WHICH REQUIRE CONCRETE PROTECTION (TYPE D), BD DENOTES BACKDROP MANHOLE, AJ DENOTES ARMSTRONG JUNCTION, IC DENOTES INSPECTION CHAMBER, MH DENOTES MANHOLE, AS PER DETAILS ON DRAWING 191009/C/030

Issue Register

No.	Date	Description	Drawn	Checked	Approved
PL1	12/03/21	PLANNING ISSUE	RDS	EJQ	MJP

PLANNING

Client: KILKENNY COUNTY COUNCIL
 Project: FIRE STATION, URLINGFORD, CO. KILKENNY
 Drawing Title: PROPOSED FOUL DRAINAGE LAYOUT
 Project No: 191009
 Drawing No: 191009/C/004
 Scale: A1 - 1:250
 Rev: PL1
 Date: 08/02/21
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