Proposed loop to IW-STD-W-39

Proposed Washout Hydrant to IW-STD-W-30A

Inspection chamber to IW-STD-WW-13

ACO channel

FMH2
C.L : 70.609
I.L : 69.487

EX FMH1
C.L : 70.601
I.L : 69.276

FFL 70.400

ACO channel

FFL 71.000

FMH3
C.L : 71.259
I.L : 69.760

Proposed foul sewer to serve Gaelscoil Chnoc Liamhna (Currently under construction - Planning Ref: SD18A/0372)

Water butts to be installed to rear of dwellings.

Each dweling to have separate storm connection to public storm sewer within the Knocklyon Rood.

EX SP1. 225 Ø. 1:39 98.22m.

EX FP1. 225 Ø. 1:60 50.72m.

6" uPVC

6" uPVC

ACO channel

Proposed bypass water meter. Arrangement to IW requirements. Location to be agreed with Irish Water.

Proposed watermain connection to IW-STD-W-05

EX FMH
C.L : 72.550
I.L : 70.128

EX SMH1
C.L : 72.770
I.L : 71.150

NOTES:

ALL WORKS TO BE CARRIED OUT TO IRISH WATER CODE OF PRACTICE DOCUMENT CDS-5030-01

FOUL WASTE WATER LAYOUT TO BE INSTALLED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-WW-02 REGARDING GENERAL LAYOUT.

ALL FOUL WASTEWATER DRAINAGE PIPE WORK, INCLUDING SERVICE CONNECTIONS TO COMPLY WITH SECTION 3.6 OF I.W. CODE OF PRACTICE REGARDING PIPE WORK GRADIENTS.

ALL FOUL WASTEWATER PIPE WORK MATERIAL TO COMPLY WITH SECTION 3.13 OF THE IRISH WATER CODE OF PRACTICE.

ALL MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH I.W. STD-WW-10 and I.W. STD-WW-12.

WHERE FOUL AND SURFACE WATER MANHOLES AREA ADJACENT THEIR POSITIONS SHOULD BE STAGGERED TO ALLOW FOR CROSSING OVER OF SEWERS AS PER SECTION 3.5.13 OF I.W. CODE OF PRACTICE.

WHERE 0.3m SEPERATION DISTANCE CANNOT BE ACHIEVED BETWEEN FOUL AND STORM PIPES, THE PIPES SHALL BE SURROUNDED IN LEAN MIX CONCRETE.

ALL WASTEWATER PIPE WORK SHALL BE INSTALLED IN ACCORDANCE WITH I.W. STD-WW-05, STD-WW-06, AND STD-WW-06A REGARDING SEPARATION DISTANCES.WHERE SEPARATION DISTANCES CANNOT BE ACHIEVED, PIPES SHALL BE SURROUND IN LEAN MIX CONCRETE.

INSPECTION CHAMBERS TO BE INSTALLED ON ALL CONNECTIONS FROM FOUL AND SURFACE WATER SEWER WITHIN INDIVIDUAL PROPERTIES IN ACCORDANCE WITH I.W. STD-WW-03-1 IN COMPLIANCE WITH IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS

FOUL SEWER DROP MANHOLES TO BE INSTALLED TO IW WASTEWATER CODE OF PRACTICE STANDARD DETAIL STD-WW-12.

HDPE TWINWALL PIPES TO BE USED FOR STORM SEWER UNLESS OTHERWISE SPECIFIED. PIPES ARE TO BE BBA (BRITISH BOARD OF AGRÉMENT) OR SIMILAR APPROVED AND HAPAS (HIGHWAYS AGENCY PRODUCT APPROVAL SCHEME) OR SIMILAR CERTIFIED. WHERE 0.9m COVER TO THE ROADWAY CANNOT BE ACHIEVED, PIPES SHALL BE SURROUNDED IN LEAN MIX CONCRETE.

PVC-U PIPES TO BE USED FOR FOUL SEWER UNLESS OTHERWISE SPECIFIED. WHERE 1.2m COVER TO THE ROADWAY CANNOT BE ACHIEVED, PIPES SHALL BE SURROUNDED IN LEAN MIX CONCRETE.

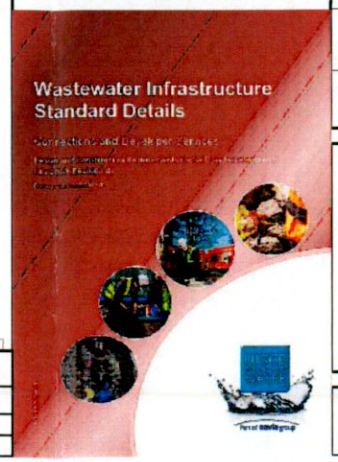
NOTES :

WATER MAINS LAYOUT TO BE INSTALLED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-02 REGARDING GENERAL LAYOUT.

WATER MAINS LAYOUT TO BE INSTALLED IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-11-1 REGARDING SEPARATION DISTANCES.

ALL WORKS TO CARRIED OUT TO IRISH WATER CODE OF PRACTICE DOCUMENT IW-CDS-5020-01

NOTE: CONTRACTOR IS TO REFER TO REVISION 4 OF THE IRISH WATER STANDARD DETAILS DATED JULY 2020 FOR WASTEWATER INFRASTRUCTURE DETAILS.



FOUL PIPE SCHEDULE

PIPE REFERENCE	SIZE Ø (mm)	SLOPE	LENGTH (m)	PIPE TYPE
FP1	150	1:60	14.47	PVC-U
FP2	150	1:60	16.40	PVC-U

NOTES

GENERAL NOTES:

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES
5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD
6. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS, CONTRACTOR TO VERIFY THE ACCURACY OF THIS PROPOSAL TO THE ENGINEER AND ALLOW FOR MINOR CORRECTIONS AS DEEMED NECESSARY WITH A REASONABLE TIMEFRAME.

LEGEND

- SITE BOUNDARY INDICTED THUS
- PROPOSED NEW ROAD GULLY (G)
- PROPOSED NEW LOCAL FOUL DRAINAGE
- PROPOSED NEW LOCAL FOUL DRAINAGE
- PROPOSED NEW FOUL SEWER — FW
- PROPOSED NEW FOUL SEWER MANHOLE
- EXISTING STORM SEWER — SW
- EXISTING FOUL SEWER — FW
- EXISTING STORM SEWER MANHOLE
- EXISTING FOUL SEWER MANHOLE
- PROPOSED WASHOUT HYDRANT TO IW-STD-W-30A
- PROPOSED BULK WATER METER (M)
- PROPOSED WATER SUPPLY CONNECTION — W
- PROPOSED 100mm Ø HDPE WATERMAIN — WM
- EXISTING WATERMAIN — EXST_WM
- PROPOSED SLUICE VALVE SV
- PIPES TO BE SURROUNDED WITH LEAN MIX CONCRETE
- PROPOSED ACO DRAIN
- PROPOSED WATER BUTTS
- EXISTING LEVELS +24.30

Site Area:-
1056 m², 0.2609 Acres, 0.1056 Hectares
ITM Co-Ordinates of site:-
711636, 727432

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OS Sheet No.3390-15

rev.	modifications	by	chkd	date
P.01	Planning Issue	SL	MF	26.10.'22

Layout Ref.:

file: P:\Jod-jobs\6902 Apt Block Knocklyon\700 Drawings\703 Planning\01 WIP\6902-JOD-001.dwg

client
PATHWAY HOMES LTD.

project
PROPOSED RESIDENTIAL DEVELOPMENT AT SITE, KNOCKLYON ROAD, DUBLIN

stage
PLANNING

title
PROPOSED FOUL, STORM AND WATERMAIN SITE LAYOUT PLAN

scale
1:250 @ A3

surveyed	drawn	checked	date
	SL	MF	Oct 2022

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