

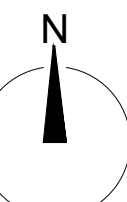
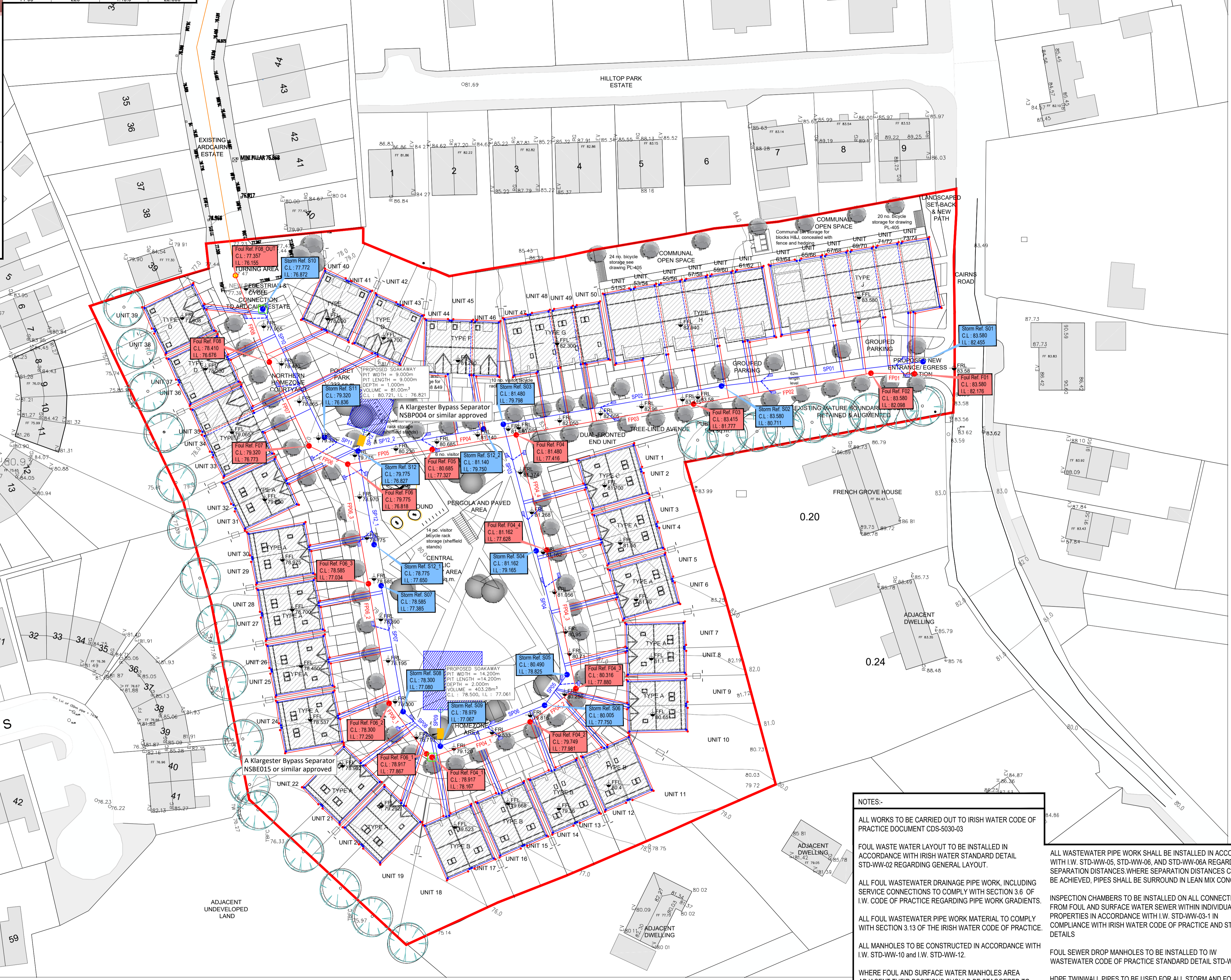
# Wastewater Infrastructure Standard Details

Connections and Developer Services  
 Design and Construction Requirements for Self-Lay Developments  
 July 2020 (Revision 4)  
 Document No. CDS-000-01



**NOTE: CONTRACTOR IS TO REFER TO REVISION 4 OF THE IRISH WATER STANDARD DETAILS DATED JULY 2020 FOR WASTEWATER INFRASTRUCTURE DETAILS. THIS BOOKLET HAS BEEN INCLUDED IN PART OF THE CIVIL/STRUCTURAL PACKAGE.**

FOUL PIPE SCHEDULE				STORM PIPE SCHEDULE			
PIPE REFERENCE	SIZE Ø (mm)	SLOPE	LENGTH (m)	PIPE REFERENCE	SIZE Ø (mm)	SLOPE	LENGTH (m)
FP01	150	1:136	10.562	SP01	225	1:66.2	49.238
FP02	150	1:136	43.664	SP02	225	1:59.2	53.720
FP03	150	1:32.4	43.663	SP03	225	1:50.1	31.714
FP04_1	150	1:136	25.209	SP04	225	1:91	30.948
FP04_2	150	1:136	13.737	SP05	300	1:40.9	9.213
FP04_3	150	1:136	34.333	SP06	300	1:39.8	27.171
FP04_4	150	1:136	28.883	SP07	300	1:101.7	31.010
FP04	225	1:233	20.700	SP08	300	1:95.8	12.319
FP05	225	1:40.8	20.762	SP09	450	1:156.5	8.812
FP06_1	150	1:24.7	15.282	SP10	300	1:95.8	34.506
FP06_2	150	1:136	29.435	SP11	300	1:95.8	8.803
FP06_3	150	1:136	29.435	SP12_1	225	1:28.1	30.912
FP06	225	1:233	10.381	SP12_2	225	1:66.5	23.028
FP07	225	1:233	22.499	SP12	300	1:95.8	5.368
FP08	225	1:43.3	22.553				



### NOTES

**GENERAL NOTES:**

- FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.
- ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE.
- ENGINEER/EMPLOYERS REPRESENTATIVE, AS APPROPRIATE, TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES.
- THE CONTRACTOR SHALL UNDERTAKE A THOROUGH CHECK FOR THE ACTUAL LOCATION OF ALL SERVICES/UTILITIES, ABOVE AND BELOW GROUND, BEFORE ANY WORK COMMENCES.
- ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD.
- 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

PROPOSED STORM MANHOLE shown thus	●
PROPOSED STORM WATER NETWORK shown thus	—
PROPOSED FOUL MANHOLE shown thus	●
EXISTING FOUL MANHOLE shown thus	●
PROPOSED FOUL NETWORK shown thus	—
PROPOSED SURFACE WATER CONNECTIONS shown thus	—
PROPOSED ROAD GULLIES shown thus	⊠
MANHOLE SURROUNDED IN LEAN MIX shown thus	□
EXISTING FOUL 225 uPVC NETWORK shown thus	—

Site Area:-  
 21,000 m<sup>2</sup>, 5.189 Acres, 2.1 Hectares  
 ITM Co-Ordinates of site:-  
 569700, 833700  
 Ordnance Survey Ireland Licence No. CYAL50244098  
 © Ordnance Survey Ireland/Government of Ireland.  
 OS Sheet No.1071-A

P.01 Issued for Planning	AP MF	04.03.22
rev. modifications	by chkd	date
Layout Ref.:		
file	P:\Jod\jobs\6665 Cairns Hill Hsing\700 Drawings\703 Planning\01 WIP\6665-JOD-XX-ZZ-DR-C-700-001 Foul & Storm Site Layout Plan.dwg	

client  
**NOVOT HOLDINGS LIMITED**

project  
**PROPOSED RESIDENTIAL DEVELOPMENT AT CAIRNS ROAD, CO. SLIGO**

stage  
**PLANNING**

title  
**FOUL & STORM SITE LAYOUT PLAN**

scale  
**1:500 @ A1**

surveyed	drawn	checked	date
JOD	AP	MF	March 2022

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drawing no.	revision
6665-JOD-XX-ZZ-DR-C-700-001	P.01

**FOUL & STORM SITE LAYOUT PLAN**  
 SCALE 1:500 @ A1

**NOTES:-**

ALL WORKS TO BE CARRIED OUT TO IRISH WATER CODE OF PRACTICE DOCUMENT CDS-003-03

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

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

ALL FOUL WASTE WATER 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 SEPARATION 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-08 REGARDING SEPARATION DISTANCES WHERE SEPARATION DISTANCES CANNOT BE ACHIEVED, PIPES SHALL BE SURROUNDED 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 ALL STORM AND FOUL SEWER PIPES UNLESS OTHERWISE SPECIFIED.

PIPES ARE TO BE BBA (BRITISH BOARD OF AGREEMENT) 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.