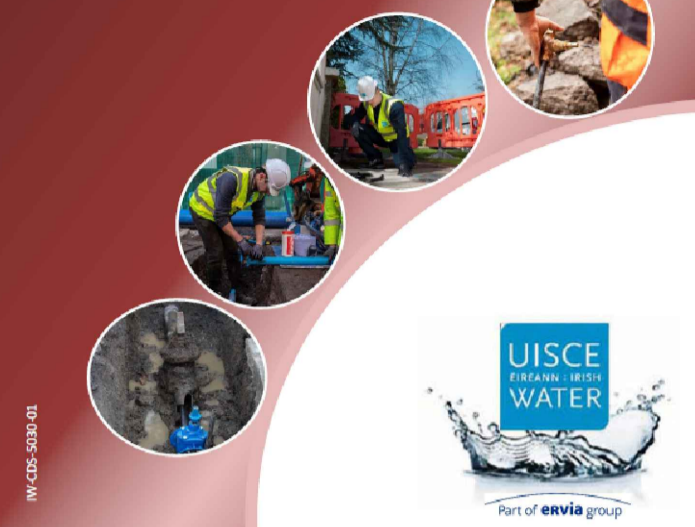


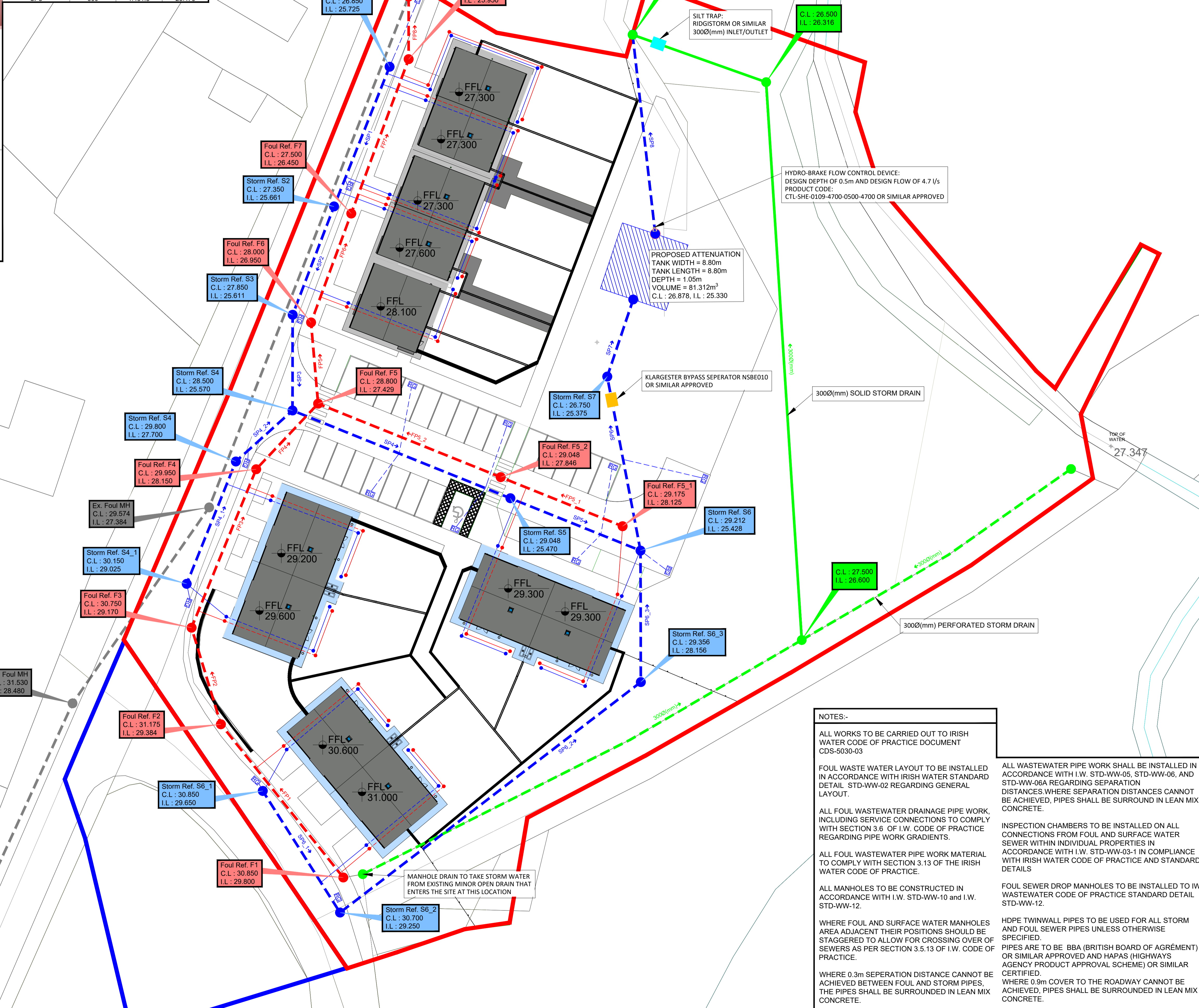
# Wastewater Infrastructure Standard Details

Connections and Developer Services  
 Design and Construction Requirements for Self-Lay Developments  
 July 2020 (Revision 4)  
 Document No. CDS-5030-03



**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.**

STORM PIPE SCHEDULE				FOUL PIPE SCHEDULE			
PIPE REFERENCE	SIZE Ø (mm)	SLOPE	LENGTH (m)	PIPE REFERENCE	SIZE Ø (mm)	SLOPE	LENGTH (m)
SP1	225	1:298.5	19.107	FP1	150	1:59.9	24.931
SP2	225	1:294.9	14.745	FP2	150	1:60	12.831
SP3	225	1:296.6	12.161	FP3	150	1:59.9	21.750
SP4_1	225	1:47.9	16.760	FP4	150	1:15.9	11.468
SP4_2	225	1:29.8	9.890	FP5_1	150	1:59.9	16.705
SP4	225	1:298.6	29.857	FP5_2	150	1:60	25.016
SP5	300	1:424.6	17.832	FP6	150	1:21.6	10.357
SP6_1	300	1:45.8	18.316	FP7	150	1:29.5	14.760
SP6_2	300	1:44	48.169	FP7	150	1:41.9	20.929
SP6_3	300	1:116	16.706	FP8	150	1:59.9	7.984
SP6	300	1:425	22.523				
SP7	300	1:425.2	19.136				
SP8	300	1:431.8	25.476				



**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**

SITE BOUNDARY shown thus	---
PROPOSED STORM MANHOLE shown thus	●
PROPOSED STORM WATER NETWORK shown thus	---
PROPOSED FOUL MANHOLE shown thus	●
PROPOSED FOUL NETWORK shown thus	---
PROPOSED SURFACE WATER CONNECTIONS shown thus	---
PROPOSED FOUL WATER CONNECTIONS shown thus	---
PROPOSED ROAD GULLIES shown thus	FCG
EXISTING FOUL MANHOLE shown thus	●
EXISTING FOUL NETWORK shown thus	---
300mm PROPOSED PERFORATED STORM DRAIN shown thus	---
300mm PROPOSED SOLID STORM DRAIN shown thus	---

Site Area:-  
 9,900 m<sup>2</sup>, 2.44 Acres, 0.99 Hectares  
 ITM Co-Ordinates of site:-  
 524360, 794418  
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 OS Sheet No. 1908

D.02	Issued for Discussion	AP	MF	26.05.22
D.01	Issued for Discussion	AP	MF	20.05.22
rev.	modifications	by	chkd	date
Layout Ref.:				
file	P:\Jod-jobs\6786 Ballyvary Housing\700 Drawings\703 Planning\01 WIP\6786-JOD-XX-ZZ-DR-C-700-001-003 Foul & Storm Site Layout Plan.dwg			

client Comhairle Contae Mhaigh Eo Mayo County Council

project  
**PROPOSED HOUSING AT BALLYVARY, CO. MAYO.**

stage  
**DRAFT**

title  
**FOUL & STORM SITE LAYOUT PLAN**

scale  
**1:250 @ A1**

surveyed	drawn	checked	date
JOD	AP	MF	May 2022

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drawing no. **6786-JOD-XX-ZZ-DR-C-700-001** revision **D.02**

**NOTES:-**

ALL WORKS TO BE CARRIED OUT TO IRISH WATER CODE OF PRACTICE DOCUMENT CDS-5030-03

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 ALL STORM AND FOUL SEWER PIPES UNLESS OTHERWISE SPECIFIED.

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