Legend:

Wastewater Details:	Document No. IW-CDS-5030-01	
Denotes Foul Pipe	Waste Water Service Connection Responsibility :	STD-WW-01
F.001 Denotes Foul Manhole	Typical Layout for Sewer within New Developments	STD-WW-02
IC.051 Denotes Inspection Chamber	Drain & Service Connection Pipework :	STD-WW-03
Denotes Foul Pipe Concrete encased	Typical Sewer / Service pipe Connection :	STD-WW-04
Denotes Ex. Foul Sewer	STD-WW-06 Existing Planting	STD-WW-06
	Restrictions on new planting adjacent to sewers	STD-WW-06A
Storm Water Details:	Trench Backfill & Bearing :	STD-WW-07
Denotes Connection Pipe	Concrete Bed, Haunch & Surround to Waste Water :	STD-WW-08
	Pre-cast Concrete Manhole :	STD-WW-10
Denotes Storm Pipe	Backdrop manholes:	STD-WW-12
S.001 Denotes Storm Manhole	Private Side Inspection Chamber :	STD-WW-13
Road Gully		
Denotes Ex. Storm Sewer		

Note:
Refer to Irish Water Standard Details Drawings Document No. IW-CDS-5030-01
Pipe materials shall comply with Section 3.9 of Irish Water's Code of Practice.
All works to be constructed to conform with Irish Water's Code of Practice for Wastewater Infrastructure Document No. IW-CDS-5030-03.

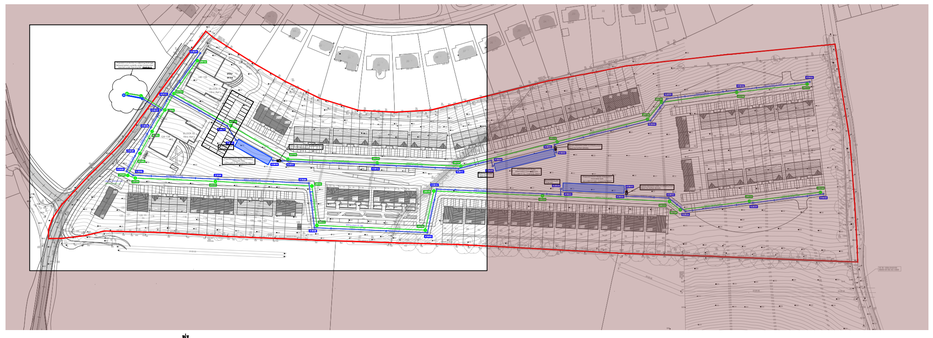
1. All Foul pipes must be in compliance with Code of Practice for Wastewater Infrastructure - Section 3.13
2. Foul pipe to be 'WavSpec SN8' shall be structure wall construction Type A manufactured in accordance with EN13476-2, and comprising PVC-U smooth internal and external layers with either a foamed or a recycled PVC-U core
3. 'WavSpec SN8' shall be manufactured in accordance with Quality Management system IS EN ISO 9001: 2008 and Environmental Quality System IS EN ISO 14001:2004
4. Separation distances must be in compliance with Standard details & Code of Practice for Wastewater Infrastructure
5. Manhole covers, where located in grass areas, shall be surrounded by a concrete plinth, 200mm all round and 100mm deep formed with C20/25 concrete
6. All new trees/shrubs planting will comply with minimum planting distances as per standard detail STD-WW-06A
7. Stormwater pipe will be a JFC Corripipe twin wall SN6/SN8 polyethylene drainage pipe. Corripipe is a twin wall polyethylene drainage pipe manufactured from a black high density polyethylene by a twin extrusion process.

US/MH Name	US/CL(m)	US/IL(m)	Depth
SW 01	98.500	97.000	1.5
SW 02	99.000	96.760	2.2
SW 03	99.650	96.520	3.1
SW 04	100.300	96.447	3.9
SW 05	100.750	96.329	4.4
SW 006	100.930	96.314	4.6
SW 007	99.450	95.000	4.5
Sw008	99.750	94.985	4.8
SW 009	95.250	92.814	2.4
SW 010	94.100	92.664	1.4
SW 011	93.350	91.784	1.6
SW 012	92.490	90.359	2.0
SW 013	91.250	89.313	1.9
SW 014	90.000	86.613	3.4
Sw015	89.600	86.228	3.4
SW 016	89.200	84.997	4.2
Sw017	86.000	83.766	2.2
SW 020	93.500	92.000	1.5
Sw021	93.200	91.764	1.4
SW 022	91.000	89.414	1.6
Sw023	89.700	87.991	1.7
SW 024	89.200	87.604	1.6
Sw025	89.200	87.580	1.6
SW 026	88.400	85.560	2.8
Sw027	88.100	85.560	2.5
SW 028	87.600	85.450	2.1
Sw029	85.700	84.228	1.5
Sw030	85.350	83.898	1.5
Sw031	85.300	83.700	1.6
SW 032	85.300	82.570	2.7
Sw033	85.150	82.520	2.6
Sw034	82.000	80.800	1.2
Sw035	84.550	80.420	4.1
SW 036	86.000	80.359	5.6
Existing	84.900	80.284	4.6

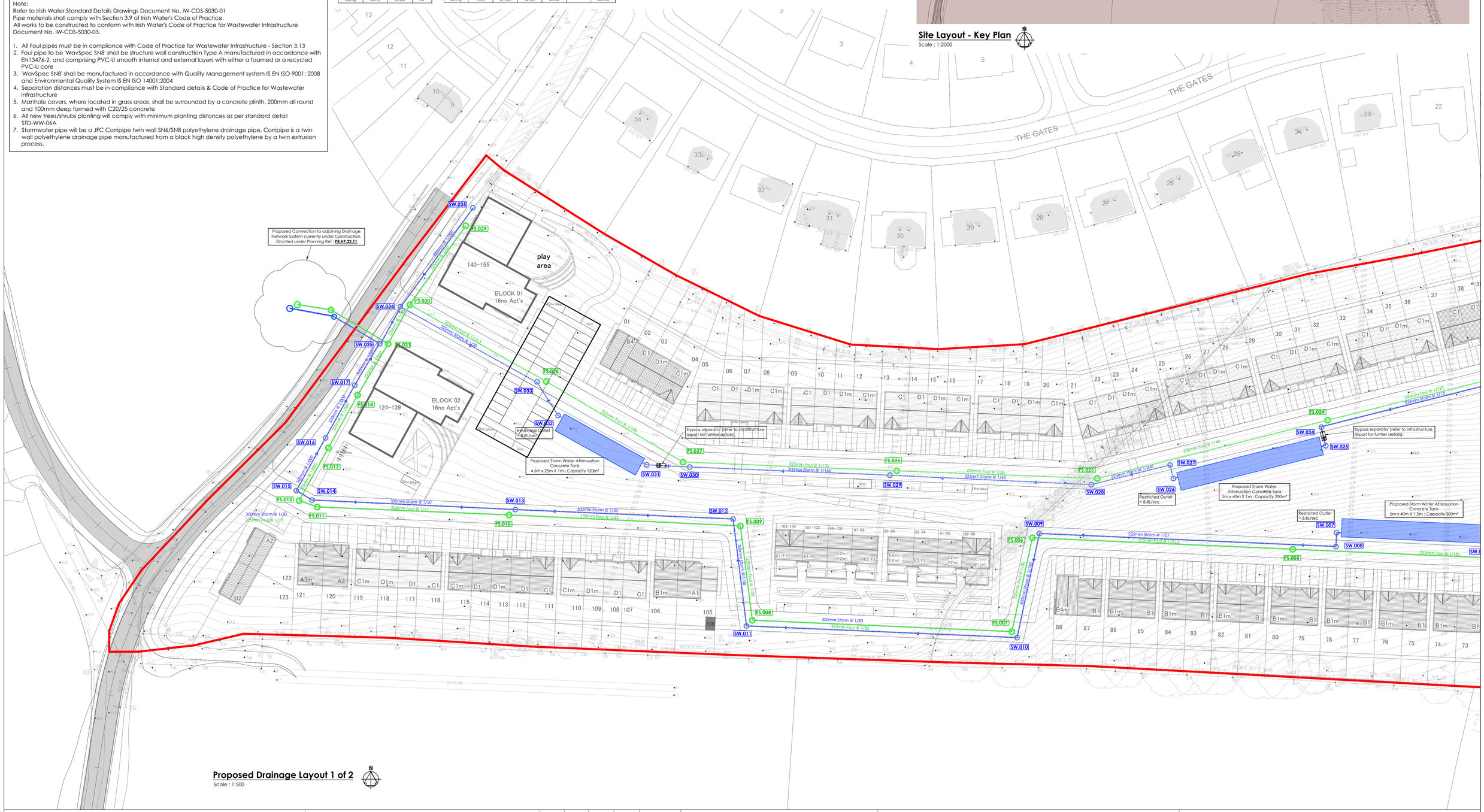
US/MH Name	Pipe Length (m)	Slope (1:X)	US/CL(m)	US/IL(m)	Design Flow (l/s)	Pipe DIA (mm)
SW 01	48.000	200.000	98.500	97.000		225.000
SW 02	48.000	200.000	99.000	96.760		225.000
SW 03	14.600	200.000	99.650	96.520		225.000
SW 04	23.500	199.200	100.300	96.447		300.000
SW 05	3.000	200.000	100.750	96.329		300.000
SW 006	40.000	200.000	100.930	96.314		300.000
SW 007	3.000	200.000	99.450	95.000	8.800	225.000
Sw008	89.000	41.000	99.750	94.985		225.000
SW 009	28.500	190.000	95.250	92.814		300.000
SW 010	73.000	83.000	94.100	92.664		300.000
SW 011	28.500	20.000	93.350	91.784		300.000
SW 012	52.300	30.000	92.490	90.359		300.000
SW 013	54.000	20.000	91.250	89.313		300.000
SW 014	5.000	13.000	90.000	86.613		300.000
Sw015	16.000	13.000	89.600	86.228		300.000
SW 016	16.000	13.000	89.200	84.997		300.000
Sw017	14.000	4.100	86.000	83.766		300.000
SW 020	47.200	200.000	93.500	92.000		225.000
Sw021	47.000	20.000	93.200	91.764		225.000
SW 022	18.500	13.000	91.000	89.414		225.000
Sw023	64.500	166.700	89.700	87.991		300.000
SW 024	4.000	166.700	89.200	87.604		375.000
Sw025	40.000	20.000	89.200	87.580		375.000
SW 026	4.000	200.000	88.400	85.560		225.000
Sw027	22.000	200.000	88.100	85.560		225.000
SW 028	55.000	40.000	87.600	85.450		225.000
Sw029	55.000	166.700	85.700	84.228		300.000
Sw030	12.000	63.100	85.350	83.898		300.000
Sw031	26.000	200.000	85.300	83.700		300.000
SW 032	10.000	200.000	85.300	82.570	8.800	300.000
Sw033	42.000	20.000	85.150	82.520		300.000
Sw034	33.000	144.100	82.000	80.800		225.000
Sw035	12.000	196.700	84.550	80.420		300.000
SW 036	15.000	200.000	86.000	80.359		375.000
Existing	1.000	401.400	84.900	80.284		450.000

US/MH Name	US/CL(m)	US/IL(m)	Backdrop(m)	Depth (m)
FS01	98.500	97.000		1.500
FS02	99.000	96.167		2.833
FS03	99.650	95.834		99.650
FS04	100.300	95.774		4.526
FS05	99.250	95.261		3.989
FS06	95.250	93.449		1.801
FS07	94.100	92.616		1.484
FS08	93.350	91.773		1.577
FS09	92.400	90.940		1.460
FS010	91.250	89.740		1.510
FS011	90.000	86.550		3.450
FS012	89.600	85.979		3.621
FS013	89.200	84.840	82.769	4.360
FS014	86.000	81.538		4.462
FS020	93.500	92.000		1.500
FS021	93.100	91.167		1.933
FS022	91.000	89.244		1.756
FS023	89.700	88.244		1.456
FS024	89.200	87.724		1.476
FS025	87.600	86.124		1.476
FS026	85.700	84.227		1.473
FS027	85.300	83.820		1.480
FS028	85.150	83.370		1.780
FS029	82.000	80.800		1.200
FS030	84.500	80.367		4.133
FS31	86.000	80.284		5.716

US/MH Name	Pipe Length (m)	Slope (1:X)	US/CL(m)	US/IL(m)	Backdrop	Pipe DIA (mm)
FS01	50.000	60.000	98.500	97.000		150.000
FS02	50.000	150.200	99.000	96.167		225.000
FS03	9.000	150.000	99.650	95.834		225.000
FS04	77.000	150.100	100.300	95.774		225.000
FS05	77.000	42.500	99.250	95.261		225.000
FS06	25.000	30.000	95.250	93.449		225.000
FS07	70.000	83.000	94.100	92.616		225.000
FS08	25.000	30.000	93.350	91.773		225.000
FS09	54.000	45.000	92.400	90.940		225.000
FS010	54.000	16.900	91.250	89.740		225.000
FS011	8.000	14.000	90.000	86.550		225.000
FS012	16.000	13.000	89.600	85.979		225.000
FS013	16.000	13.000	89.200	84.840	82.769	225.000
FS014	16.000	12.800	86.000	81.538		225.000
FS020	50.000	60.000	93.500	92.000		150.000
FS021	50.000	26.000	93.100	91.167		225.000
FS022	13.000	13.000	91.000	89.244		225.000
FS023	64.000	123.100	89.700	88.244		225.000
FS024	64.000	40.000	89.200	87.724		225.000
FS025	58.000	29.000	87.600	86.124		225.000
FS026	55.000	135.100	85.700	84.227		225.000
FS027	45.000	100.000	85.300	83.820		225.000
FS028	43.000	14.300	85.150	83.370		225.000
FS029	26.000	60.000	82.000	80.800		150.000
FS030	12.500	150.000	84.500	80.367		225.000
FS31	15.000	125.000	86.000	80.284		225.000



Site Layout - Key Plan
Scale : 1:2000



Proposed Drainage Layout 1 of 2
Scale : 1:500

Joyce House
Barrack Square
Ballincollig
Cork
P31 KP84

021 4871781
info@dosa.ie
www.dosa.ie

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REV.	DRAWN	CHKD	APPRVD	DATE	DETAILS
C	G.S.	S.O'D.	S.O'D.	17.06.25	Revised & Reissued for Part 8 Planning
B	A.G.	S.O'D.	S.O'D.	10.04.25	Revised & Reissued for Cork City Council
A	G.S.	C.O'S	C.O'S	27.06.24	Issued for ITCD Cork City Council

CLIENT: OBR Construction

PROJECT: Residential Development, Matthew Hill, Lehenaghmore, Cork

DRAWING TITLE: Proposed Drainage Layout 1 of 2

SHEET: A1

SCALE: 1:500

PROJECT NO. 6476 _ DRAWING NO. 0020 _ STATUS/ISSUE C