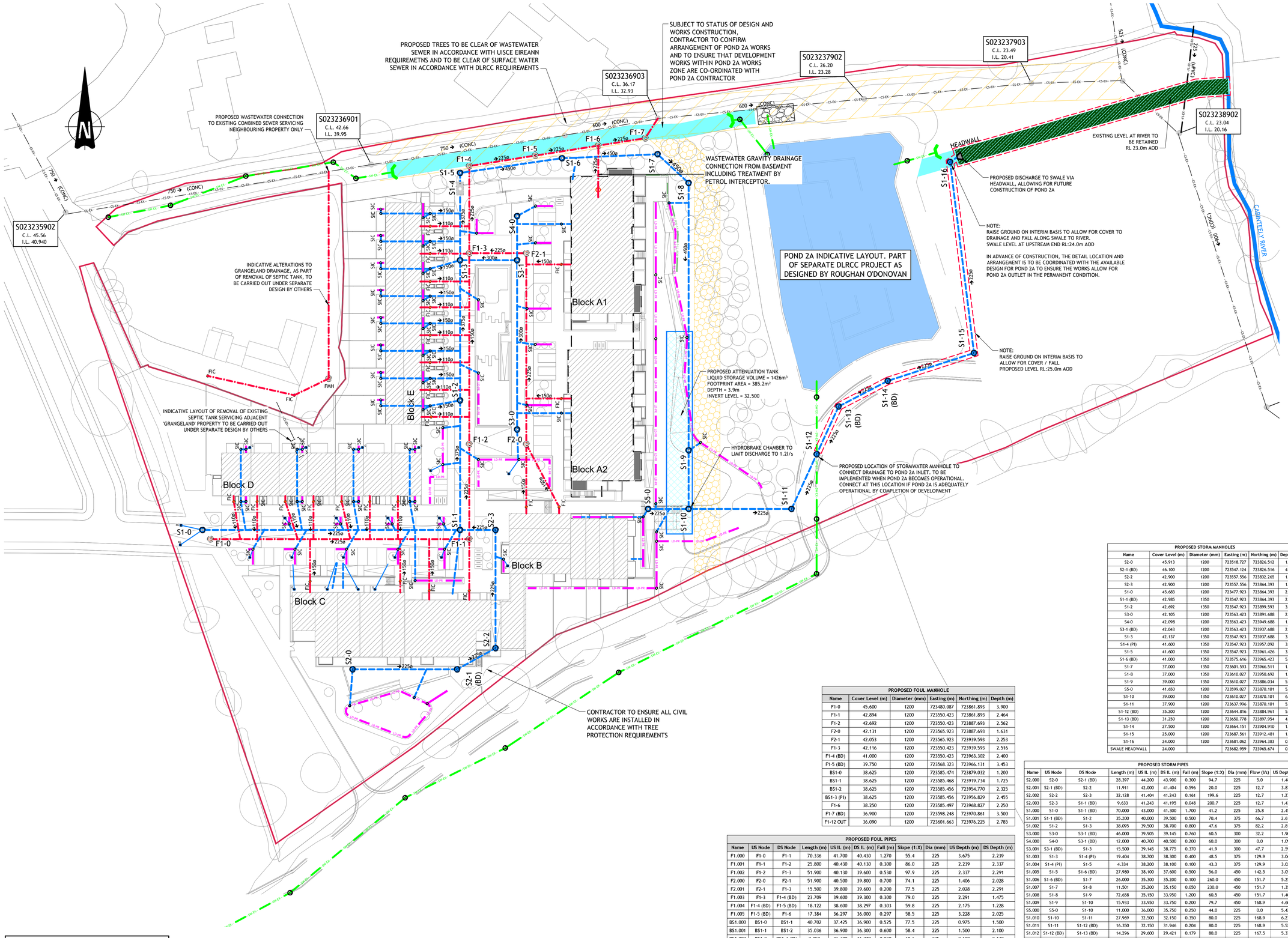

LEGEND

- PROPOSED BUILDING
- BASEMENT OUTLINE
- EXISTING COMBINED SEWER
- EXISTING FOUL SEWER
- EXISTING FOUL MANHOLE
- PROPOSED FOUL SEWER TO BE INSTALLED IN ACCORDANCE WITH UISCE EIREANN DESIGN STANDARDS AND BACKFILL IN ACCORDANCE WITH TII SERIES 800
- PROPOSED FOUL MANHOLE TO BE INSTALLED IN ACCORDANCE WITH UISCE EIREANN DESIGN STANDARDS AND BACKFILL IN ACCORDANCE WITH TII SERIES 800
- PROPOSED FOUL INSPECTION CHAMBER
- INDICATIVE ROUTE OF SURFACE WATER DRAINAGE TO BE INSTALLED AS PART OF POND 2A WORKS
- EXISTING SURFACE WATER MANHOLE
- PROPOSED SURFACE WATER SEWER INSTALLATION IN ACCORDANCE WITH DLRCC DESIGN STANDARDS AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS V6.0 WITH SUB-BASE BACKFILL IN ACCORDANCE WITH TII SERIES 800
- PROPOSED SURFACE WATER MANHOLE INSTALLATION IN ACCORDANCE WITH DLRCC DESIGN STANDARDS AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS V6.0 WITH SUB-BASE BACKFILL IN ACCORDANCE WITH TII SERIES 800
- PROPOSED PETROL INTERCEPTOR BYPASS INTERCEPTOR DESIGNED TO SERVICE ENTIRE AREA DRAINED IN ACCORDANCE WITH EN858-1 AND EN858-2 WITH CONCRETE SURROUND AS REQUIRED FOR FLOTATION SUBJECT TO MATERIAL CHOSEN
- PROPOSED GULLY TO BE IN IN SITU GULLIES IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE AND TII STANDARDS
- 10.6m WIDE WAYLEAVE OVER EXISTING UISCE EIREANN COMBINED SEWER
- POND 2A INDICATIVE LAYOUT. PART OF SEPARATE DLRCC PROJECT AS DESIGNED BY ROUGHAN O'DONOVAN
- PROPOSED ATTENUATION TANK
- POND 2A SWALE WORKS INDICATIVE LAYOUT. PART OF SEPARATE DLRCC PROJECT AS DESIGNED BY ROUGHAN O'DONOVAN
- PROPOSED FILTER DRAIN TYPE A
- PROPOSED SURFACE WATER INSPECTION CHAMBER TO UISCE EIREANN STANDARDS
- 7m WIDE WAYLEAVE ALLOW FOR 300mm DIAMETER WASTEWATER SEWER TO SERVICE ADJACENT DEVELOPMENT.
- PROPOSED SWALE TO SERVICE DEVELOPMENT. DESIGN IS PROVIDED EQUIVALENT TO POND 2A DESIGN AND HAS ADEQUATE CAPACITY TO SERVICE THE DEVELOPMENT DISCHARGE OF 1.2l/s INCLUDING PROVISION FOR 1.2% SLOPE
- POND 2A WORKS
- EXTENT OF INTERIM WORKS ONLY REQUIRED IF POND 2A NOT CONSTRUCTED BEFORE COMPLETION OF DEVELOPMENT. IN ADVANCE OF CONSTRUCTION, THE DETAIL LOCATION AND ARRANGEMENT OF THE SWALE IS TO BE CO-ORDINATED WITH THE AVAILABLE DESIGN AND CONSTRUCTION STATUS OF POND 2A TO ENSURE THAT THE WORKS ALLOW FOR POND 2A OUTLET IN THE PERMANENT CONDITION. THE TIMING OF WORKS IS TO BE DETERMINED IN ADVANCE OF CONSTRUCTION SUCH THAT THE OUTLET WORKS ARE PROVIDED ONLY IF POND 2A NOT CONSTRUCTED BEFORE COMPLETION OF DEVELOPMENT.

PROPOSED STORM MANHOLES

Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S2-0	45.913	1200	723518.727	723826.512	1.713
S2-1 (BD)	46.100	1200	723547.124	723826.516	4.100
S2-2	42.900	1200	723557.556	723832.265	1.496
S2-3	42.900	1200	723557.556	723864.393	1.657
S1-0	45.683	1200	723477.923	723864.393	2.683
S1-1 (BD)	42.985	1350	723547.923	723864.393	2.985
S1-2	42.692	1350	723547.923	723899.593	3.192
S3-0	42.105	1200	723563.423	723891.688	2.200
S4-0	42.098	1200	723563.423	723949.688	1.398
S3-1 (BD)	42.043	1200	723563.423	723937.688	2.898
S1-3	42.137	1350	723547.923	723937.688	3.437
S1-4 (PI)	41.600	1350	723547.923	723957.092	3.400
S1-5	41.600	1350	723547.923	723961.426	3.500
S1-6 (BD)	41.000	1350	723575.616	723965.423	5.700
S1-7	37.000	1350	723601.593	723966.511	1.800
S1-8	37.000	1350	723610.027	723958.692	1.850
S1-9	39.000	1350	723610.027	723886.034	5.050
S5-0	41.650	1200	723599.027	723870.101	5.650
S1-10	39.000	1350	723610.027	723870.101	6.500
S1-11	37.900	1200	723637.996	723870.101	5.750
S1-12 (BD)	35.200	1200	723644.816	723884.961	5.600
S1-13 (BD)	31.250	1200	723650.778	723897.954	4.950
S1-14	27.500	1200	723664.151	723904.910	1.388
S1-15	25.000	1200	723687.561	723912.481	1.348
S1-16	24.000	1200	723681.062	723964.383	0.490
SWALE HEADWALL	24.000		723682.959	723965.674	0.500

PROPOSED FOUL MANHOLE

Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
F1-0	45.600	1200	723480.087	723861.893	3.900
F1-1	42.894	1200	723550.423	723861.893	2.464
F1-2	42.692	1200	723550.423	723887.693	2.562
F2-0	42.131	1200	723565.923	723887.693	1.631
F2-1	42.053	1200	723565.923	723939.593	2.253
F1-3	42.116	1200	723550.423	723939.593	2.516
F1-4 (BD)	41.000	1200	723550.423	723963.302	2.400
F1-5 (BD)	39.750	1200	723568.323	723966.131	3.453
BS1-0	38.625	1200	723585.474	723879.032	1.200
BS1-1	38.625	1200	723585.468	723919.734	1.725
BS1-2	38.625	1200	723585.456	723954.770	2.325
BS1-3 (PI)	38.625	1200	723585.456	723956.829	2.455
F1-6	38.250	1200	723585.497	723968.827	2.250
F1-7 (BD)	36.900	1200	723598.248	723970.861	3.500
F1-12 OUT	36.090	1200	723601.663	723976.225	2.785

PROPOSED FOUL PIPES

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
F1.000	F1-0	F1-1	70.336	41.700	40.430	1.270	55.4	225	3.675	2.239
F1.001	F1-1	F1-2	25.800	40.430	40.130	0.300	86.0	225	2.239	2.337
F1.002	F1-2	F1-3	51.900	40.130	39.600	0.530	97.9	225	2.337	2.291
F2.000	F2-0	F2-1	51.900	40.500	39.800	0.700	74.1	225	1.406	2.028
F2.001	F2-1	F1-3	15.500	39.800	39.600	0.200	77.5	225	2.028	2.291
F1.003	F1-3	F1-4 (BD)	23.709	39.600	39.300	0.300	79.0	225	2.291	1.475
F1.004	F1-4 (BD)	F1-5 (BD)	18.122	38.600	38.297	0.303	59.8	225	2.175	1.228
F1.005	F1-5 (BD)	F1-6	17.384	36.297	36.000	0.297	58.5	225	3.228	2.025
BS1.000	BS1-0	BS1-1	40.702	37.425	36.900	0.525	77.5	225	0.975	1.500
BS1.001	BS1-1	BS1-2	35.036	36.900	36.300	0.600	58.4	225	1.500	2.100
BS1.002	BS1-2	BS1-3 (PI)	2.059	36.300	36.270	0.030	68.6	225	2.100	2.130
BS1.003	BS1-3 (PI)	F1-6	11.998	36.170	36.000	0.170	70.6	225	2.230	2.025
F1.006	F1-6	F1-7 (BD)	12.912	36.000	35.700	0.300	43.0	225	2.025	0.975
F1.007	F1-7 (BD)	F1-12 OUT	6.359	33.400	33.305	0.095	66.9	225	3.275	2.560

PROPOSED STORM PIPES

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	Flow (l/s)	US Depth (m)
S2.000	S2-0	S2-1 (BD)	28.397	44.200	43.900	0.300	94.7	225	5.0	1.488
S2.001	S2-1 (BD)	S2-2	11.911	42.000	41.404	0.596	20.0	225	12.7	3.875
S2.002	S2-2	S2-3	32.128	41.404	41.243	0.161	199.6	225	12.7	1.271
S2.003	S2-3	S1-1 (BD)	9.633	41.243	41.195	0.048	200.7	225	12.7	1.432
S1.000	S1-0	S1-1 (BD)	70.000	43.000	41.300	1.700	41.2	225	25.8	2.458
S1.001	S1-1 (BD)	S1-2	35.200	40.000	39.500	0.500	70.4	375	66.7	2.610
S1.002	S1-2	S1-3	38.095	39.500	38.700	0.800	47.6	375	82.2	2.817
S3.000	S3-0	S3-1 (BD)	46.000	39.905	39.145	0.760	60.5	300	32.2	1.900
S4.000	S4-0	S3-1 (BD)	12.000	40.700	40.500	0.200	60.0	300	0.0	1.098
S3.001	S3-1 (BD)	S1-3	15.500	39.145	38.775	0.370	41.9	300	47.7	2.598
S1.003	S1-3	S1-4 (PI)	19.404	38.700	38.300	0.400	48.5	375	129.9	3.062
S1.004	S1-4 (PI)	S1-5	4.334	38.200	38.100	0.100	43.3	375	129.9	3.025
S1.005	S1-5	S1-6 (BD)	27.980	38.100	37.600	0.500	56.0	450	142.5	3.050
S1.006	S1-6 (BD)	S1-7	26.000	35.300	35.200	0.100	260.0	450	151.7	5.250
S1.007	S1-7	S1-8	11.501	35.200	35.150	0.050	230.0	450	151.7	1.350
S1.008	S1-8	S1-9	72.658	35.150	33.950	1.200	60.5	450	151.7	1.400
S1.009	S1-9	S1-10	15.933	33.950	33.750	0.200	79.7	450	168.9	4.600
S5.000	S5-0	S1-10	11.000	36.000	35.750	0.250	44.0	225	0.0	5.425
S1.010	S1-10	S1-11	27.969	32.500	32.150	0.350	80.0	225	168.9	6.275
S1.011	S1-11	S1-12 (BD)	16.350	32.150	31.946	0.204	80.0	225	168.9	5.525
S1.012	S1-12 (BD)	S1-13 (BD)	14.296	29.600	29.421	0.179	80.0	225	167.5	5.375
S1.013	S1-13 (BD)	S1-14	15.074	26.300	26.112	0.188	80.0	225	165.9	4.725
S1.014	S1-14	S1-15	24.604	26.112	23.652	2.460	10.0	225	165.0	1.163
S1.015	S1-15	S1-16	52.307	23.652	23.510	0.142	368.4	225	154.4	1.123
S1.016	S1-16	SWALE HEADWALL	2.295	23.510	23.500	0.010	229.5	225	154.0	0.265

NOTE:

DESIGN ALLOWS FOR ABSENCE OF POND 2A WORKS. HOWEVER, THE DEVELOPMENT COULD BE CONNECTED TO THE POND 2A WORKS ONCE COMPLETE SUBJECT TO CO-ORDINATION. ON THIS BASIS, POND 2A WORKS ARE SHOWN INDICATIVELY FOR REFERENCE AND IS SUBJECT TO CHANGE AS DESIGNED BY OTHERS

DEVELOPMENT TO BE CONNECTED TO POND 2A IN FINAL PERMANENT ARRANGEMENT

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BUILDING INFORMATION MODELLING (BIM) I.S. EN ISO 19650-2:2018 NSAI Certified

Rev	Amendment	By	Date
P01	ISSUED FOR PLANNING	FM	12-12-2025
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P03	ISSUED FOR PLANNING	FM	19-02-2026
P04	ISSUED FOR PLANNING	FM	24-03-2026

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Project: RESIDENTIAL DEVELOPMENT LEHAUNSTOWN, CHERRYWOOD
Title: PROPOSED DRAINAGE LAYOUT

Drawn:	Date drawn:	Technician Check:	Engineer Check:	Approved:
F McGibbon	12-12-2025	PJ Mulcahy	Mark Richardson	Leonard Brennan
Project No.: 232250	Model Ref: 232250-PUNCH-01-XX-M2-C-0201		Drawing Status: A0 - PLANNING	
Scale @ A1: 1:500	Document No.: 232250-PUNCH-01-XX-DR-C-0201			Revision No: P04