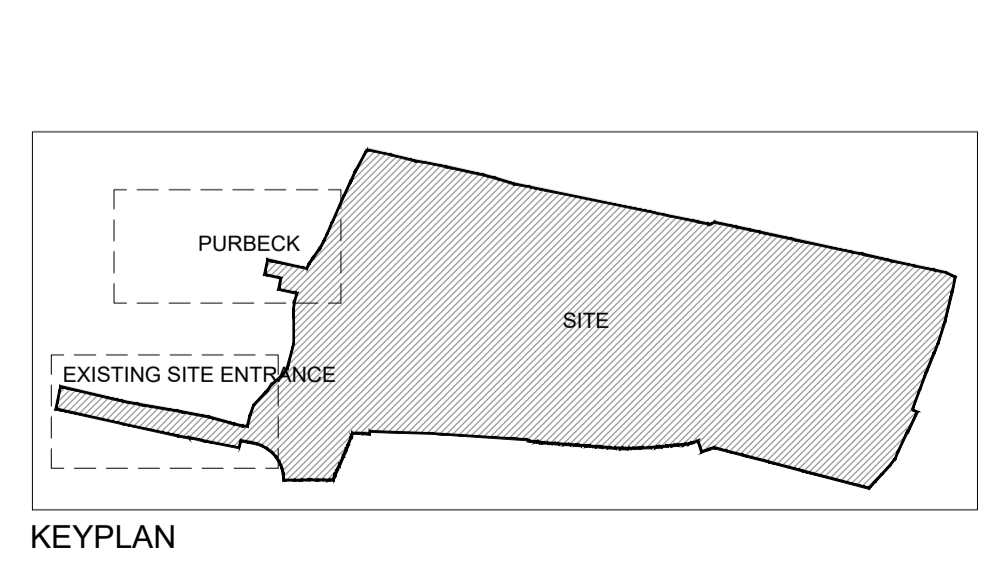
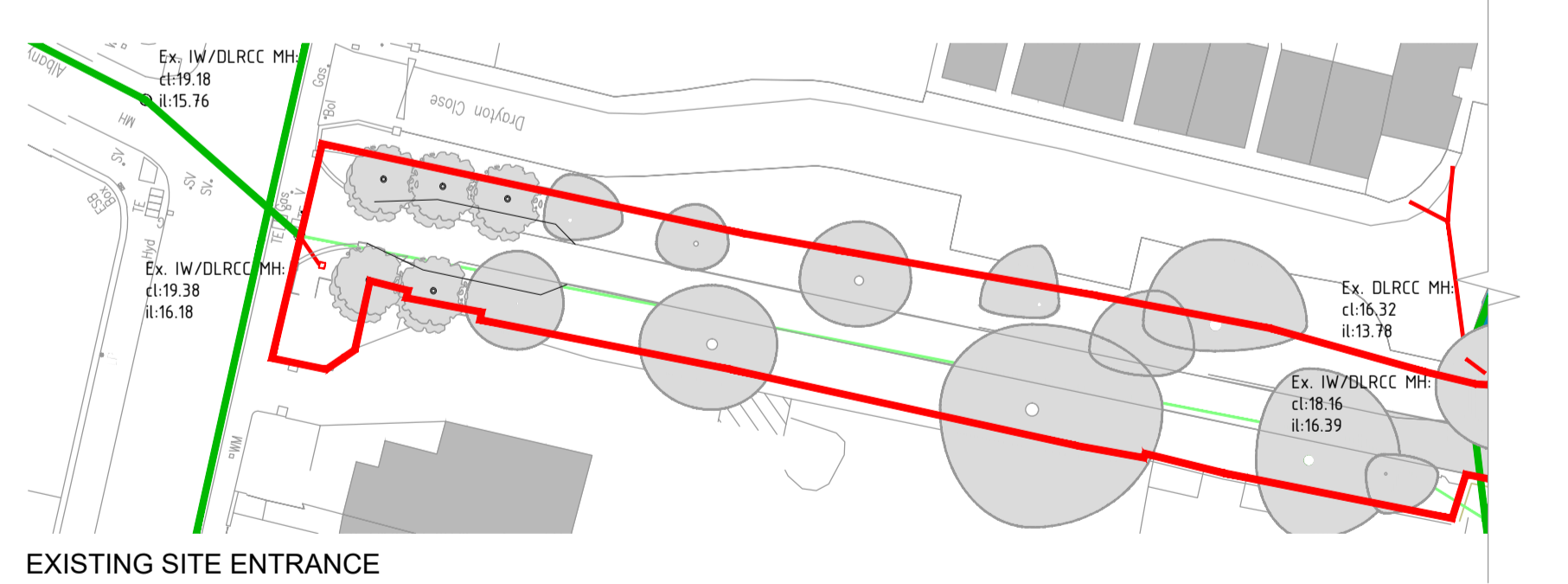


GENERAL NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS OTHER NOTED
2. ALL LEVELS ARE IN METERS AND RELATE TO THE ORDNANCE SURVEY DATUM.
3. FOR LONGSECTION CHAINAGE & LEVELS, REFER TO DWG. NO. W3683-DR-1024
4. FULL DETAIL OF TUNNEL AND SERVICES CO-ORDINATION TO BE PROVIDED WITH FULL PLANNING PERMISSION.
5. ALL PIPE DETAILS SHALL BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE AND IRISH WATER STANDARD DETAILS.
6. PIPE BEDDING SHALL COMPLY WITH WIS 4-08-02 AND IGN 4-08-01.
7. PIPES SHALL NOT BE SUPPORTED ON STONES OR ROCKS, OR ANY HARD OBJECT AT ANY POINT ALONG THE TRENCH. ROCK SHALL BE EXCAVATED TO A DEPTH OF 150mm BELOW THE ACTUAL DEPTH OF THE TRENCH WITH THE VOID FILLED WITH CLAUSE 804 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS. THE GRANULAR MATERIAL SHALL BE LAID ABOVE THIS VOID BACKFILL MATERIAL.
8. SHOULD PIPES HAVE MINIMUM COVER OF LESS THAN 800mm, CONCRETE GRADE C8/10 SHALL BE USED AS BACKFILL MATERIAL.
9. ALL WORKS OUTSIDE OF THE BOUNDARY ARE TO BE CARRIED OUT BY IRISH WATER. WHERE SEPARATION DISTANCE BETWEEN PIPE CROSSINGS ARE LESS THAN 300mm CONCRETE SURROUND IS TO BE PROVIDED IN ACCORDANCE WITH STD-WW-08 OF IRISH WATER CODE OF PRACTICE.
11. GIVEN THE PROXIMITY OF TREES, FOR TREE ROOT PROTECTION, TRENCHLESS ACTIVITIES TO BE CONSIDERED BY CONTRACTOR.
12. THE DESIGN HAS ACCOUNTED FOR SITE SPECIFIC GROUND CONDITIONS, IDENTIFIED FROM THE ICSL GROUND INVESTIGATION REPORT, MAY 2022.
13. WHERE MANHOLE COVERS ARE TO BE LOCATED IN SOFT LANDSCAPED/GRASS AREAS, TO ENSURE THAT MANHOLE COVERS ARE IDENTIFIABLE, ACCESSIBLE & WILL NOT BECOME OVERGROWN, COVERS ARE TO BE SURROUNDED BY A CONCRETE PLINTH, 200mm ALL ROUND AND 100mm DEEP FORMED WITH C20/25 CONCRETE, 20mm AGGREGATE SIZE, BEDDED IN CLAUSE 804 MATERIAL.
14. ALL MANHOLES TO BE A MINIMUM DISTANCE OF 500mm OFF THE KERB LINES AND 1m FOR THE SEWER WALL.

- LEGEND:
- SITE BOUNDARY
 - ADJACENT SITE IN OWNERSHIP OF APPLICANT
 - OUTLINE OF PROPOSED BUILDINGS
 - OUTLINE OF U/G EXCAVATION
 - RISING MAIN
 - ATTENUATION TANK
 - GREEN/BLUE ROOF
 - PAVING
 - ATS-NETLON OR SIMILAR APPROVED EMERGENCY ACCESS



- PROPOSED UTILITIES LEGEND
- Existing FS MH
 - Existing Public Gravity Main (Combined)
 - Existing Gravity Main (Foul)
 - New Foul Manhole
 - New Foul Pipe

PROPOSED UTILITIES PLAN SCALE: 1:500

PROPOSED FOUL PIPES											
IDENTITY	US NODE	DS NODE	LENGTH (m)	US IL (m)	DS IL (m)	FALL (m)	DROP IL (m)	SLOPE (1/X)	DIA. (mm)	US DEPTH (m)	DS DEPTH (m)
F1.000	FSMH-F1	FSMH-F2	33.950	23.470	22.340	1.1300	0.4950	1:30	150	1.4800	1.4350
F1.001	FSMH-F2	FSMH-F4	39.185	21.845	21.650	0.1950		1:100	225	1.9300	1.5750
F1.002	FSMH-F4	FSMH-F5	25.625	21.650	21.522	0.1280		1:200	225	1.5750	2.7530
F1.003	FSMH-F5	FSMH-F6	23.218	21.522	21.405	0.1170		1:200	225	2.7530	4.3700
F1.004	FSMH-F6	FSMH-F9	7.105	21.405	21.370	0.0350		1:200	225	4.3700	4.2550
F1.005	FSMH-F7	FSMH-F9	45.895	21.370	21.100	0.2700		1:200	225	4.2550	5.4450
F1.006	FSMH-F7	FSMH-F10	22.235	21.100	20.968	0.1320		1:200	225	5.4450	6.5570
F1.007	FSMH-F10	FSMH-F13	19.208	20.968	20.865	0.1030		1:200	225	6.5570	6.4100
F1.008	FSMH-F13	FSMH-F14	20.169	20.865	20.736	0.1290		1:200	225	6.4100	5.8890
F1.009	FSMH-F14	FSMH-F15	17.059	20.736	20.636	0.1000		1:200	225	5.8890	5.1390
F1.010	FSMH-F15	FSMH-F16	21.490	20.636	20.502	0.1340		1:200	225	5.1390	4.4730
F1.011	FSMH-F16	FSMH-F17	16.438	20.502	20.396	0.1060		1:200	225	4.4730	3.9290
F1.012	FSMH-F17	FSMH-F32	19.500	20.396	20.281	0.1150		1:200	225	3.9290	3.4940
F1.013	FSMH-F32	FSMH-F18	17.972	20.281	20.175	0.1060		1:200	225	3.4940	2.6000
F1.014	FSMH-F18	FSMH-F19	32.198	20.175	19.895	0.2800		1:115	225	2.6000	1.6800
F1.015	FSMH-F19	FSMH-F22	25.500	19.895	19.673	0.2220		1:115	225	1.6800	1.3020
F1.016	FSMH-F22	FSMH-F23	26.882	19.673	19.441	0.2320	1.1290	1:115	225	1.3020	1.2340
F1.017	FSMH-F23	FSMH-F24	18.724	19.441	18.125	0.1870	1.5000	1:100	225	1.2340	1.1300
F1.018	FSMH-F24	FSMH-F27	10.000	18.125	17.745	0.4700	1.5000	1:100	225	1.1300	2.6500
F1.019	FSMH-F27	FSMH-F27	15.000	17.745	15.625	0.1500	1.5000	1:100	225	2.6500	2.6500
F1.020	FSMH-F27	DLRCC MH2	7.991	15.625	14.030	0.0950	0.2500	1:100	225	4.1500	2.0650
F2.000	FSMH-F3	FSMH-F4	5.000	22.950	22.900	0.0500		1:70	225	0.3250	0.3250
F3.000	FSMH-F4	FSMH-F7	15.599	23.370	23.170	0.2000		1:80	225	3.8050	2.4550
F4.000	FSMH-F7	FSMH-F12	9.395	24.470	24.410	0.0600	1.5000	1:150	225	3.0500	2.7600
F4.001	FSMH-F12	FSMH-F10	11.539	22.910	22.830	0.0800		1:150	225	4.2640	4.6950
F5.000	FSMH-F20	FSMH-F21	8.650	21.511	21.453	0.0580	1.5000	1:150	225	2.2820	1.3220
F5.001	FSMH-F21	FSMH-F19	8.650	19.853	19.895	0.0580		1:150	225	2.8220	1.6800
F6.000	FSMH-F25	FSMH-F24	11.000	18.211	18.031	0.1800		1:60	225	0.4880	1.2440
F7.000	FSMH-F28	FSMH-F29	15.000	14.800	14.700	0.1000		1:150	225	0.9750	1.0750
F7.001	FSMH-F29	FSMH-F31	21.279	14.700	14.625	0.0750	0.8050	1:150	225	1.0750	1.1500
F7.002	FSMH-F31	DLRCC MH1	16.076	13.820	13.710	0.1100		1:150	225	1.9550	1.2250
F8.000	FSMH-F30	FSMH-F31	17.663	15.125	14.955	0.1700		1:150	225	0.6500	0.8200

PROPOSED FOUL MANHOLE					
IDENTITY	COVER LEVEL	DIA. (mm)	EASTING	NORTHING	DEPTH (m)
FSMH-F1	25.100	1200			1.630
FSMH-F2	24.000	1200			2.155
FSMH-F4	23.450	1200			1.800
FSMH-F5	24.500	1200			2.978
FSMH-F6	26.900	1200/1800			4.480
FSMH-F7	25.850	1200/1800			5.670
FSMH-F9	26.770	1200/1800			6.782
FSMH-F10	27.750	1200/1800			6.635
FSMH-F13	27.500	1200/1800			6.114
FSMH-F14	26.850	1200/1800			5.364
FSMH-F15	26.000	1200/1800			4.698
FSMH-F16	25.200	1200/1800			4.154
FSMH-F17	24.550	1200/1800			2.825
FSMH-F18	23.000	1200			1.905
FSMH-F19	21.800	1200			1.527
FSMH-F22	21.200	1200			2.588
FSMH-F23	19.500	1200			1.755
FSMH-F26	18.630	1200			2.855
FSMH-F27	18.500	1200/1800			4.390
DLRCC MH2	16.320	EX			2.540
FSMH-F3	23.500	1200			0.550
FSMH-F8	27.400	1200/1800			4.030
FSMH-F11	27.000	1200			2.530
FSMH-F12	24.000	1200/1800			4.490
FSMH-F20	24.000	1200			2.489
FSMH-F21	23.000	1200/1800			3.074
FSMH-F25	18.925	1200			0.714
FSMH-F28	16.000	1200			1.200
FSMH-F29	16.000	1200			1.300
FSMH-F31	16.000	1200			2.180
DLRCC MH1	15.160	EX			1.650
FSMH-F30	16.000	1200			1.000
FSMH-F32	24.000	1200/1800			3.719

PO 25/10/22	ISSUE FOR PLANNING	LT	RT	AG
Rev	Date	Description	By	Chk App

BYRNE LOOBY
WWW.BYRNELOOBY.COM

IRELAND | UK | UAE | BAHRAIN | KSA

CLIENT
GEDV MONKSTOWN OWNER LIMITED

PROJECT
RESIDENTIAL DEVELOPMENT ON LANDS OF DALGUISE HOUSE

DRAWING TITLE
PROPOSED UTILITIES PLAN
FOUL DRAINAGE LAYOUT

STATUS
FOR PLANNING

Date: 25/10/22	Scale: AS SHOWN	Drawn: LT	Chk: RT	App: AG
Project No: W3683	Drg. No: W3683-DR-1007	Rev: PO		