Project Management Initials: Designer: CD Checked: SG Approved: LS

SURFACE WATER NETWORK DETAILS

Pipe Number	US MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe Diameter (mm)	US Cover Depth (m)
S1.000	S1	41.896	0.210	199.5	123.180	122.970	125.170	225	1.765
S1.001	S2	36.550	0.182	200.8	122.970	122.788	124.301	225	1.106*
S2.000	S3	17.638	0.059	298.9	122.750	122.691	124.410	300	1.360
S1.002	S4	53.273	0.118	450.0	122.563	122.445	124.234	450	1.221
S2.001	S5	45.406	0.396	114.6	123.321	122.925	124.851	150	1.380
S2.002	S6	31.739	0.372	85.3	122.925	122.553	124.115	225	0.965*
S1.003	S7	51.880	0.116	448.7	122.445	122.329	123.633	450	0.738*
S1.004	S8	14.900	0.033	450.0	122.329	122.296	124.003	450	1.224
S1.005	POND 1	10.885	0.029	375.0	122.296	122.267	124.083	375	1.412
S3.000	S9	32.034	0.235	136.3	123.457	123.222	124.692	225	1.010*
S4.000	S10	23.221	0.129	180.0	123.426	123.297	124.273	225	0.622*
S3.001	S11	19.786	0.111	178.3	123.222	123.111	124.559	300	1.037*
S3.002	POND 2	8.139	0.054	151.3	123.111	123.057	123.376	225	N/A
S3.003	S12	9.828	0.066	148.9	123.057	122.991	124.109	225	0.827*
S5.000	S13	19.028	0.220	86.4	123.211	122.991	124.261	150	0.900*
S3.004	S14	10.554	0.143	73.6	122.991	122.848	124.146	225	0.930*
S1.006	POND 3	8.737	0.023	375.0	122.267	122.244	123.180	375	N/A
S1.007	S15	22.159	0.059	375.0	122.244	122.185	123.997	375	1.378
S1.008	S16	45.143	0.121	374.3	122.185	122.064	124.008	375	1.448
S6.000	S17	47.980	0.281	171.0	123.841	123.560	125.266	225	1.200
S6.001	S18	53.163	0.625	85.1	123.560	122.935	126.103	225	2.318
S7.000	S19	18.542	0.949	19.5	123.277	122.328	124.390	150	0.963*
S6.002	S20	8.022	0.047	171.0	122.935	122.888	124.360	225	1.200
S8.000	S21	39.566	1.417	27.9	123.698	122.281	124.748	150	0.900*
S6.003	S22	38.780	0.410	94.6	122.813	122.403	124.350	300	1.237
S9.000	S23	17.920	0.888	20.2	123.012	122.124	124.138	150	0.976*
S6.004	S24	14.930	0.339	44.0	122.403	122.064	123.903	300	1.200
S1.009	S25	10.083	0.027	375.0	122.064	122.037	123.746	375	1.307
S1.010	S26	10.836	0.036	300.0	122.037	122.001	123.728	375	1.316
S1.011	POND 4	7.052	0.035	201.5	121.800	121.765	123.000	225	0.975*
S1.012	S27	54.226	0.317	272.5	121.765	121.448	123.000	225	1.010*
S10.000	S29	32.082	0.143	225.0	120.305	120.162	121.897	375	1.217
S10.001	S30	32.612	0.145	225.0	120.162	120.017	121.742	375	1.205
S10.002	S31	9.262	0.041	225.0	120.017	119.976	121.573	375	1.181*
S10.003	S32	5.852	0.016	225.0	119.976	119.960	121.431	375	1.080*
S10.004	POND 5	9.663	0.048	201.9	119.950	119.902	121.364	225	1.189*
S10.005	S33	12.062	0.060	200.0	119.902	119.842	121.319	225	1.192*

FOUL WATER NETWORK DETAILS

Pipe Number	US MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe Diameter (mm)	US Cover Depth (m)
F1.000	F1	45.895	0.229	200.4	121.666	121.437	124.542	225	2.651
F1.001	F2	49.226	0.246	200.1	121.683	121.437	123.620	225	1.712
F1.002	F7	51.112	0.256	199.7	121.939	121.683	124.101	225	1.937
F1.003	F8	23.369	0.116	200.4	122.055	121.939	124.327	225	2.047
F1.004	F11	40.254	0.202	199.3	122.257	122.055	124.077	225	1.595
F1.005	F12	61.913	0.309	200.4	122.566	122.257	123.766	225	0.975
F1.006	F14	10.485	0.138	76.0	122.704	122.566	123.904	225	0.975
F1.007	F16	46.303	0.394	117.5	123.098	122.704	124.328	225	1.005
F1.008	F21	23.178	0.116	199.8	123.214	123.098	124.414	225	0.975
F1.009	F22	14.490	0.156	93.0	121.437	121.281	124.219	225	2.557
F2.000	F4	39.474	0.197	200.4	122.289	122.092	124.776	225	2.262
F2.001	F5	40.945	0.205	199.7	122.092	121.887	124.948	225	2.631
F2.002	F6	40.792	0.204	200.0	121.887	121.683	124.304	225	2.192
F3.000	F3	37.674	0.188	200.4	122.280	122.092	125.168	225	2.663
F4.000	F9	19.274	0.097	198.7	122.176	122.079	124.554	225	2.153
F4.001	F10	4.848	0.024	202.0	122.079	122.055	124.365	225	2.061
F5.000	F13	21.915	0.110	200.0	122.676	122.566	123.849	225	0.948
F6.000	F15	20.295	0.102	200.0	122.806	122.704	124.208	225	1.177
F7.000	F17	36.465	0.182	200.0	123.311	123.129	124.710	225	1.174
F7.001	F18	6.174	0.031	200.1	123.129	123.098	124.352	225	0.999
F8.000	F19	47.063	0.235	200.0	123.597	123.362	125.351	225	1.529
F8.001	F20	52.747	0.264	200.0	123.362	123.098	125.977	225	2.390
F1.010	F24	7.131	0.036	200.0	121.596	121.560	122.730	225	0.909*
F10.000	F25	57.299	0.955	60.0	120.538	119.583	121.888	150	1.200
F10.001	F26	22.074	0.293	75.3	119.583	119.290	121.569	150	1.836
F10.002	F27	36.636	0.244	150.0	119.215	118.971	121.000	225	1.560
F10.003	F28	36.612	0.244	150.0	118.971	118.727	120.750	225	1.554
F10.004	F29	6.112	0.041	150.0	118.727	118.686	120.650	225	1.698

NOTE
1. ROAD GULLIES TO BE POSITIONED AT LOW POINTS ALONG ROADWAYS AND AT INTERVALS SUCH THAT CATCHMENTS ARE NO GREATER THAN 200m². NO GULLIES TO BE POSITIONED IN FRONT OF TREE PITS.
2. PIPES MARKED WITH * TO HAVE A CONCRETE SURROUND DUE TO THE UPSTREAM DEPTH LESS THAN 1.2m.

A	PROPOSED DRAINAGE TABLES
000503	Scale: AS SHOWN

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AECOM

PROJECT

SDCC RATHCOOLE

CLIENT

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NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS, ANY DISCREPANCIES, ERRORS OR OMISSIONS TO BE BROUGHT TO THE ATTENTION OF THE DESIGNER.
2. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
3. AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
4. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
5. DO NOT SCALE, ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
6. EXISTING SERVICES INFORMATION ON THIS DRAWING HAS BEEN BASED ON THE TOPOGRAPHICAL SURVEY FOR THE SITE CARRIED OUT BY MURPHY GEOSPATIAL ON 28/08/2025.
7. THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
8. MANHOLE COVERS AND FRAMES IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124:2015.
9. GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124:2015.
10. EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
11. SURFACE WATER & FOUL SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICKED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE Ø750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
12. ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
13. CCTV SURVEY TO BE CONDUCTED PRIOR TO COMMENCEMENT OF ANY WORKS TO DETERMINE THE CONDITION AND VERIFY LEVELS OF THE EXISTING FOUL AND SURFACE WATER PIPES/ MANHOLES. ANY SUB-STANDARD OR DEFECTIVE ELEMENTS OF THE EXISTING PIPES/MANHOLES TO BE REPORTED AND CORRECTED.
14. ALL SURFACE WATER DRAINAGE DETAILS TO BE IN ACCORDANCE WITH THE GREATER DUBLIN STRATEGIC DRAINAGE STUDY AND THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS.
15. ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE UISCE ÉIREANN INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.

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PLANNING

ISSUE/REVISION

I/R	DATE	DESCRIPTION
0	09.10.202	PLANNING ISSUE

PROJECT NUMBER

60739527

SHEET TITLE

PROPOSED DRAINAGE TABLES

SHEET NUMBER

RATH-ACM-XX-00-DR-C-000503