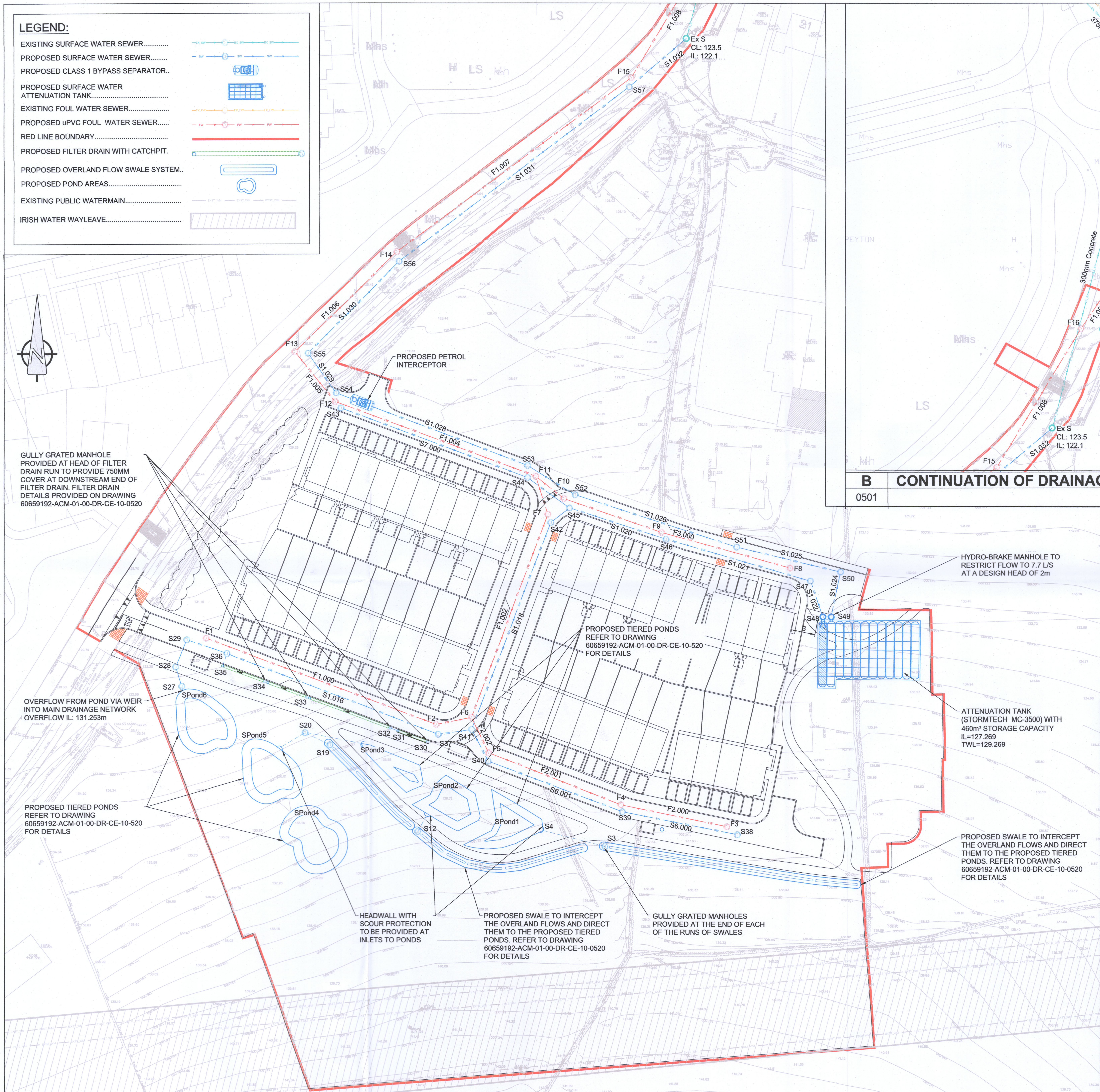
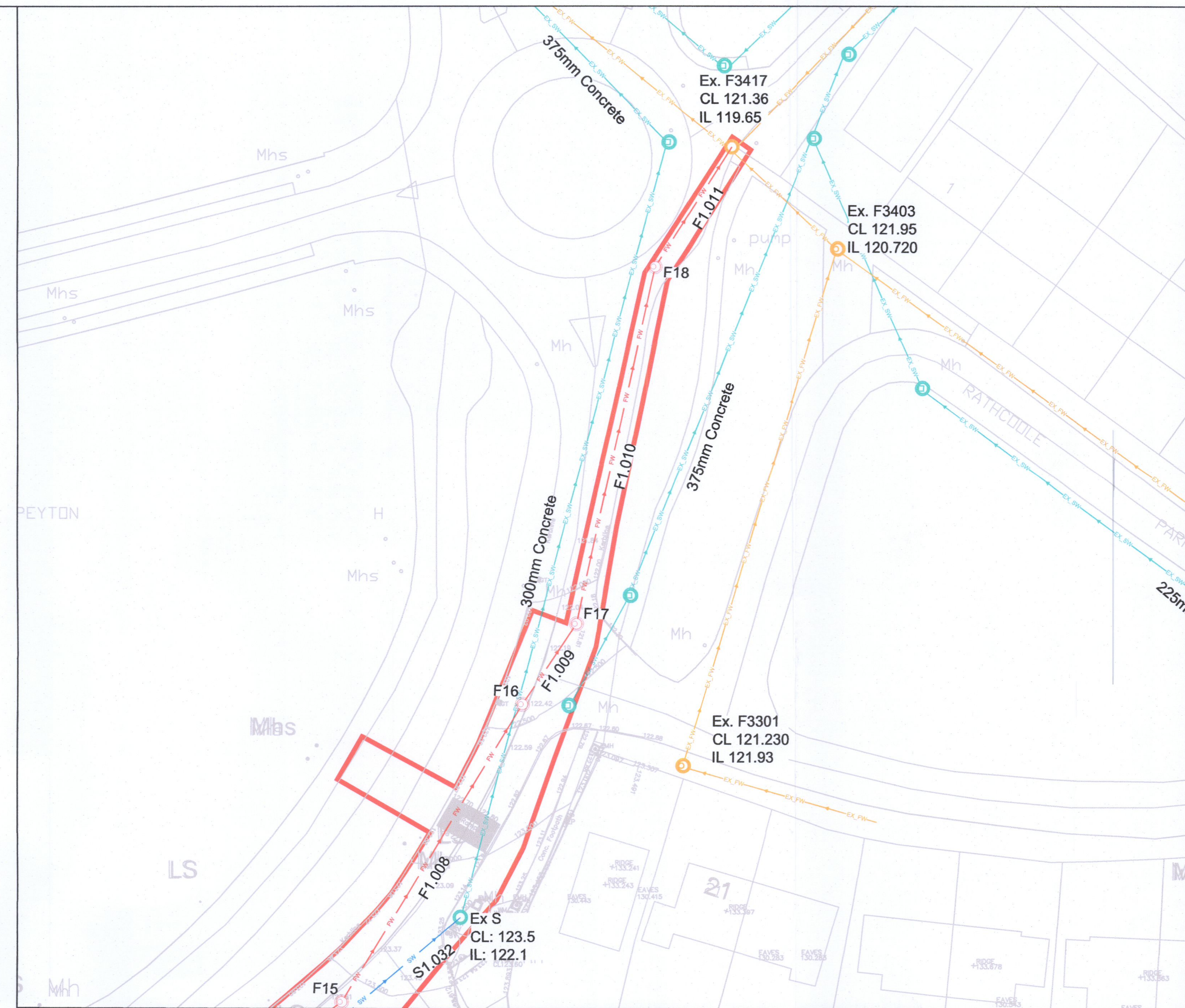
ISO A1 594mm x 841mm   Approved: LS   Checked: JC   Drawn By:KM   Project Management Initials:

Last saved by: JAMIE.CULLEN(2023-02-22)   Last Plotted: 2023-04-14
Filename: \\NA.AECOMNET.COM\LFS\EMEA\DUBLIN-IEDBL2\LEGACY\IEDBL2FP001\DATA\DCS\PROJECTS\CI\60659192_STONEYHILL\900_CAD_GIS\904_CE\01_WIP\02_SHEETS\60659192-ACM-01-00-DR-CE-10-0501.DWG



A | PROPOSED DRAINAGE LAYOUT
0501 | Scale: 1:500



B | CONTINUATION OF DRAINAGE LAYOUT
0501 | Scale: 1:500

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 DIA (mm)	US Cover Depth (m)
F1.000	F1	61.912	0.413	150	129.271	128.858	130.307	150	0.886
F1.001	F2	9.036	0.060	150	128.858	128.798	133.785	150	4.776
F2.000	F3	27.157	1.086	25	135.507	134.421	136.870	150	1.213
F2.001	F4	35.856	1.793	20	134.421	132.628	135.781	150	1.210
F2.002	F5	9.785	0.065	150	132.628	132.563	134.336	150	1.558
F1.002	F6	54.313	0.272	200	128.723	128.451	133.994	225	5.046
F1.003	F7	9.919	0.050	200	128.451	128.402	132.228	225	3.551
F3.000	F8	33.615	0.560	60	131.505	130.945	132.903	150	1.248
F3.001	F9	25.868	0.498	52	130.945	130.447	132.479	150	1.384
F3.002	F10	8.942	0.291	31	130.447	130.156	132.146	150	1.549
F1.004	F11	53.812	0.359	150	128.402	128.043	131.769	225	3.142
F1.005	F12	16.068	0.730	22	125.780	125.050	129.606	225	3.601
F1.006	F13	35.806	1.628	22	125.050	123.422	126.180	225	0.905
F1.007	F14	73.033	0.974	75	123.422	122.449	125.200	225	1.553
F1.008	F15	40.491	1.687	24	122.449	120.762	123.610	225	0.936
F1.009	F16	11.259	0.512	22	120.762	120.250	122.310	225	1.323
F1.010	F17	42.631	0.284	150	120.250	119.966	122.040	225	1.565
F1.011	F18	16.485	0.227	73	119.966	119.739	121.500	225	1.309

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 DIA (mm)	US Cover Depth (m)
S1.002	S3	15.945	0.725	22	135.400	134.675	136.350	225	0.725
S1.003	S4	12.416	0.062	200	134.178	134.116	135.000	225	0.597
S1.004	SPond 1	4.025	0.310	13	134.116	133.806	134.941	225	0.6
S2.005	S12	11.223	0.321	35	134.228	133.907	134.601	225	0.148
S1.006	SPond 2	2.775	0.350	8	133.381	133.031	134.206	225	0.6
S1.008	SPond 3	15.129	0.598	25	132.450	131.852	133.275	225	0.6
S3.003	S19	7.158	0.358	20	132.210	131.852	133.313	225	0.878
S1.009	S20	14.399	0.050	288	131.777	131.727	132.677	300	0.6
S4.001	SPond 4	4.005	1.001	4	133.397	132.396	134.222	225	0.6
S1.010	SPond 5	2.565	0.641	4	131.727	131.086	132.627	300	0.6
S1.012	SPond 6	1.083	0.011	100	130.653	130.642	131.628	375	0.6
S1.013	S27	5.071	0.135	38	129.035	128.900	131.327	375	1.917
S1.014	S28	7.248	0.176	41	128.900	128.724	130.422	375	1.147
S1.015	S29	10.631	0.356	30	128.724	128.368	130.085	375	0.986
S5.000	S30	8.211	0.082	100	132.512	132.430	133.859	225	1.122
S5.001	S31	2.061	0.103	20	132.430	132.327	133.405	225	0.75
S5.002	S32	22.541	0.225	100	131.277	131.052	133.290	225	1.788
S5.003	S33	11.270	0.113	100	130.533	130.420	132.027	225	1.269
S5.004	S34	11.270	0.113	100	129.902	129.789	131.395	225	1.268
S5.005	S35	3.250	0.102	32	129.339	129.237	130.764	225	1.2
S1.016	S36	56.935	0.284	201	128.368	128.084	130.686	375	1.943
S1.017	S37	8.513	0.022	387	128.084	128.062	133.850	375	5.391
S6.000	S38	29.431	0.785	38	135.025	134.240	136.984	375	1.584
S6.001	S39	36.016	0.960	38	133.794	132.834	135.799	375	1.63
S6.002	S40	8.914	0.241	37	132.715	132.474	134.353	375	1.263
S1.018	S41	55.457	0.144	385	127.987	127.843	133.938	450	5.501
S1.019	S42	5.949	0.016	372	127.693	127.677	132.266	600	3.973
S7.000	S43	50.075	0.295	170	128.200	127.905	129.661	225	1.236
S7.001	S44	12.911	0.076	170	127.905	127.829	131.682	225	3.552
S1.020	S45	25.483	0.064	398	127.454	127.390	132.158	600	4.104
S1.021	S46	37.882	0.095	399	127.390	127.295	132.474	600	4.484
S1.022	S47	9.566	0.021	456	127.295	127.274	132.937	600	5.042
S1.023	S48	2.135	0.005	427	127.274	127.269	133.391	600	5.517
ATT. TANK		11.627	0.068	171	127.269	127.201	133.414	225	5.92
S1.025	S50	26.956	0.200	135	127.201	127.001	133.033	225	5.607
S1.026	S51	43.556	0.256	170	127.001	126.745	132.709	225	5.482
S1.027	S52	13.043	0.077	169	126.745	126.668	132.131	225	5.16
S1.028	S53	51.444	1.513	34	126.668	125.155	131.627	225	4.733
S1.029	S54	12.146	0.620	20	125.155	124.535	129.567	225	4.187
S1.030	S55	32.435	1.256	26	124.535	123.279	125.970	225	1.21
S1.031	S56	72.222	1.011	71	123.279	122.268	125.240	225	1.736
S1.032	S57	22.321	0.149	150	122.268	122.120	123.730	225	1.237

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AECOM

PROJECT

PROPOSED RESIDENTIAL DEVELOPMENT AT LANDS AT STONEY HILL ROAD, RATHCOOLE, Co. DUBLIN

CLIENT

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CONSULTANT

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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. DRAWING TO BE READ IN CONJUNCTION WITH LANDSCAPE'S ARCHITECT DRAWINGS.
3. ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
4. AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
5. DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
6. DO NOT SCALE, ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
7. EXISTING SERVICES SHOWN ON DRAWINGS ARE BASED ON PUBLIC RECORDS AVAILABLE AT THE DATE OF THIS PLANNING APPLICATION. RECORDS COULD BE INACCURATE, THEREFORE SHOULD BE VERIFIED VIA GPR AND MANHOLE SURVEY.
8. THE TOPOGRAPHICAL SURVEY WAS PROVIDED BY STANLEY RESIDENTIAL, DATED 29TH APRIL.
9. THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
10. 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 124-2:2015.
11. GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124-2:2015.
12. EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
13. 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.
14. ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
15. RAINWATER BUTTS TO BE INSTALLED AT THE BACK OF EACH PROPOSED DWELLING.
16. 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.
17. 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.
18. ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
19. PROPOSED PIPEWORKS WITH COVER TO GROUND BETWEEN 750mm AND 1.2m TO BE CONCRETE SURROUNDED.
20. FOR PROPOSED SUDS SYSTEMS LAYOUT PLEASE REFER TO DRAWING 60659192-ACM-01-00-DR-CE-10-0520.

AECOM PLANNING

ISSUE/REVISION

I/R	DATE	DESCRIPTION
1	14.04.2023	RFI RESPONSE
0	19.08.2022	PLANNING ISSUE

PROJECT NUMBER

60659192

SHEET TITLE

PROPOSED DRAINAGE LAYOUT

SHEET NUMBER

60659192-ACM-01-00-DR-CE-10-0501

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