ISO A1 594mm x 841mm

Approved: CH

Checked: DM

Designer: KM

Project Management Initials:

Last saved by: ORRN(2022-04-14) Last Plotted: 2022-04-14

Filename: \\NA.AECOMNET.COM\LFS\EMEA\DUBLIN-IEDBL2LEGACY\IEDBL2FP001\DATA\DCS\PROJECTS\BP\60650394_SDCC_CLONBURRIS\900_CAD_GIS\904_CE\01_WIP\02_SHEETS\CLON-ACM-00-XX-DR-C-10-0501 - PROPOSED DRAINAGE LAYOUT.DWG

LEGEND

- PROPOSED WASTEWATER
- PROPOSED SURFACE WATER
- PROPOSED COMBINED SEWER
- LINK ROAD WASTEWATER
- LINK ROAD SURFACE WATER
- LINK ROAD RISING MAIN
- EXISTING WASTEWATER
- EXISTING SURFACE WATER
- EXISTING WASTEWATER TO BE DECOMMISSIONED

SURFACE WATER NETWORK DETAILS

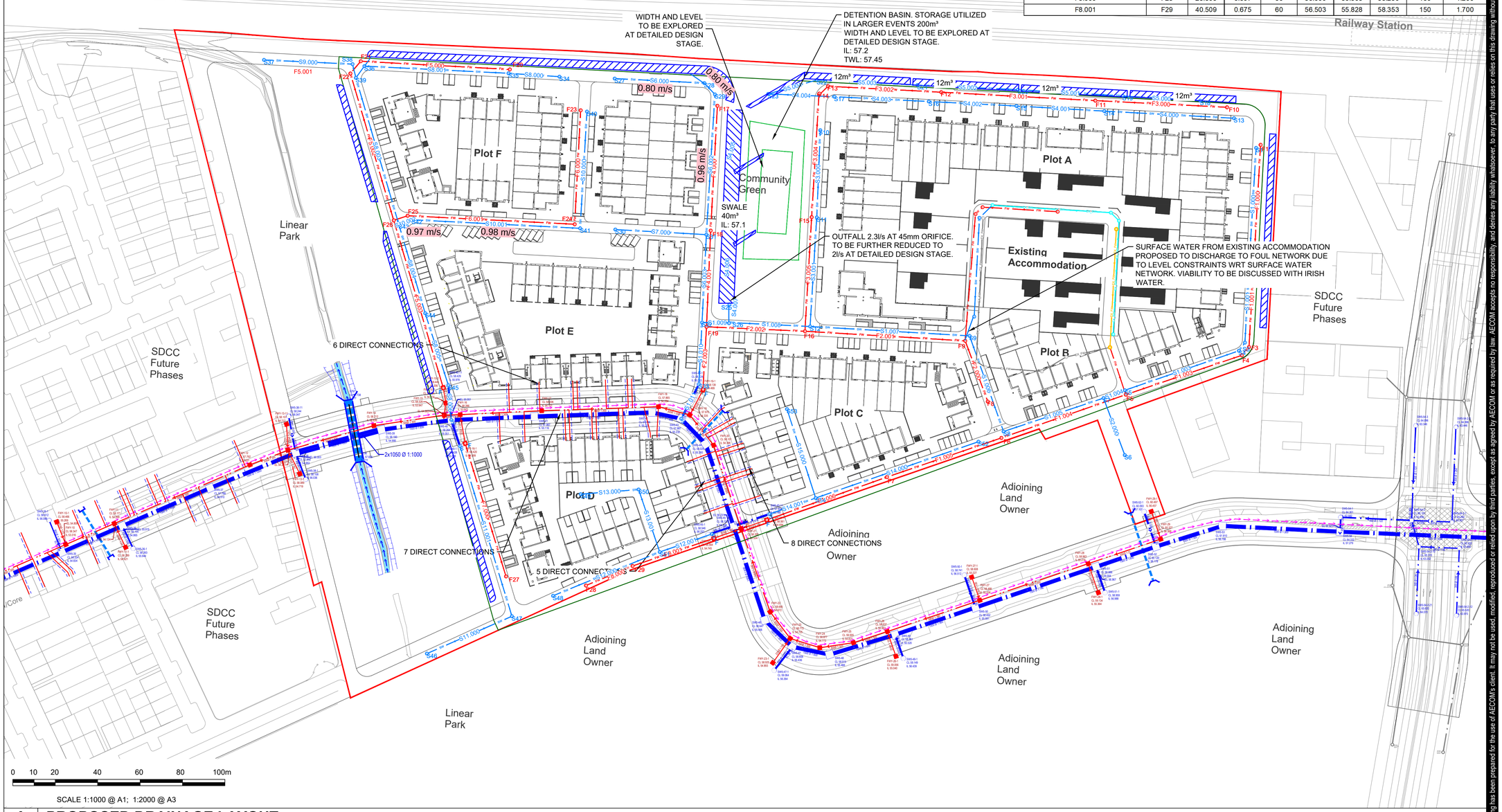
Pipe Number	US/MH Name	Pipe Length (m)	Fall (m)	Slope (1:X)	US/IL (m)	DS/IL (m)	US/CL (m)	Pipe DIA (mm)	US Cover Depth (m)
S1.000	S1	53.206	0.217	245	58.000	57.783	59.333	300	1.033
S1.001	S2	38.770	0.158	245	57.708	57.550	59.000	375	0.917
S1.002	S3	4.788	0.020	245	57.550	57.530	58.770	375	0.845
S1.003	S4	56.906	0.232	245	57.530	57.298	58.750	375	0.845
S1.004	S5	10.723	0.128	84	57.298	57.170	58.525	375	0.853
S2.000	S6	28.690	0.180	159	57.500	57.320	59.000	225	1.275
S1.005	S7	49.679	0.250	199	57.170	56.920	58.580	375	1.035
S1.006	S8	47.876	0.147	325	56.920	56.773	58.100	375	0.805
S1.007	S9	75.300	0.350	215	56.698	56.348	58.225	450	1.077
S3.000	S10	41.130	0.242	170	57.150	56.908	58.256	225	0.881
S3.001	S11	51.526	0.303	170	56.833	56.530	58.021	300	0.888
S1.008	S12	36.439	0.135	270	56.348	56.213	57.678	450	0.880
S4.000	S13	61.230	0.405	151	58.400	57.995	59.377	225	0.752
S4.001	S14	41.488	0.296	140	57.995	57.698	59.000	225	0.780
S4.002	S15	41.380	0.169	244	57.623	57.454	58.635	300	0.712
S4.003	S16	44.540	0.188	236	57.454	57.265	58.470	300	0.716
S4.004	S17	31.238	0.065	479	57.265	57.200	58.055	300	0.490
S5.000	S18	36.600	0.289	127	58.700	58.411	59.500	150	0.650
S5.001	S19	49.465	0.291	170	58.411	58.120	59.161	150	0.600
S5.002	S20	47.432	0.279	170	58.120	57.841	58.870	150	0.600
S5.003	S21	47.445	0.279	170	57.841	57.562	58.600	150	0.609
S5.004	S22	23.910	0.251	95	57.562	57.311	58.300	150	0.588
S4.005	S23	57.749	0.100	578	57.200	57.100	58.100	300	0.600
S4.006	S24	37.377	0.100	374	57.100	57.000	58.100	225	0.775
S4.007	S25	14.639	0.060	245	56.925	56.865	58.150	300	0.925
S1.009	S26	14.547	0.177	82	56.213	56.035	57.557	450	0.894
S6.000	S27	42.285	0.160	265	57.000	56.840	58.081	225	0.856

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)
S6.001	S28	7.335	0.028	262	56.840	56.812	57.994	225	0.929
S6.002	S29	66.251	0.250	265	56.737	56.488	58.033	300	0.996
S7.000	S30	42.983	0.436	99	56.950	56.514	58.358	225	1.183
S6.003	S31	41.430	0.207	200	56.439	56.232	58.021	300	1.281
S1.010	S32	29.178	0.058	500	55.885	55.827	57.673	600	1.188
S1.011	S33	18.305	0.037	500	55.827	55.790	57.999	600	1.572
S8.000	S34	24.089	0.142	170	57.000	56.858	58.051	225	0.826
S8.001	S35	67.990	0.278	245	56.783	56.506	58.220	300	1.137
S8.002	S36	6.837	0.028	245	56.506	56.478	57.899	300	1.093
S9.000	S37	41.762	0.246	170	57.000	56.754	58.100	225	0.875
S9.001	S38	6.664	0.125	53	56.754	56.630	57.861	225	0.881
S8.003	S39	72.027	0.332	217	56.478	56.146	57.923	300	1.145
S10.000	S40	55.157	0.225	245	56.780	56.555	58.057	300	0.977
S10.001	S41	79.376	0.234	339	56.480	56.246	58.282	375	1.427
S10.002	S42	6.590	0.019	345	56.095	56.076	57.923	375	1.453
S8.004	S43	43.662	0.088	496	55.921	55.833	57.920	525	1.474
S8.005	S44	35.726	0.072	496	55.833	55.761	58.146	525	1.788
S8.006	S45	16.343	0.033	495	55.761	55.728	58.336	525	2.050
S11.000	S46	43.780	0.365	120	56.800	56.435	58.100	225	1.075
S11.001	S47	83.759	0.600	140	56.360	55.760	58.058	300	1.398
S12.000	S48	54.360	0.320	170	57.000	56.680	58.165	225	0.940
S13.000	S49	27.411	0.161	170	57.300	57.139	58.500	225	0.975
S13.001	S50	31.097	0.183	170	57.139	56.956	58.500	225	1.136
S12.001	S51	26.000	0.153	170	56.680	56.527	58.430	225	1.525
S14.000	S52	81.209	0.478	170	57.000	56.522	58.340	225	1.115
S15.000	S53	44.067	0.259	170	56.800	56.541	57.964	225	0.939
S14.001	S54	23.159	0.136	170	56.522	56.386	58.474	225	1.726

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	52.437	0.874	60	57.989	57.115	59.339	150	1.200
F1.001	F2	43.084	0.313	138	57.115	56.802	58.998	150	1.733
F1.002	F3	5.144	0.037	138	56.802	56.764	58.706	150	1.754
F1.003	F4	57.755	0.420	138	56.764	56.344	58.672	150	1.757
F1.004	F5	62.100	0.311	200	55.600	55.290	58.529	225	2.704
F1.005	F6	57.032	0.285	200	55.290	55.004	58.086	225	2.572
F1.006	F7	60.172	0.301	200	55.004	54.703	58.643	225	3.414
F2.000	F8	30.559	1.019	30	56.400	55.381	58.341	150	1.791
F2.001	F9	75.695	0.378	200	55.306	54.928	58.165	225	2.634
F3.000	F10	62.184	1.036	60	58.070	57.034	59.420	150	1.200
F3.001	F11	72.743	0.529	138	57.034	56.505	58.971	150	1.788
F3.002	F12	53.491	0.389	138	56.505	56.116	58.439	150	1.784
F3.003	F13	5.978	0.043	138	56.116	56.072	58.078	150	1.812
F3.004	F14	57.610	0.288	200	55.997	55.709	58.117	225	1.895
F3.005	F15	53.900	0.270	200	55.709	55.440	58.025	225	2.091
F2.002	F16	46.446	0.232	200	54.928	54.696	57.666	225	2.513
F4.000	F17	58.925	0.982	60	56.718	55.736	58.068	150	1.200
F4.001	F18	45.404	0.330	138	55.736	55.406	58.046	150	2.160
F2.003	F19	29.592	0.148	200	54.696	54.548	57.693	225	2.772
F5.000	F20	70.383	1.173	60	56.800	55.627	58.215	150	1.265
F5.001	F21	7.555	0.126	60	55.627	55.501	57.856	150	2.079
F5.002	F22	72.202	0.361	200	55.426	55.065	57.909	225	2.258
F6.000	F23	53.805	0.359	150	56.700	56.341	58.056	150	1.206
F6.001	F24	78.869	0.394	200	56.266	55.872	58.268	225	1.777
F6.002	F25	6.895	0.034	200	55.872	55.837	57.879	225	1.782
F5.003	F26	82.389	0.412	200	55.065	54.653	57.888	225	2.598
F7.000	F27	65.600	0.477	138	56.831	56.354	58.181	150	1.200
F8.000	F28	23.803	0.397	60	56.900	56.503	58.250	150	1.200
F8.001	F29	40.509	0.675	60	56.503	55.828	58.353	150	1.700



A	PROPOSED DRAINAGE LAYOUT
0501	Scale: 1:1000

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AECOM

PROJECT

CLONBURRIS PHASE 01

CLIENT

SOUTH DUBLIN COUNTY COUNCIL

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. 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. THE PROPOSED SURFACE WATER SEWERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATION OF SECTION 3 OF "RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS" (DEPARTMENT OF ENVIRONMENT & LOCAL GOVERNMENT 1998) AND IRISH WATER STANDARD DETAILS.
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 IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
16. POSITION OF GULLIES TO BE AGREED AT DETAILED DESIGN STAGE

AECOM PLANNING

Comhairle Contae Átha Cliath Theas
South Dublin County Council

ISSUE/REVISION

I/R	DATE	DESCRIPTION
0	13.04.2022	PART 8 SUBMISSION

PROJECT NUMBER

60591832

SHEET TITLE

PROPOSED DRAINAGE LAYOUT

SHEET NUMBER

CLON-ACM-00-XX-DR-C-10-0501

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