

ISO A1 594mm x 841mm  
 Approved: EMcK  
 Checked: AP  
 Designer: JC  
 Project Management Initials:  
 Last saved by: ALLEN PRENDERGAST (2021-10-26) Last Plotted: 2021-12-03  
 Filename: I:\AECOM\NET\COM\KUBIE\B\333915\_GLOUNTHAUNE\_PHASE\_2\900\_CAD\_GIS\904\_CEO1\_WIP\02\_SHEETS\052432-ACM-00-00-DR-CE-10-0501.DWG

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	S1-0	31.308	1.252	25	107.300	106.048	108.786	225	1.261
S1.001	S1-1	57.546	1.918	30	106.048	104.130	107.486	225	1.213
S2.000	S2-0	38.663	0.859	45	106.500	105.641	107.871	225	1.146
S2.001	S2-1	6.184	0.137	45	105.641	105.504	107.021	225	1.155
S2.002	S2-2	39.985	0.889	45	105.504	104.615	106.897	225	1.168
S2.003	S2-3	6.479	0.259	25	104.615	104.356	106.018	225	1.178
S1.002	S1-2	65.418	3.271	20	104.000	100.729	105.685	225	1.460
S3.000	S3-0	51.129	0.639	80	101.800	101.161	103.316	225	1.291
S3.001	S3-1	5.937	0.074	80	101.161	101.087	102.585	225	1.199
S3.002	S3-2	34.165	0.427	80	101.087	100.660	102.526	225	1.214
S1.003	S1-3	18.464	0.615	30	100.400	99.785	101.959	300	1.259
S1.004	S1-4	39.615	1.981	20	99.785	97.804	101.341	300	1.256
S1.005	S1-5	39.615	1.981	20	97.804	95.823	99.532	300	1.428
S1.006	S1-6	6.220	0.311	20	95.823	95.512	97.245	300	1.122
S1.007	S1-7	50.591	2.530	20	94.800	92.270	96.857	300	1.757
S1.008	S1-8	55.971	2.799	20	91.300	88.501	93.797	300	2.197
S1.009	S1-9	8.427	0.421	20	88.300	87.879	89.746	300	1.146
S4.000	S4-0	29.223	1.461	20	105.500	104.039	107.584	225	1.859
S5.000	S5-0	37.642	1.075	35	105.000	103.925	106.402	225	1.177
S4.001	S4-1	29.087	1.454	20	103.200	101.746	105.215	225	1.790
S4.002	S4-2	45.698	2.285	20	101.500	99.215	103.193	225	1.468
S4.003	S4-3	7.239	0.241	30	99.215	98.974	100.685	225	1.245
S4.004	S4-4	50.509	0.631	80	98.974	98.343	100.438	225	1.239
S4.005	S4-5	10.849	0.136	80	98.343	98.207	99.852	225	1.285
S4.006	S4-6	32.024	0.400	80	98.207	97.807	99.700	225	1.268
S4.007	S4-7	29.244	0.335	87	97.807	97.472	99.320	225	1.288
S4.008	S4-8	6.762	0.098	69	97.472	97.374	98.985	225	1.288
S4.009	S4-9	10.707	0.128	84	97.374	97.246	98.898	225	1.299
S4.010	S4-10	54.449	1.869	29	97.000	95.131	99.050	225	1.825
S4.011	S4-11	7.395	0.492	15	93.500	93.008	96.636	225	2.911
S4.012	S4-12	5.618	0.375	15	91.500	91.125	94.000	225	2.275
S4.013	S4-13	6.198	0.354	18	89.500	89.146	92.000	225	2.275
S4.014	S4-13	15.612	0.158	99	89.146	88.988	90.534	225	1.163
S4.015	S4-15	47.988	0.600	80	88.988	88.388	91.321	225	2.108
S4.016	S4-16	79.602	0.918	87	88.388	87.470	89.521	225	0.908
S1.010	S1-10	3.826	0.203	19	87.395	87.192	89.135	300	1.440
S1.011	S1-11	2.044	0.032	64	87.192	87.160	90.000	300	2.508
S1.012	S1-12	38.004	0.253	150	87.085	86.832	90.000	375	2.540
S6.000	S6-0	63.011	1.800	35	91.000	89.200	92.973	225	1.748
S6.001	S6-1	17.526	0.501	35	89.200	88.699	90.717	225	1.292
S6.002	S6-2	5.241	0.150	35	88.699	88.549	90.147	225	1.223
S1.013	S1-13	7.159	0.036	200	86.832	86.796	90.000	375	2.793
S1.014	S1-14	9.132	0.046	199	86.796	86.750	90.000	375	2.829
S7.000	S7-0	48.697	0.243	200	86.700	86.457	88.169	225	1.244
S1.015	S1-15	21.513	0.215	100	86.307	86.092	89.572	375	2.890

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	F1-0	25.594	0.450	57	107.000	106.550	108.702	150	1.552
F1.001	F1-1	49.643	1.867	27	106.550	104.683	107.900	150	1.200
F2.000	F2-0	38.513	0.642	60	106.370	105.728	107.724	150	1.204
F2.001	F2-1	6.339	0.106	60	105.728	105.622	107.083	150	1.205
F2.002	F2-2	42.560	0.948	45	105.622	104.677	106.973	150	1.201
F1.002	F1-2	70.519	3.983	18	104.275	100.292	106.103	150	1.678
F3.000	F3-0	41.652	0.694	60	104.376	103.682	106.938	150	2.412
F3.001	F3-1	24.370	1.311	19	103.682	102.371	105.392	150	1.560
F3.002	F3-2	56.933	0.712	80	102.371	101.659	103.745	150	1.224
F3.003	F3-3	8.300	0.098	85	101.659	101.561	103.258	150	1.449
F3.004	F3-4	31.110	0.891	35	101.561	100.670	103.020	150	1.309
F1.003	F1-3	17.730	0.610	29	100.200	99.590	102.044	225	1.619
F1.004	F1-4	28.460	1.294	22	99.590	98.296	101.434	225	1.619
F1.005	F1-5	46.536	2.115	22	98.000	95.885	100.116	225	1.891
F1.006	F1-6	6.640	0.302	22	95.885	95.583	97.420	225	1.310
F1.007	F1-7	14.483	0.658	22	95.405	94.747	97.014	225	1.384
F1.008	F1-8	36.766	1.671	22	94.193	92.522	96.172	225	1.754
F1.009	F1-9	31.436	1.429	22	91.645	90.216	93.947	225	2.077
F1.010	F1-10	28.508	1.296	22	89.558	88.262	91.641	225	1.858
F1.011	F1-11	12.176	0.553	22	87.400	86.847	89.687	225	2.062
F4.000	F4-0	40.658	0.678	60	98.900	98.222	100.649	150	1.599
F4.001	F4-1	10.781	0.180	60	98.222	98.042	100.193	150	1.821
F4.002	F4-2	58.388	0.973	60	98.042	97.069	100.073	150	1.881
F4.003	F4-3	4.897	0.082	60	97.069	96.988	99.420	150	2.201
F4.004	F4-4	3.426	0.057	60	96.988	96.930	99.368	150	2.230
F4.005	F4-5	10.431	0.174	60	96.930	96.757	99.317	150	2.237
F4.006	F4-6	52.919	2.405	22	96.682	94.276	99.194	225	2.287
F4.007	F4-7	10.288	0.488	22	93.038	92.570	96.785	225	3.522
F4.008	F4-8	5.491	0.250	22	90.825	90.575	94.000	225	2.950
F4.009	F4-9	7.945	0.361	22	88.800	88.439	92.000	225	2.975
F4.010	F4-10	11.088	0.055	200	88.439	88.383	90.564	225	1.900
F4.011	F4-11	8.859	0.044	200	88.383	88.339	91.231	225	2.623
F4.012	F4-12	36.224	1.228	30	88.339	87.111	90.780	225	2.216
F4.013	F4-13	13.802	0.230	60	87.111	86.881	88.542	225	1.206
F4.014	F4-14	68.504	0.343	200	86.881	86.539	88.320	225	1.214
F1.012	F1-12	13.867	0.069	200	86.539	86.469	88.952	225	2.188
F1.013	F1-13	48.770	0.244	200	86.469	86.225	88.180	225	1.486
F5.000	F5-0	75.458	1.258	60	89.647	88.389	92.904	150	3.107
F5.001	F5-1	12.890	0.215	60	88.389	88.174	90.145	150	1.606
F1.014	F1-14	14.953	0.075	200	86.225	86.151	89.525	225	3.075

**LEGEND:**

- EXISTING SURFACE WATER SEWER.....
- PROPOSED SURFACE WATER SEWER AND MANHOLE.....
- PROPOSED SURFACE WATER ATTENUATION TANK.....
- EXISTING SURFACE WATER SEWER.....
- PROPOSED Ø150-225mm CONCRETE SEWER PIPES AS PER IRISH WATER WASTEWATER CODE OF PRACTICE SECTION 3.13.1.....
- PROPOSED Ø150-225mm CONCRETE SEWER PIPE WITH CONCRETE SURROUND AS PER IRISH WATER STD-WW-08.....
- PRIVATE INSPECTION CHAMBERS AS PER IRISH WATER STD-WW-03.....



**PROJECT**  
**PROPOSED RESIDENTIAL DEVELOPMENT AT GLOUNTHAUNE, CO. CORK**

**CLIENT**  
**BLUESCAPE LTD**

**CONSULTANT**  
 AECOM  
 Adelphi Plaza  
 George's Street Upper  
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**NOTES**

- 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.
- ALL DIMENSIONS TO BE CHECKED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- AECOM LIMITED TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF WORKS ON SITE.
- DIMENSIONS OF ALL BOUNDARIES AND ADJOINING ROADS TO BE CHECKED ON SITE PRIOR TO COMMENCEMENT OF WORKS.
- DO NOT SCALE. ALL MEASUREMENTS AND COORDINATES TO BE CHECKED ON SITE.
- REFER TO LANDSCAPE ARCHITECTS DRAWINGS FOR DETAILS OF OPEN SPACE AND LEVELS.
- 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).
- ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
- SURFACE WATER & FOUL WATER SEWER PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE SHOULD BE PROTECTED FROM DAMAGE BY PROVIDING A 20mm CONCRETE HUNCH ENCASMENT NOT LESS THAN 100mm THICK & HAVING MOVEMENT JOINTS FORMED WITH COMPRESSIVE BOARD AT EACH SOCKET OR SLEEVE JOINT FACE.
- ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENT OF CORK COUNTY COUNCIL.
- EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.

**ISSUE/REVISION**

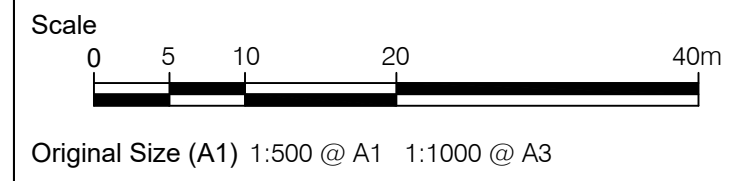
I/R	DATE	DESCRIPTION
0	03.12.2021	ISSUED FOR PLANNING

**KEY PLAN**

**PROJECT NUMBER**  
60592432

**SHEET TITLE**  
PROPOSED DRAINAGE LAYOUT SHEET 2 OF 7

**SHEET NUMBER**  
60592432-ACM-00-00-DR-CE-10-0502



**A PROPOSED DRAINAGE LAYOUT - (SHEET 2 OF 7)**  
 0502 Scale: 1:500