

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)
F1.025	F1-25	17.602	0.800	22	70.345	69.545	72.414	225	1.844
F11.000	F11-0	52.194	3.017	17	74.500	71.483	76.585	150	1.935
F11.001	F11-1	45.689	1.015	45	71.483	70.468	72.836	150	1.203
F11.002	F11-2	49.617	2.255	22	70.393	68.137	71.984	225	1.366
F11.003	F11-3	22.348	0.112	200	68.137	68.026	69.675	225	1.313
F11.004	F11-4	5.967	0.030	200	68.026	67.996	71.050	225	2.799
F1.026	F1-26	18.385	0.836	22	67.545	66.709	70.970	225	3.200
F1.027	F1-27	47.699	0.318	150	66.709	66.391	69.910	225	2.976
F1.028	F1-28	15.503	0.705	22	66.391	65.686	68.849	225	2.233
F1.029	F1-29	15.309	0.696	22	65.686	64.990	68.140	225	2.229
F1.030	F1-30	27.542	1.252	22	64.990	63.738	67.121	225	1.906
F1.031	F1-31	9.927	0.451	22	62.950	62.499	65.338	225	2.163
F1.032	F1-32	39.727	0.265	150	62.499	62.234	64.790	225	2.066
F1.033	F1-33	20.571	0.137	150	62.234	62.097	65.019	225	2.560
F12.000	F12-0	29.901	0.498	60	63.381	62.883	64.731	150	1.200
F12.001	F12-1	54.696	0.405	135	62.883	62.478	64.347	150	1.314
F12.002	F12-2	15.499	0.115	135	62.478	62.363	63.647	150	1.019
F12.003	F12-3	10.732	0.079	135	62.363	62.284	64.161	150	1.648
F1.034	F1-34	7.826	0.356	22	62.097	61.741	64.784	225	2.442
F1.035	F1-35	12.580	0.572	22	59.891	59.319	63.631	225	3.515
F1.036	F1-36	17.000	0.773	22	59.319	58.546	62.760	225	3.216
F1.037	F1-37	40.979	1.863	22	58.546	56.883	61.450	225	2.679
F1.038	F1-38	14.180	0.645	22	54.970	54.325	58.472	225	3.277
F1.039	F1-39	10.617	0.483	22	52.505	51.575	55.750	225	3.467
F1.040	F1-40	7.980	0.363	22	49.800	49.438	53.000	225	2.975
F1.041	F1-41	7.980	0.363	22	48.133	47.770	51.750	225	3.392
F1.042	F1-42	10.884	0.495	22	46.270	45.775	50.500	225	4.005
F1.043	F1-43	11.637	0.529	22	44.000	43.471	47.200	225	2.975
F1.044	F1-44	19.448	0.884	22	42.750	41.866	45.950	225	2.975
F1.045	F1-45	9.926	0.451	22	41.127	40.676	45.600	225	4.248
F1.046	F1-46	9.926	0.451	22	39.676	39.225	43.625	225	3.724
F1.047	F1-47	17.626	0.801	22	37.776	36.975	41.650	225	3.649

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)
S1.030	S1-30	6.901	0.222	31	70.539	70.317	72.152	375	1.238
S12.000	S12-0	27.986	0.709	40	73.500	72.791	76.394	225	2.669
S12.001	S12-1	27.959	0.709	39	72.791	72.082	74.443	225	1.427
S12.002	S12-2	44.285	1.755	25	72.082	70.327	72.538	225	0.231
S12.003	S12-3	40.226	1.609	25	70.327	68.718	71.368	225	0.816
S12.004	S12-4	14.337	0.484	30	68.718	68.234	70.344	225	1.401
S12.005	S12-5	20.515	0.140	147	68.234	68.095	69.974	225	1.515
S12.006	S84	5.889	0.140	42	68.095	67.955	70.944	225	2.625
S1.031	S1-31	33.766	0.368	92	67.730	67.362	71.914	450	3.734
S1.032	S1-32	33.874	0.539	63	67.362	66.823	70.195	450	2.383
S1.033	S1-33	29.561	1.478	20	66.823	65.345	68.500	450	1.227
S1.034	S1-34	33.090	1.655	20	65.345	63.890	67.000	450	1.205
S1.035	S1-35	10.699	0.713	15	63.890	62.977	65.200	450	1.060
S13.000	S13-0	57.517	0.574	100	63.500	62.926	65.000	225	1.275
S13.001	S13-1	43.660	0.437	100	62.926	62.489	64.700	225	1.549
S13.002	S13-2	12.661	0.127	100	62.489	62.362	65.000	225	2.286
S13.003	S13-3	30.940	0.309	100	62.362	62.053	64.950	225	2.363
S13.004	S13-4	23.772	0.237	101	62.053	61.816	64.700	225	2.422
S1.036	S1-36	8.851	0.590	15	61.500	60.910	64.700	450	2.750
S1.037	S1-37	1.987	0.103	19	60.910	60.807	62.000	450	0.640
S1.038	S1-38	34.225	0.811	42	60.807	59.996	62.000	450	0.743
S1.039	S1-39	5.949	0.193	31	59.996	59.803	61.000	375	0.629
S1.040	S1-38	39.773	3.332	12	58.500	55.168	60.759	300	1.959
S1.041	S1-39	22.177	1.391	16	55.000	53.609	57.600	300	2.300
S1.042	S1-40	11.498	0.958	12	52.000	51.042	55.000	300	2.700
S1.043	S1-41	11.498	0.958	12	50.100	49.142	52.000	300	1.600
S1.044	S48.5	9.974	0.831	12	48.800	47.969	50.500	300	1.440
S1.045	S1-43	9.061	0.787	12	46.500	45.713	49.240	300	2.400
S1.046	S1-44	17.313	0.882	20	44.600	43.718	47.000	300	2.100
S1.047	S1-45	10.000	0.833	12	42.700	41.967	45.200	300	2.200
S1.048	S1-46	10.000	0.833	12	40.800	39.967	43.200	300	2.100
S1.049	S1-47	10.000	0.833	12	39.000	38.167	41.300	300	2.000
S1.050	S1-48	9.796	0.816	12	37.000	36.184	39.300	300	2.000

ORDNANCE SURVEY IRELAND LICENCE No. CYAL50217544
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LEGEND:

EXISTING SURFACE WATER SEWER.....

PROPOSED SURFACE WATER SEWER AND MANHOLE.....

PROPOSED SURFACE WATER ATTENUATION TANK.....

EXISTING SURFACE WATER SEWER.....

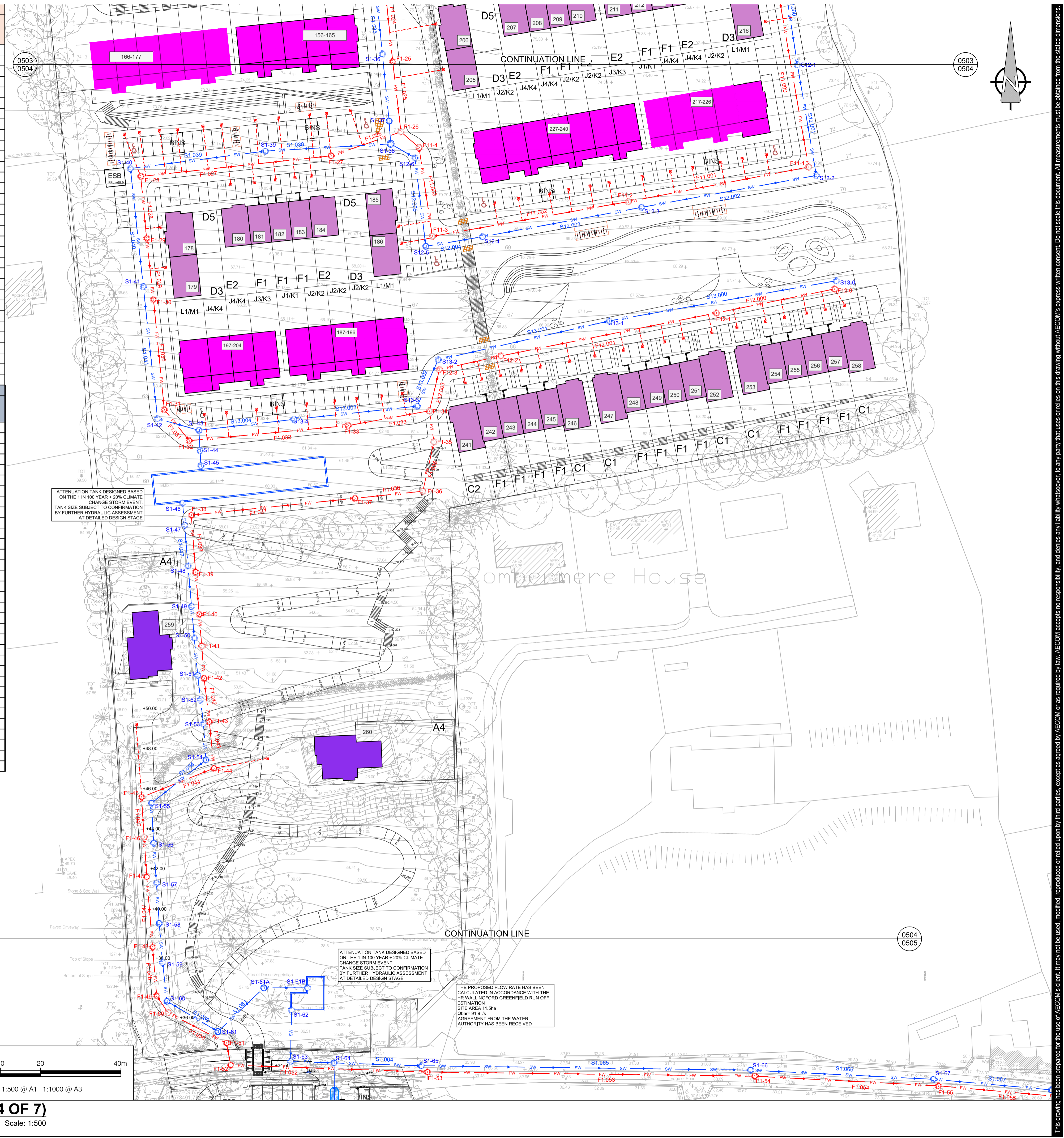
PROPOSED Ø150-225mm CONCRETE SEWER PIPES AS PER IRISH WATER WASTEWATER CODE OF PRACTICE SECTION 3.13.1.....

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.....

A PROPOSED DRAINAGE LAYOUT - (SHEET 4 OF 7)

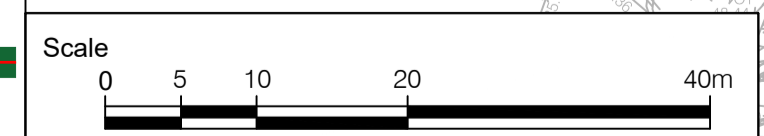
0504 Scale: 1:500



ATTENUATION TANK DESIGNED BASED ON THE 1 IN 100 YEAR + 20% CLIMATE CHANGE STORM EVENT. TANK SIZE SUBJECT TO CONFIRMATION BY FURTHER HYDRAULIC ASSESSMENT AT DETAILED DESIGN STAGE.

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THE PROPOSED FLOW RATE HAS BEEN CALCULATED IN ACCORDANCE WITH THE HR WALLINGFORD GREENFIELD RUN OFF ESTIMATION. SITE AREA 11.5ha. OVER 91.9% AGREEMENT FROM THE WATER AUTHORITY HAS BEEN RECEIVED.



PROJECT
PROPOSED RESIDENTIAL DEVELOPMENT AT GLOUNTHAUNE, CO. CORK

CLIENT
BLUESCAPE LTD

CONSULTANT
AECOM
Adelphi Plaza
George's Street Upper
Dun Laoghaire Co.Dublin
+353 (0) 1 238 3100 tel
+353 (0) 1 238 3199 fax
www.aecom.com

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 200mm CONCRETE HUNCH ENCASUREMENT 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 4 OF 7
SHEET NUMBER: 60592432-ACM-00-00-DR-CE-10-0504