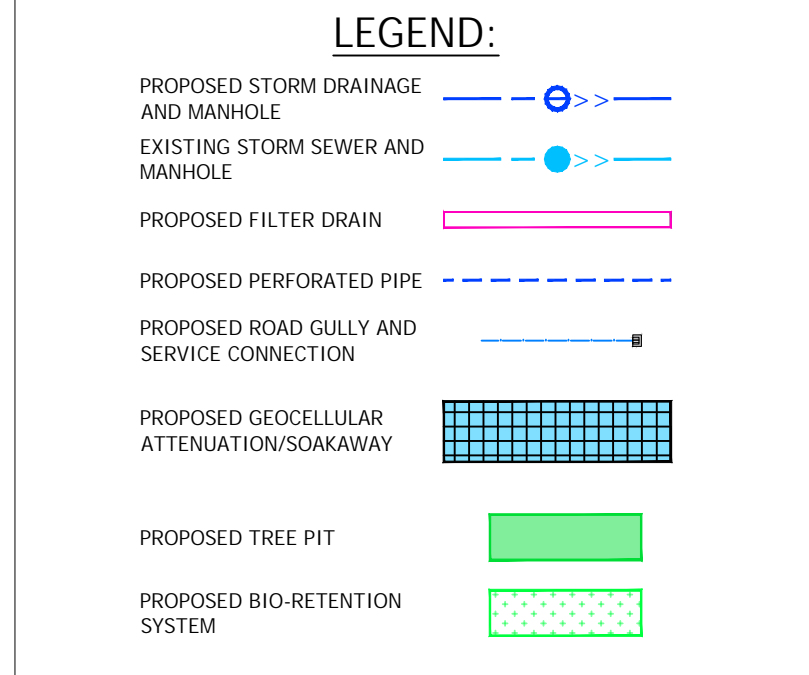
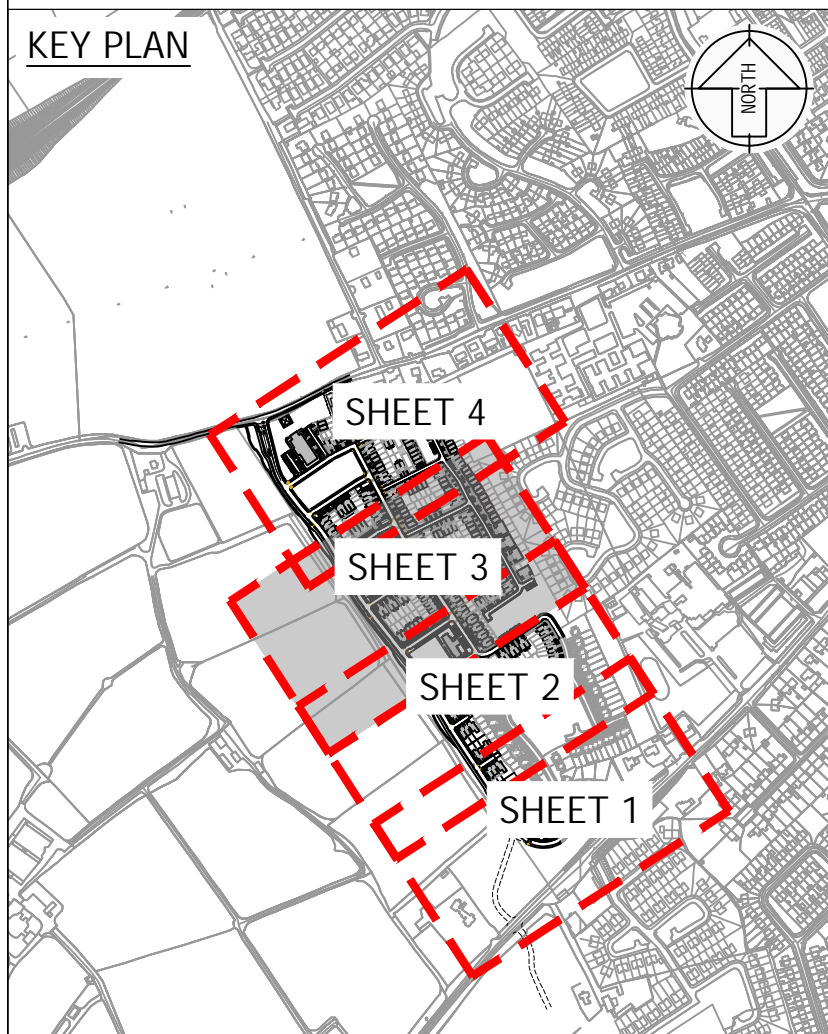


Manhole	Cj(m)	USL(m)	PN	Pipe Length(m)	D50(m)	Slope (1/X)	Pipe DIA (mm)
S-1	101.580	102.155	S-1.000	13.960	101.795	54.4	225
S-2	103.220	101.795	S-1.001	18.654	101.565	81.1	225
S-3	102.990	101.566	S-1.002	34.505	100.930	54.3	225
S-4	102.575	101.550	S-2.000	30.759	101.280	139.8	225
S-5	102.325	100.930	S-1.003	55.209	99.995	59.0	225
S-6	101.420	99.995	S-1.004	8.304	99.857	60.2	225
S-7	101.434	100.409	S-3.000	24.022	100.257	158.0	225
S-8	101.282	99.782	S-1.005	63.564	99.523	245.0	300
S-9	102.040	100.635	S-4.000	23.880	100.465	159.2	225
S-10	101.890	99.448	S-1.006	17.348	99.394	325.0	375
S-11	102.050	99.294	S-1.007	50.232	99.240	325.0	375
S-12	102.550	99.240	S-1.008	17.099	99.187	325.0	375
S-13	106.980	104.555	S-5.000	25.989	104.402	170.0	225
S-14	106.230	104.402	S-5.001	9.206	104.348	170.0	225
S-15	106.630	104.380	S-5.002	85.266	103.015	64.0	225
S-16	104.440	103.015	S-5.003	10.818	102.665	32.8	225
S-17	104.110	102.666	S-5.004	9.270	102.416	34.5	225
S-18	103.880	102.416	S-5.005	13.945	102.166	40.6	225
S-19	104.560	103.135	S-6.000	35.159	102.185	37.0	225
S-20	103.630	102.110	S-5.006	46.584	101.340	60.5	300
S-21	103.940	99.112	S-1.009	10.568	99.025	121.5	450
S-22	102.960	98.991	S-1.010	32.220	98.900	450	450
S-23	103.680	102.255	S-7.000	45.797	101.225	44.5	225
S-24	102.650	101.155	S-7.001	63.023	100.380	81.8	300
S-25	103.880	100.380	S-7.002	63.526	100.330	245.0	300
S-26	102.190	99.2	S-1.011	18.035	99.094	170.0	225
S-27	102.240	100.815	S-8.000	23.388	100.455	64.9	225
S-28	101.880	99.094	S-1.012	40.374	98.548	170.0	225
S-29	101.500	100.075	S-9.000	43.465	99.596	90.7	225
S-30	101.020	99.596	S-9.001	9.999	99.537	170.0	225
S-31	100.980	98.493	S-1.013	35.888	98.347	245.0	300
S-32	101.590	98.272	S-1.014	30.265	98.154	325.0	375
S-33	101.730	100.345	S-10.000	52.119	99.855	106.4	225
S-34	101.280	99.855	S-10.001	9.985	99.795	166.4	225
S-35	101.220	98.154	S-1.015	35.148	98.096	225.0	225
S-36	100.580	97.971	S-1.016	33.033	97.890	405.0	450
S-37	99.980	97.890	S-1.017	8.632	97.868	405.0	450
S-38	100.010	97.868	S-1.018	72.332	97.598	405.0	450
S-39	100.120	97.691	S-1.019	7.900	97.651	200.0	450
S-40	100.090	97.651	S-1.020	9.131	97.665	200.0	450
S-41	100.130	97.505	S-1.021	29.676	97.500	450	450
S-42	100.660	97.5	S-1.022	4.724	97.472	170.0	225
S-43	104.710	103.265	S-11.000	45.971	102.405	52.2	225
S-44	101.830	102.405	S-11.001	12.249	102.145	47.1	225
S-45	103.570	102.145	S-11.002	28.763	102.425	39.9	225
S-46	102.850	101.35	S-11.003	40.973	100.230	39.8	300
S-47	101.820	100.32	S-11.004	27.323	99.750	47.9	300
S-48	101.250	99.75	S-11.005	35.932	98.840	27.4	300
S-49	99.980	98.360	S-11.006	9.807	98.255	89.2	375
S-50	102.500	101.075	S-12.000	46.505	100.175	51.7	225
S-51	103.350	101.925	S-13.000	84.093	100.175	48.1	225
S-52	103.680	101.925	S-13.001	26.693	99.530	47.9	300
S-53	101.030	99.455	S-12.002	30.317	99.362	325.0	375
S-54	101.940	100.515	S-14.000	61.317	99.512	61.1	225
S-55	101.220	99.269	S-12.003	60.831	98.560	153.2	450
S-56	100.640	98.889	S-12.004	9.633	98.680	45.8	450
S-57	100.430	98.680	S-12.005	85.431	98.180	170.9	450
S-58	99.830	98.180	S-11.007	8.153	98.098	100.0	450
S-59	99.830	97.980	S-11.008	43.903	97.970	409	450
S-60	99.500	97.970	S-11.009	3.573	97.945	142.9	225
S-61	99.510	98.335	S-15.000	29.862	98.025	96.3	225
S-62	99.680	98.505	S-16.000	44.813	98.045	93.4	225
S-63	99.300	98.025	S-15.001	12.049	97.945	150.6	225
S-64	99.370	97.795	S-11.010	30.802	97.703	325.0	375
S-65	99.800	97.703	S-11.011	59.578	97.519	325.0	375
S-66	99.980	98.555	S-17.000	43.366	98.380	170.0	225
S-67	100.630	97.519	S-11.012	8.658	97.322	43.9	375
S-68	100.520	97.247	S-1.023	26.650	97.176	405.0	450
S-69	98.830	97.855	S-18.000	34.073	97.655	170.0	225
S-70	99.060	97.75	S-19.000	10.000	97.655	125.0	225
S-71	99.270	97.58	S-18.001	39.524	97.326	155.6	300
S-72	100.150	97.16	S-1.024	53.073	97.045	405.0	450
S-73	100.800	97.045	S-1.025	7.444	97.036	405.0	450
S-74	100.800	97.036	S-1.026	24.197	96.966	405.0	450
S-75	100.800	96.81	S-1.027	21.363	96.800	300	300
S-76	100.400	96.4	S-1.028	8.107	96.767	245.0	300
S-77	100.400	96.767	S-1.029	27.392	96.655	245.0	300
S-78	100.300	96.655	S-1.030	42.327	96.482	245.0	300
S-79	99.600	96.482	S-1.031	62.846	96.144	245.0	300
S-80	98.600	96.144	S-1.032	88.520	95.783	245.0	300
S-81	98.550	95.783	S-1.033	10.534	95.740	245.0	300
S-82	98.380	95.740	S-2.000	42.640	95.795	38.4	225
S-83	98.220	95.795	S-2.001	44.728	95.755	43.0	225
S-84	96.750	95.325	S-21.000	18.285	95.217	170.0	225
S-85	97.180	95.217	S-20.002	14.159	95.010	68.4	225
S-86	97.200	95.010	S-20.003	25.814	95.000	225	225
S-87	96.680	95.000	S-20.004	7.000	95.990	200.0	225
S-88	104.700	103.275	S-22.000	19.717	103.075	98.6	225
S-89	104.500	103.075	S-22.001	18.307	103.044	170.0	225
S-90	104.700	102.950	S-22.002	13.000	103.900	225	225
S-91	104.700	104.000	S-22.003	2.000	103.990	200.0	225



**NOTES:**

- ALL DIMENSIONS ARE IN METERS UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF COUNTY KILDARE WATER SERVICES DEPARTMENT.
- ALL DRAINAGE TO BE IN ACCORDANCE WITH GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS AND BUILDING REGULATIONS TECHNICAL GUIDANCE DOCUMENT H.

4. FOR ON PLOT SUDS DETAILS REFER TO DRAWING D1920-MAL-00-XX-C-028

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REVISION	DATE	DESCRIPTION	REV BY	CHK BY
A	05.05.21	DRAFT ISSUE	SC	SS
B	14.05.21	ISSUED FOR PLANNING	SC	SS
C	01.02.22	REISSUED FOR PLANNING	SG	SOR

Consulting Engineers  
Project Managers

Marketing Network House,  
Argyle Square,  
Morehampton Road,  
Dublin D04 K0Y1, Ireland  
Telephone: +353-1-4762788  
email: info@muir.ie www.muir.ie

PROJECT	STRATEGIC HOUSING DEVELOPMENT AT BALLYMANY		
CLIENT	BRIARGATE DEVELOPMENTS NEWBRIDGE LIMITED		
TITLE	STORM WATER DRAINAGE LAYOUT		
	SHEET 3 OF 4		
Director	Proj. Eng	Drawn by	DRG. No.
SOR	SS	SC	D1920-MAL-00-XX-C-008
Scale	Checked	Date	REV
1:500 @A1	SOR	MARCH 21	C