

### PROJECT

DONORE PROJECT, DONORE AVENUE, DUBLIN 8

### CLIENT

THE LAND DEVELOPMENT AGENCY (LDA)

### CONSULTANT

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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.
- THE LOCATION & DEPTH OF SERVICES TO BE CHECKED ON SITE PRIOR TO COMMENCING ANY WORKS.
- MANHOLE COVERS IN PUBLICLY ACCESSIBLE AREAS SHALL BE HEAVY DUTY CAST IRON OR HEAVY DUTY CAST IRON, CLASS D400, DOUBLE SEALED AND LOCKABLE TYPE COMPLYING WITH BS EN 124:2015.
- GULLY GRATINGS & FRAMES SHALL COMPLY WITH BS EN 124:2015.
- EXISTING INVERT LEVELS TO BE VERIFIED ON SITE BEFORE COMMENCING CONSTRUCTION.
- SURFACE WATER & FOUL PIPES LESS THAN 1.2m BELOW THE ROAD SURFACE OR LESS THAN 0.9m IN NON-TRAFFICED FOOTPATHS AND LANDSCAPE AREAS (WITH AN ABSOLUTE MINIMUM DEPTH OF COVER ABOVE THE EXTERNAL CROWN OF THE PIPE @ 750mm) SHALL BE PROTECTED FROM DAMAGE BY PROVIDING MINIMUM 150mm THICK CONCRETE C16/20 HAUNCH IN ACCORDANCE WITH IS EN 12620.
- ATTENUATION PROPOSALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY.
- 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 TO BE REPORTED AND CORRECTED.
- ALL PROPOSED SURFACE WATER MANHOLES AND GULLY CHAMBERS ARE TO BE BLOCKWORK, IN ACCORDANCE WITH DCC REQUIREMENTS.
- 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 THE DRAINAGE WORKS.
- ALL FOUL WATER DETAILS TO BE IN ACCORDANCE WITH THE IRISH WATER INFRASTRUCTURE STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE.
- ALL PROPOSED FOUL SEWER LAYOUT SHALL BE BUILT IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE AND STANDARD DETAILS STD-WW-02 & STD-WW-03.
- THIS DESIGN DRAWING HAS BEEN DEVELOPED USING THE FOLLOWING TOPOGRAPHICAL SURVEYS: LDA SURVEY (MSL39995 REV1 21.05.2021) AND HINES' SURVEY (MSL35430 REV2 24.06.2020).



### ISSUE/REVISION

IR	DATE	DESCRIPTION
0	18.11.2022	ISSUED FOR PLANNING

### PROJECT NUMBER

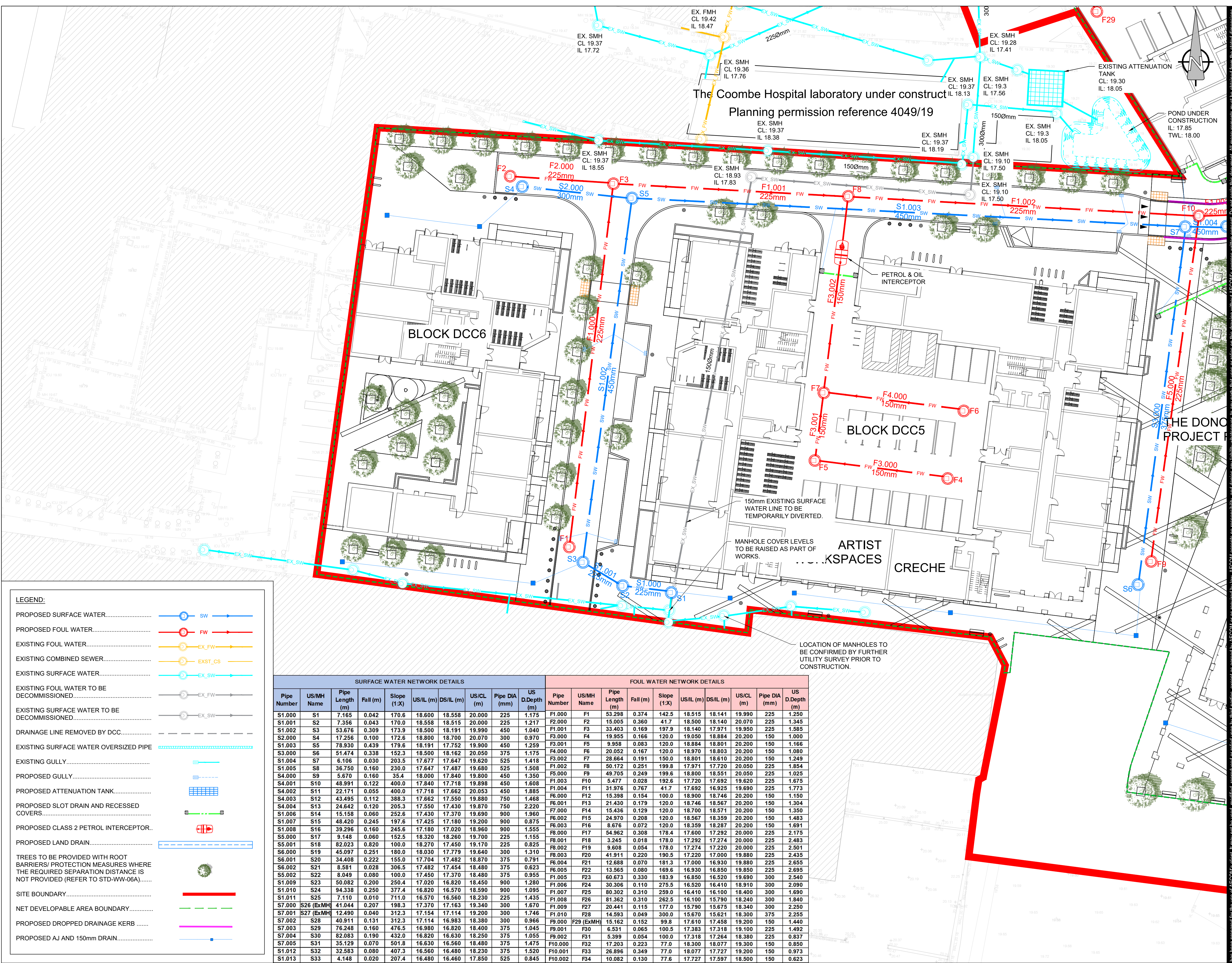
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### SHEET TITLE

PROPOSED DRAINAGE LAYOUT  
SHEET 3 OF 4

### SHEET NUMBER

STG-AEC-S1b-00-00-DR-C-0000503



#### LEGEND:

PROPOSED SURFACE WATER..... SW

PROPOSED FOUL WATER..... FW

EXISTING FOUL WATER..... EX\_FW

EXISTING COMBINED SEWER..... EX\_CS

EXISTING SURFACE WATER..... EX\_SW

EXISTING FOUL WATER TO BE DECOMMISSIONED..... EX\_FW

EXISTING SURFACE WATER TO BE DECOMMISSIONED..... EX\_SW

DRAINAGE LINE REMOVED BY DCC.....

EXISTING SURFACE WATER OVERSIZED PIPE.....

EXISTING GULLY.....

PROPOSED GULLY.....

PROPOSED ATTENUATION TANK.....

PROPOSED SLOT DRAIN AND RECESSED COVERS.....

PROPOSED CLASS 2 PETROL INTERCEPTOR.....

PROPOSED LAND DRAIN.....

TREES TO BE PROVIDED WITH ROOT BARRIERS/ PROTECTION MEASURES WHERE THE REQUIRED SEPARATION DISTANCE IS NOT PROVIDED (REFER TO STD-WW-06A).....

SITE BOUNDARY.....

NET DEVELOPABLE AREA BOUNDARY.....

PROPOSED DROPPED DRAINAGE KERB.....

PROPOSED AJ AND 150mm DRAIN.....

SURFACE WATER NETWORK DETAILS											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 D.Depth (m)		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 D.Depth (m)	
S1.000	S1	7.165	0.042	170.6	18.600	18.558	20.000	225	1.175		F1.000	F1	53.298	0.374	142.5	18.515	18.141	19.990	225	1.250	
S1.001	S2	7.356	0.043	170.0	18.558	18.515	20.000	225	1.217		F2.000	F2	15.005	0.360	41.7	18.500	18.140	20.070	225	1.345	
S1.002	S3	53.876	0.309	173.9	18.500	18.191	19.990	450	1.040		F3.000	F3	33.403	0.169	197.9	18.140	17.971	19.950	225	1.585	
S2.000	S4	17.256	0.100	172.6	18.800	18.700	20.070	300	0.970		F3.001	F4	19.955	0.166	120.0	19.050	18.884	20.200	150	1.000	
S1.003	S5	78.930	0.439	179.6	18.800	18.191	17.752	19.900	450	1.259	F3.002	F5	9.958	0.083	120.0	18.884	18.801	20.200	150	1.166	
S3.000	S6	51.474	0.338	152.3	18.500	18.162	20.050	375	1.175	F4.000	F6	20.052	0.167	120.0	18.970	18.803	20.200	150	1.080		
S1.004	S7	6.106	0.030	203.5	17.877	17.847	19.620	525	1.418	F3.002	F7	28.864	0.191	150.0	18.801	18.610	20.200	150	1.249		
S1.005	S8	36.750	0.160	230.0	17.547	17.487	19.880	525	1.508	F1.002	F8	50.172	0.251	199.8	17.971	17.720	20.050	225	1.854		
S4.000	S9	5.670	0.160	35.4	18.000	17.840	19.800	450	1.350	F5.000	F9	49.705	0.249	199.6	18.800	18.551	20.050	225	1.025		
S4.001	S10	48.991	0.122	400.0	17.840	17.718	18.998	450	1.608	F1.003	F10	5.477	0.028	192.6	17.720	17.692	19.620	225	1.675		
S4.002	S11	22.171	0.055	400.0	17.718	17.662	20.053	450	1.885	F1.004	F11	31.976	0.767	41.7	17.692	16.925	19.690	225	1.773		
S4.003	S12	43.495	0.112	388.3	17.662	17.550	19.880	750	1.468	F6.000	F12	15.398	0.154	100.0	18.900	18.746	20.200	150	1.150		
S4.004	S13	24.642	0.120	205.3	17.550	17.430	19.870	750	2.220	F6.001	F13	21.430	0.179	120.0	18.746	18.567	20.200	150	1.304		
S1.006	S14	15.158	0.060	252.6	17.430	17.370	19.690	900	1.960	F7.000	F14	15.436	0.129	120.0	18.700	18.571	20.200	150	1.350		
S1.007	S15	48.420	0.245	197.6	17.425	17.180	19.200	900	0.875	F6.002	F15	24.970	0.208	120.0	18.567	18.359	20.200	150	1.483		
S1.008	S16	39.296	0.160	245.6	17.180	17.020	18.960	900	1.555	F6.003	F16	8.676	0.072	120.0	18.359	18.287	20.200	150	1.691		
S5.000	S17	9.148	0.060	152.5	18.320	18.260	19.700	225	1.155	F8.000	F17	54.962	0.308	178.4	17.600	17.292	20.000	225	2.175		
S5.001	S18	82.023	0.820	100.0	18.270	17.450	19.170	225	0.825	F8.001	F18	3.245	0.018	178.0	17.292	17.274	20.000	225	2.483		
S6.000	S19	45.097	0.251	180.0	18.030	17.779	19.640	300	1.310	F8.002	F19	9.608	0.054	178.0	17.274	17.220	20.000	225	2.501		
S6.001	S20	34.408	0.222	155.0	17.704	17.482	18.870	375	0.791	F8.003	F20	41.911	0.220	190.5	17.220	17.000	19.880	225	2.435		
S6.002	S21	8.581	0.028	306.5	17.482	17.454	18.480	375	0.623	F6.004	F21	12.688	0.070	181.3	17.000	16.830	19.880	225	2.655		
S5.002	S22	8.049	0.080	100.0	17.450	17.370	18.480	375	0.955	F6.005	F22	13.565	0.080	169.6	16.930	16.850	19.850	225	2.695		
S1.009	S23	50.082	0.200	250.4	17.020	16.820	18.450	900	1.280	F1.005	F23	60.673	0.330	183.9	16.850	16.520	19.690	300	2.540		
S1.010	S24	94.338	0.250	377.4	16.820	16.570	18.590	900	1.095	F1.006	F24	30.306	0.110	275.5	16.520	16.410	18.910	300	2.090		
S1.011	S25	7.110	0.010	711.0	16.570	16.560	18.230	225	1.435	F1.007	F25	80.302	0.310	259.0	16.410	16.100	18.400	300	1.690		
S7.000	S26 (ExMH)	41.044	0.207	198.3	17.163	17.163	19.340	300	1.670	F1.008	F26	81.362	0.310	262.5	16.100	15.790	18.240	300	1.840		
S7.001	S27 (ExMH)	12.490	0.040	312.3	17.154	17.114	19.200	300	1.746	F1.009	F27	20.441	0.115	177.0	15.790	15.675	18.340	300	2.250		
S7.002	S28	40.911	0.131	312.3	17.114	16.983	18.380	300	0.966	F1.010	F28	14.593	0.049	300.0	15.670	15.621	18.300	375	2.255		
S7.003	S29	76.248	0.160	476.5	16.980	16.820	18.400	375	1.045	F9.000	F29 (ExMH)	15.162	0.152	99.8	17.610	17.458	19.200	150	1.440		
S7.004	S30	82.083	0.190	432.0	16.820	16.630	18.250	375	1.055	F9.001	F30	6.531	0.065	100.5	17.383	17.318	19.100	225	1.492		
S7.005	S31	35.129	0.070	501.8	16.630	16.560	18.480	375	1.475	F9.002	F31	5.399	0.054	100.0	17.318	17.264	18.380	225	0.837		
S1.012	S32	32.583	0.080	407.3	16.560	16.480	18.230	375	1.250	F10.000	F32	17.203	0.223	77.0	18.300	18.077	19.300	150	0.850		
S1.013	S33	4.148	0.020	207.4	16.480	16.460	17.850	525	0.845	F10.001	F33	26.896	0.349	77.0	18.077	17.727	19.200	150	0.973		
										F10.002	F34	10.082	0.130	77.6	17.727	17.597	18.500	150	0.623		