

SITE 1 SW Manhole schedule																		
MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (mAOD)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	CATCHPIT	CATCHPIT DEPTH (mm)	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	BACK DROP	Back drop IL (m)	RESTRICTED ACCESS	COMMENTS	EASTING	NORTHING
S01	85.330	83.865	1.47	225	1500	TYPE C	N	N/A	1200X675	D400	SINGLE SEALED	N	N	N/A	N	225mm STUB CONNECTION FOR PHASE 1B	387985.081	400623.137
S02	85.880	83.670	2.21	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	225mm STUB CONNECTION FOR PHASE 1B	388011.992	400638.105
S02A	85.770	83.704	2.07	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388008.276	400634.201
S02B	86.070	83.582	2.49	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388012.550	400652.163
S02C	86.600	83.405	3.19	225	1200	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED; 225mm STUB CONNECTION FOR PHASE 1B	388040.308	400657.912
S03	87.230	85.800	1.43	150	450	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388067.415	400655.551
S04	87.080	85.700	1.38	150	450	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388061.385	400647.560
S05	86.930	85.500	1.43	300	450	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388053.488	400653.756
S05A	86.870	83.255	3.62	300	1200	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	N	85.43	N	UNRESTRICTED;	388052.121	400660.358
S06	87.190	86.140	1.05	150	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	Y	N/A	N	UNRESTRICTED;	388064.864	400692.237
S07	86.620	85.450	1.17	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388025.230	400684.167
S08	87.010	85.174	1.84	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	Y	86.01	Y	RESTRICTED ACCESS 350mm DIA MAX;	388052.262	400689.600
S09	86.580	85.044	1.54	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388023.626	400670.596
S10	86.920	84.724	2.20	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388055.137	400676.940
S10A	86.880	84.665	2.21	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388055.903	400671.113
S11	87.270	85.870	1.40	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388074.747	400643.142
S12	87.390	85.755	1.64	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388083.843	400645.662
S13	87.200	86.170	1.03	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388070.555	400692.236
S14	87.340	85.474	1.87	150	1200	TYPE B	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388076.237	400672.721
S15	86.970	84.630	2.34	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388056.776	400667.714
S16	86.990	83.218	3.77	300	1200	TYPE A1/2	Y	300	600X600	D400	SINGLE SEALED	Y	N	N/A	N	CATCHPIT SET 300mm BELOW INVERT LEVEL	388050.909	400666.207
S17	86.340	83.098	3.24	300	1200	TYPE A1/2	Y	300	600X600	D400	SINGLE SEALED	Y	N	N/A	N	CATCHPIT SET 300mm BELOW INVERT LEVEL	388027.471	400661.340
S18	86.340	83.078	3.26	300	1200	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388028.274	400657.462
S18A	86.000	82.988	3.01	300	1200	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388010.634	400653.809
S19	85.840	82.916	2.92	300	1200	TYPE B	Y	BY FLOW CONTROL MANUFACTURER	1200X675	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388010.569	400639.333
S20	85.700	82.885	2.82	300	1500	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	FLOW CONTROL MANHOLE	388006.310	400634.894
S20A	85.330	82.748	2.58	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	225mm STUB CONNECTION FOR PHASE 1B INTERCEPTOR TRAP ON INLET	387986.578	400625.481
C01	85.260	82.733	2.53	225	1500	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	387984.187	400625.938
C01A	85.580	82.659	2.92	300	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED; MH COVER LEVEL IS TEMPORARY AND MAY NEED REWORKING UNDER THE PHASE 2 WORKS	387980.974	400632.614
C01B	85.000	82.499	2.50	300	1200	TYPE B	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED; MH COVER LEVEL IS TEMPORARY AND MAY NEED REWORKING UNDER THE PHASE 2 WORKS	387966.533	400625.664
C02	84.860	81.520	3.34	300	1200	TYPE A1/2	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	NEW MANHOLE TO BE CONSTRUCTED ON EXISTING SEWER	387957.160	400632.167

SITE 2 SW Manhole schedule																		
MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (mAOD)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	CATCHPIT	CATCHPIT DEPTH (mm)	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	BACK DROP	Back drop IL (m)	RESTRICTED ACCESS	COMMENTS	EASTING	NORTHING
S101	88.223	87.200	0.87	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A		UNRESTRICTED;	388153.025	400710.199
S102	88.301	87.000	1.15	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388154.856	400703.670
S103	88.070	86.800	1.12	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388127.793	400707.722
S104	88.066	86.612	1.23	225	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388130.895	400696.974
S105	87.852	86.370	1.33	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388104.006	400700.982
S106	87.561	85.830	1.51	225	1500	TYPE B	N	N/A	600X600	B125	SINGLE SEALED	N	Y	86.365	N	UNRESTRICTED;	388107.137	400690.189
S107	87.489	86.450	0.89	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388084.166	400697.154
S108	87.620	86.290	1.18	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388093.148	400667.381
S109	87.560	86.121	1.21	225	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388090.476	400676.400
S110	87.509	85.777	1.51	225	1500	TYPE B	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388109.444	400682.072
S111	88.183	86.870	1.16	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388129.156	400669.136
S112	88.295	86.764	1.38	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388131.267	400660.953
S113	87.782	86.750	0.88	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388108.984	400654.553
S114	87.888	86.576	1.16	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388116.857	400656.761
S115	87.765	86.100	1.52	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388106.463	400666.721
S116	87.717	86.011	1.56	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388113.431	400668.645
S117	87.669	85.738	1.71	225	1500	TYPE B	Y	300	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388111.149	400676.128
S118	89.142	87.600	1.39	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388164.245	400669.424
S119	88.701	87.356	1.20	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388140.842	400662.589
S120	89.143	87.800	1.19	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388166.169	400681.965
S121	89.113	87.729	1.23	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388165.055	400685.311
S122	88.818	87.417	1.25	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388150.025	400681.171
S123	88.489	87.059	1.21	225	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;	388136.394	400677.284
S124	88.246	86.979	1.04	225	1500	TYPE C	Y	300	1200X675	D400	SINGLE SEALED	N	N	N/A	N	FLOW CONTROL MANHOLE	388134.065	400684.932
S125	87.950	86.850	0.95	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388121.471	400687.069
S126	87.904	85.867	1.81	225	1200	TYPE B	Y	300	600X600	D400	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;	388122.622	400681.694
S127	88.217	85.602	2.46	150	1500	TYPE B	Y	BY FLOW CONTROL MANUFACTURER	1200X675	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;	388132.108	400681.996
C101	88.485	85.064	3.12	300	1500	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	Y	85.733	N	INTERCEPTOR TRAP ON INLET FROM S127	388137.390	400663.326
C102	88.377	83.890	4.11	375	1500	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	N	Y	84.968	N	NEW MANHOLE TO BE CONSTRUCTED ON EXISTING SEWER BACK DROP IL NOT TO EXCEED 1.5m OR LESS THEN 0.75m FROM THE SOFFIT OF THE EXISTING 375 PIPE	388136.580	400653.505

NOTE:
FINAL DETAILED LEVEL DESIGN HAS NOT BEEN FINALISED. SITE 1 PROPOSED GROUND LEVELS BASED ON WORK IN PROGRESS CONTOUR PLAN.

COVER LEVELS ARE BASED ON WIP LEVELS AND MAY BE SUBJECT TO CHANGE ONCE FINAL LEVELS ARE CONFIRMED.

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
- ALL ADAPTABLE DRAINAGE WORKS INCLUDING WORKS TO EXISTING PUBLIC SEWERS TO BE UNDERTAKEN IN ACCORDANCE WITH "SEWERS FOR ADOPTION 7th EDITION" AND "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION" AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.
- ALL PRIVATE DRAINAGE WORKS TO BE IN ACCORDANCE WITH CURTINS DRAINAGE SPECIFICATION, "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION", BS EN 752 2017 DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS" AND THE BUILDING REGULATIONS APPROVED DOCUMENT H.
- ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION MAY NEED TO BE INCREASED TO ACCOMMODATE THE CONNECTIONS AND BENDS.
- COVER LEVELS BASED ON LANDSCAPE GENERAL ARRANGEMENTS TPM LANDSCAPE, DRAWING REF 103 & 104, REV A DATED 09.11.20.
- COVER LEVELS, GULLY POSITIONS, AND BUILDING LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT/LANDSCAPE ARCHITECT. CONTRACTOR TO ALLOW FOR ADJUSTMENT TO SUIT AGREED POSITIONS AND FINISHED LEVELS, AND CONFIRM ALL COVER LEVELS ON SITE.
- ALL MANHOLE COVERS IN BLOCK/SLAB AND EXTERNAL PAVING AREAS MAY REQUIRE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT THE LANDSCAPE ARCHITECT'S PAVING PROPOSAL. TBC BY LANDSCAPE ARCHITECT.
- THE LANDSCAPE ARCHITECT MAY REQUIRE THE ORIENTATION OF CHAMBER COVERS TO BE CO-ORDINATED WITH THE PAVING PATTERN. THIS WILL BE SUBJECT TO REVIEW WITH THE MANHOLE INTERNAL BENCHING ARRANGEMENT, LANDING AND STEP LOCATION AND IF REQUIRED, SHOULD BE ADVISED TO US AS SOON AS POSSIBLE.
- ALL MANHOLE, GULLY AND CHANNEL (ACCESS/OUTLET) COVERS (IRONWORK) SHOULD BE THE FOLLOWING SPECIFICATION:
 - B125 LOAD CLASS IN PEDESTRIAN AREAS
 - D400 LOAD CLASS IN VEHICULAR AREASANY AMBIGUITIES ON DRAWINGS/ACCESS AND MAINTENANCE STRATEGY SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
- ALL SURFACE CHANNEL ACCESS BOXES/OUTLET BOXES IN BLOCK/SLAB AND EXTERNAL PAVING AREAS MAY REQUIRE RECESSED COVERS OF THE APPROPRIATE GRADE TO ACCEPT THE LANDSCAPE ARCHITECT'S PAVING PROPOSAL. TBC BY LANDSCAPE ARCHITECT AND SUBJECT TO AVAILABILITY FROM MANUFACTURER.
- ALL SURFACE CHANNELS TO BE OF THE TREADSAFE TYPE, UNLESS OTHERWISE SPECIFIED.
- ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

C05	SITE 1 DRAINAGE AMENDED IN LINE WITH REVISED SITE LAYOUT	24.03.23	ATL	CG
C04	SITE 2 DRAINAGE AMENDED	03.03.23	ATL	CG
C03	UPDATED CONSTRUCTION ISSUE	23.01.23	CS	CG
C02	UPDATED CONSTRUCTION ISSUE	16/12/22	CS	CG
C01	ISSUED FOR CONSTRUCTION	07/11/22	CS	ATL
P03	SW MH36 AMENDED	22/09/22	ATL	CG
P02	SW MH S14 AND S15 UPDATED	11/02/22	CS	CG
P01	STAGE 3 ISSUE	16/11/20	AH	CD
Rev:	Description:	Date:	By:	Chkd: