

SURFACE WATER NETWORK MANHOLE SCHEDULE													
MH REF.	CO-ORDINATES	COVER LEVEL (m AOD)	INVERT LEVEL (m AOD)	DEPTH TO INVERT (m)	DEPTH TO SOFFIT (m)	PIPES IN		PIPE OUT (mm)	INTERNAL SIZE (mm)	MANHOLE TYPE	COVER		COMMENTS
						SIZE (mm)	INVERT LEVEL (m AOD)				SIZE	RATING	
S1.00	E: 378653.770 N: 407714.632	74.389	73.189	1.200	0.825	150 ϕ	73.414	375 ϕ	1350 ϕ	PCC TYPE C	1220x685	D400	
S1.01	E: 378645.044 N: 407675.892	74.389	72.980	1.409	1.034	375 ϕ	72.980	375 ϕ	1350 ϕ	PCC TYPE C	1220x685	D400	
S1.02	E: 378670.754 N: 407670.140	74.389	72.848	1.541	1.166	375 ϕ	72.848	375 ϕ	1350 ϕ	PCC TYPE C	1220x685	D400	
S2.00	E: 378692.248 N: 407669.995	74.300	73.199	1.101	0.951	150 ϕ	73.199	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
S2.01	E: 378685.246 N: 407640.352	74.300	73.048	1.252	1.102	150 ϕ	73.048	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350	C250	
S1.03	E: 378665.101 N: 407644.871	74.389	72.719	1.670	1.295	375 ϕ 150 ϕ	72.719 72.944	375 ϕ	1350 ϕ	PCC TYPE C	1220x685	D400	
S1.04	E: 378661.329 N: 407628.431	74.014	72.634	1.380	1.230	375 ϕ	72.409	150 ϕ	1350 ϕ	PCC TYPE C	1220x685	D400	FLOW CONTROL MANHOLE
S3.00	E: 378656.797 N: 407607.760	73.378	72.450	0.928	0.778			150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	D400	
S1.05	E: 378657.858 N: 407613.204	73.604	71.895	1.709	1.559	150 ϕ 150 ϕ	71.895 71.895	150 ϕ	1200 ϕ	PCC TYPE B	600 x 600	D400	CATCHPIT MANHOLE
S1.06	E: 378677.824 N: 407608.741	71.773	71.123	0.650	0.500	150 ϕ	71.123	150 ϕ	1200 ϕ	PCC TYPE C	1220x685	C250	BACKDROP
S1.07	E: 378668.802 N: 407566.817	71.150	70.694	0.456	0.306	150 ϕ	70.694	150 ϕ	1200 ϕ	PCC TYPE C	1220x685	C250	
S4.00	E: 378680.254 N: 407724.274	74.441	73.335	1.106	0.881	150 ϕ 150 ϕ	73.41 73.41	225 ϕ	600 ϕ	PPIC TYPE D	450 x 450	C250	
S4.01	E: 378706.512 N: 407718.289	74.440	73.065	1.375	1.150	225 ϕ 150 ϕ	73.065 73.140	225 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S4.02	E: 378723.499 N: 407714.417	74.250	72.890	1.360	1.135	225 ϕ	72.89	225 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S4.03	E: 378714.907 N: 407676.750	74.275	72.505	1.770	1.545	225 ϕ 150 ϕ	72.505 72.580	225 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S4.04	E: 378728.947 N: 407673.682	74.040	72.285	1.755	1.455	225 ϕ 150 ϕ	72.360 72.435	300 ϕ	1200 ϕ	PCC TYPE C	1220x685	C250	
S4.05	E: 378726.285 N: 407662.023	74.270	72.185	2.085	1.785	300 ϕ 150 ϕ	72.185 72.335	300 ϕ	1200 ϕ	PCC TYPE B	600 x 600	C250	
S4.06	E: 378718.926 N: 407629.988	74.350	71.060	3.290	2.990	300 ϕ 150 ϕ	71.060 72.56(BD)	300 ϕ	1200 ϕ	PCC TYPE B	600 x 600	C250	
S4.07	E: 378721.206 N: 407614.736	71.075	70.275	0.800	0.425	300 ϕ	69.990	375 ϕ	1500 ϕ	PCC TYPE C	1220x685	C250	
S1.08	E: 378708.343 N: 407558.189	70.380	69.814	0.566	0.191	375 ϕ 150 ϕ	69.814 70.039	375 ϕ	1500 ϕ	PCC TYPE C	1220x685	C250	
S5.00	E: 378797.149 N: 407639.863	70.480	69.675	0.805	0.655	150 ϕ	69.675	150 ϕ	1050 ϕ	PCC TYPE C	1220x685	C250	3G PITCH OUTLET CHAMBER
S5.01	E: 378788.510 N: 407600.873	70.100	69.275	0.825	0.675	150 ϕ 150 ϕ	69.275 69.275	150 ϕ	1050 ϕ	PCC TYPE C	1220x685	C250	MUGA OUTLET CHAMBER
S5.02	E: 378775.877 N: 407544.030	69.720	68.693	1.027	0.877	150 ϕ 150 ϕ	68.693 68.693	150 ϕ	1050 ϕ	PCC TYPE C	1220x685	C250	2G PITCH OUTLET CHAMBER
S1.10	E: 378756.229 N: 407531.555	70.100	68.236	1.864	1.489	375 ϕ 150 ϕ	68.236 68.461	375 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S6.00	E: 378728.385 N: 407515.337	70.400	69.050	1.350	1.125	150 ϕ 150 ϕ	69.125 69.125	225 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S6.01	E: 378744.622 N: 407518.394	70.500	68.847	1.653	1.428	225 ϕ 150 ϕ 150 ϕ 150 ϕ	68.847 68.922 68.922 68.922	225 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S7.00	E: 378771.446 N: 407518.527	70.600	69.250	1.350	1.200	150 ϕ 150 ϕ 150 ϕ	69.250 69.250 69.250	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
S1.11	E: 378762.036 N: 407516.153	70.600	67.861	2.739	2.439	375 ϕ 225 ϕ 150 ϕ	67.786 67.936 68.011	300 ϕ	1500 ϕ	PCC TYPE B	600 x 600	C250	FLOW CONTROL MANHOLE

FOUL WATER NETWORK MANHOLE SCHEDULE													
MH REF.	CO-ORDINATES	COVER LEVEL (m AOD)	INVERT LEVEL (m AOD)	DEPTH TO INVERT (m)	DEPTH TO SOFFIT (m)	PIPES IN		PIPE OUT (mm)	INTERNAL SIZE (mm)	MANHOLE TYPE	COVER		COMMENTS
						SIZE (mm)	INVERT LEVEL (m AOD)				SIZE	RATING	
F1.00	E: 378680.049 N: 407723.308	74.460	73.335	1.125	0.975	150 ϕ 150 ϕ 150 ϕ	73.335 73.335 73.335	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
F1.01	E: 378686.348 N: 407722.114	74.330	73.255	1.075	0.925	150 ϕ 150 ϕ	73.255 73.255	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450 RESTRICTOR CAP	C250	
F2.00	E: 378698.628 N: 407691.321	74.350	73.359	0.991	0.841	150 ϕ 150 ϕ	73.359 73.359	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450 RESTRICTOR CAP	C250	
F1.02	E: 378704.671 N: 407717.771	74.380	73.020	1.360	1.210	150 ϕ 150 ϕ	73.020 73.020	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F1.03	E: 378720.076 N: 407714.118	74.330	72.822	1.508	1.358	150 ϕ	72.822	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F3.00	E: 378714.953 N: 407706.281	74.350	73.350	1.000	0.850	150 ϕ 150 ϕ	73.350 73.350	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
F1.04	E: 378718.157 N: 407705.523	74.330	72.710	1.620	1.470	150 ϕ 150 ϕ	72.710 73.309(BD)	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F4.00	E: 378709.234 N: 407680.994	74.350	73.350	1.000	0.850	150 ϕ 150 ϕ	73.350 73.350	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
F1.05	E: 378712.516 N: 407680.250	74.330	71.388	2.942	2.792	150 ϕ 150 ϕ	71.388 73.308	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F5.00	E: 378626.926 N: 407731.982	74.946	74.307	0.639	0.489	150 ϕ	74.307	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
F5.01	E: 378663.742 N: 407723.590	74.330	73.362	0.968	0.818	150 ϕ	73.362	150 ϕ	450 ϕ	PPIC TYPE D	450 x 450	C250	
F6.00	E: 378673.281 N: 407696.519	74.500	73.249	1.251	1.101	150 ϕ 150 ϕ 150 ϕ 150 ϕ	73.249 73.249 73.249 73.249	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350	FACTA A	TRIPLE SEALED RECESSED COVER
F6.01	E: 378661.053 N: 407699.301	74.464	73.092	1.372	1.222	150 ϕ 150 ϕ 150 ϕ 150 ϕ	73.092 73.092 73.092 73.092	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	FACTA A	TRIPLE SEALED RECESSED COVER
F5.02	E: 378658.312 N: 407699.793	74.400	73.057	1.343	1.193	150 ϕ 150 ϕ	73.057 73.057	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350	C250	
F5.03	E: 378654.794 N: 407684.377	74.400	72.859	1.541	1.391	150 ϕ	72.859	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F5.04	E: 378668.513 N: 407681.345	74.328	72.683	1.645	1.495	150 ϕ 150 ϕ	72.683 72.683	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F5.05	E: 378681.700 N: 407678.991	74.350	72.516	1.834	1.684	150 ϕ	72.516	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F5.06	E: 378691.633 N: 407677.217	74.350	72.390	1.960	1.810	150 ϕ	72.390	150 ϕ	450 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F1.06	E: 378710.894 N: 407672.984	74.450	72.143	2.307	2.157	150 ϕ 150 ϕ	72.143 72.143	150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F1.07	E: 378726.589 N: 407669.618	74.300	71.942	2.358	2.208	150 ϕ	71.942	150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F7.00	E: 378708.380 N: 407664.895	74.500	73.468	1.032	0.882	150 ϕ 150 ϕ	73.468 73.468	150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F1.08	E: 378724.617 N: 407661.167	74.500	71.834	2.666	2.516	150 ϕ 150 ϕ	71.834 73.260(BD)	150 ϕ	600 ϕ	PPIC TYPE C	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F8.00	E: 378712.346 N: 407660.725	74.500	73.408	1.092	0.942	150 ϕ	73.408	150 ϕ	600 ϕ	PPIC TYPE C	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F1.09	E: 378723.927 N: 407658.088	74.500	71.794	2.706	2.556	150 ϕ 150 ϕ	71.794 73.260(BD)	150 ϕ	600 ϕ	PPIC TYPE C	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F9.00	E: 378709.716 N: 407655.827	74.500	73.427	1.073	0.923	150 ϕ 150 ϕ 150 ϕ	73.427 73.427 73.427	150 ϕ	600 ϕ	PPIC TYPE C	350 x 350	C250	
F1.10	E: 378722.613 N: 407652.370	74.450	71.721	2.729	2.579	150 ϕ 150 ϕ	71.721 73.260(BD)	150 ϕ	600 ϕ	PPIC TYPE C	350 x 350 RESTRICTOR CAP	C250	BACKDROP
F1.11	E: 378717.234 N: 407628.650	74.350	70.962	3.388	3.238	150 ϕ	70.962	150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	
F1.12	E: 378719.176 N: 407615.825	72.277	70.091	2.186	2.036	150 ϕ	70.091	150 ϕ	600 ϕ	PPIC TYPE D	450 x 450	C250	
F1.13	E: 378707.188 N: 407560.395	70.380	68.897	1.483	1.333	150 ϕ	68.897	150 ϕ	600 ϕ	PPIC TYPE D	350 x 350 RESTRICTOR CAP	C250	

- NOTES:**
- FOR GENERAL NOTES REFER TO RENAISSANCE DRAWING FS1013-REN-EX-00-D-C-5210 AND FS1013-REN-EX-00-D-C-5301
 - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE BELOW GROUND DRAINAGE SPECIFICATION AND DRAINAGE DETAILS ON DRAWINGS C-5301 TO C-5305
 - ALL BELOW GROUND DRAINAGE WORKS TO BE IN ACCORDANCE WITH RELEVANT BUILDING REGULATIONS AND SEWER SECTOR GUIDANCE. APPENDIX C- DESIGN AND CONSTRUCTION GUIDANCE. IF DISCREPANCIES ARE NOTED BETWEEN SSG AND DRAWINGS THESE SHOULD BE BROUGHT TO THE ATTENTION OF RENAISSANCE FOR REVIEW.
 - LANDSCAPE ARCHITECT TO VALIDATE COVER LEVELS IN ALL EXTERNAL AREAS. ARCHITECT TO VALIDATE COVER LEVELS IN ALL INTERNAL AREAS.
 - COORDINATES INDICATE CENTRE OF MANHOLE.
 - MANHOLE COVERS ARE TO BE ACCORDANCE WITH BS EN 124 FOR THE RATING INDICATED IN THE MANHOLE SCHEDULE. THE CONTRACTOR IS TO SUBMIT DETAILS FOR THE PROPOSED MANHOLE COVERS TO THE ENGINEER AND LANDSCAPE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION.
 - FOR CURRENT PLANS, LEVELS AND STACK LOCATIONS REFER TO LATEST ARCHITECT AND LANDSCAPE ARCHITECT DRAWINGS.

P03	REVISED TO SUIT CLIENT COMMENTS	06.02.24	SA	PW
P02	MANHOLE INVERT LEVELS UPDATED	13.12.23	SA	PW
P01	STAGE 4	08.12.23	SA	PW
Rev:	Description:	Date:	By:	Chkd:



Renaissance Associates Ltd
Carvers Warehouse
77 Dale Street
Manchester
M1 2HG

Project:

STAR RADCLIFFE ACADEMY, BURY

Drawing Title:
BELOW GROUND DRAINAGE MANHOLE SCHEDULE

Status:

STAGE 4

Size:	Date:	Drawn by:	Designed by:	Checked by:
A1	DEC'23	SA	SA	PW

Scale:	NTS	Project No:	2303-02				
Project:	Originator:	Volume:	Level:	Type:	Role:	Category/Number:	Rev:

FS1013-REN-EX-XX-D-C-2020-P03