

Surface Water Manhole Schedule																	
MH REF	CL (mAOD)	OUTGOING IL (mAOD)	DEPTH TO SOFFIT (m)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	RESTRICTED ACCESS	HIGH LEVEL CONN	BACK DROP	COMMENTS	EASTING	NORTHING	PLOT
S1	31.84	30.75	0.790	300	1500	TYPE C	1200X675	D400	SINGLE SEALED	N	N	31.35 (150 - S1C) 31.00 (150 - GULLY)	N	CATCHPIT - 300mm SUMP	383357.886	397289.048	F1
S1A	31.84	30.72	0.820	300	1500	TYPE C	1200X675	D400	SINGLE SEALED	N	N	31.47 (150 - PP01) 31.47 (150 - RE)	N	CATCHPIT - 300mm SUMP	383361.263	397282.734	F1
S1B	33.40	32.01	1.240	150	600	PPIC	600X600	D400	SINGLE SEALED	Y	N	31.29 (150 - OUTLET ON CHANNEL)	N		383332.536	397235.064	F1
S1C	32.90	31.78	0.895	225	600	PPIC	600X600	D400	SINGLE SEALED	N	N	N	N		383308.104	397258.420	F1
S1D	31.86	30.94	0.771	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	N		383356.607	397290.830	F1
S2	32.68	30.57	1.810	300	1500	TYPE B	600X600	B125	SINGLE SEALED	N	N	31.37 (150 - S2)	N	CATCHPIT - 300mm SUMP VENTED MANHOLE COVER	383381.097	397223.624	F1
S2A	32.68	31.41	1.120	150	450	PPIC	450X450	B125	SINGLE SEALED	N	N	N	N		383377.976	397220.773	F1
S3A	32.18	31.26	0.774	150	450	PPIC	450X450	D400	SINGLE SEALED	Y	N	N	N		383382.962	397242.336	F1
S3B	32.21	31.24	0.823	150	450	PPIC	450X450	D400	SINGLE SEALED	Y	N	31.45 (150 RE)	N		383381.810	397239.789	F1
S3	32.20	30.48	1.418	300	1500	TYPE C	1200X675	D400	SINGLE SEALED	Y	N	31.19 (150 S3B)	N	CATCHPIT - 300mm SUMP	383385.919	397237.958	F1
S4A	32.34	31.32	0.92	100	450	PPIC	450X450	D400	SINGLE SEALED	Y	N	N	N		383396.046	397235.657	F2
S4	32.20	30.31	1.44	450	1500	TYPE C	1200X675	D400	SINGLE SEALED	Y	N	31.11 (225 - OUTLET ON CHANNEL) 31.11 (100- S4A) 31.10 (150 - GULLY)	N	CATCHPIT - 300mm SUMP	383396.763	397240.449	F2
S5A	32.49	31.40	0.94	150	600	PPIC	600X600	D400	SINGLE SEALED	Y	N	N	32.06 (150 - S5A)		383420.349	397251.485	F2
S5B	32.88	32.35	0.38	150	450	PPIC	450X450	B125	SINGLE SEALED	N	N	N	N		383432.421	397244.302	F2
S5	32.41	30.27	1.69	450	1500	TYPE B	600X600	D400	SINGLE SEALED	N	N	31.36 (150 - S5A)	N	CATCHPIT - 300mm SUMP	383418.203	397252.744	F2
S6	33.24	31.91	1.11	225	600	PPIC	600X600	D400	SINGLE SEALED	N	N	N	32.31		383492.824	397247.822	F2
S7	32.89	31.44	1.22	225	1500	TYPE C	1200X675	D400	SINGLE SEALED	N	N	N	31.79 (150 - GULLY)		383476.329	397277.747	F2
S8A	32.62	30.19	1.98	450	1200	TYPE B	600X600	D400	SINGLE SEALED	Y	N	N	30.93 (225 - DD1)	CATCHPIT - 300mm SUMP	383434.932	397262.242	F2
S8B	32.79	30.75	1.89	150	450	PPIC	450X450	B125	SINGLE SEALED	N	N	N	N		383433.138	397258.839	F2
S8	32.92	29.98	2.49	450	2100	TYPE B	1200X675	D400	SINGLE SEALED	N	N	30.10 (450 - MHA13A) 31.33 (225 - DD2) 30.50 (150 - S10B)	N	FLOW CONTROL CHAMBER FLOWS RESTRICTED TO 115l/s MANHOLE ON EXISTING SURFACE WATER DRAIN	383473.670	397283.753	F2
S9	32.65	31.39	1.11	150	600	PPIC	600X600	D400	SINGLE SEALED	N	N	N	N		383438.497	397263.279	F2
S10	32.72	31.26	1.23	225	600	PPIC	600X600	D400	SINGLE SEALED	Y	Y	N	N	ACCESS RESTRICTED TO 350mm	383443.507	397267.204	F2
S10A	33.07	31.40	1.52	150	600	PPIC	600X600	B125	SINGLE SEALED	N	Y	N	32.30 (150 - RE)	ACCESS RESTRICTED TO 350mm	383439.683	397263.691	F2
S10B	32.97	30.58	2.29	100	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	N		383472.546	397281.707	F2
S11	32.74	31.20	1.24	300	600	PPIC	600X600	D400	SINGLE SEALED	N	Y	N	31.00 (225 - UNDERSLUNG)	ACCESS RESTRICTED TO 350mm	383445.638	397268.549	F2
S12	32.75	31.15	1.30	300	600	PPIC	600X600	D400	SINGLE SEALED	N	Y	N	N	ACCESS RESTRICTED TO 350mm	383448.326	397269.007	F2
S13A	MANHOLE OMITTED																
S13	32.92	30.11	2.36	450	1200	TYPE B	600X600	D400	SINGLE SEALED	N	N	N	31.35 (150 - TREE PIT DRAIN)	CATCHPIT - 300mm SUMP	383462.978	397278.146	F2
Downstream Defender Schedule																	
MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (m)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	RESTRICTED ACCESS	HIGH LEVEL CONN	BACK DROP	COMMENTS	EASTING	NORTHING	PLOT
DD1	32.54	30.89	1.42	225	1000	DOWNSTREAM DEFENDER	600X600	D400	SINGLE SEALED	N	N	N	N	SUMP DEPTH 1550mm REFER TO MANUFACTURER'S DETAILS	383433.082	397264.9656	F2
DD2	32.92	31.40	1.30	225	1000	DOWNSTREAM DEFENDER	600X600	D400	SINGLE SEALED	N	N	N	N	SUMP DEPTH 1550mm REFER TO MANUFACTURER'S DETAILS	383474.897	397280.692	F2
Foul Water Manhole schedule																	
MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (m)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RECESSED	RESTRICTED ACCESS	HIGH LEVEL CONN	BACK DROP	COMMENTS	EASTING	NORTHING	
F1	32.39	30.91	1.255	225	600	PPIC	600X600	B125	SINGLE SEALED	N	Y	N	N		383383.500	397233.662	F1
F2A	MANHOLE OMITTED																
F2	32.35	30.86	1.265	225	600	PPIC	600X600	B125	SINGLE SEALED	N	N	N	N		383388.295	397231.629	F2
F3	32.75	30.80	1.725	225	600	PPIC	600X600	B125	SINGLE SEALED	Y	Y	N	31.60 (225 - UNDERSLUNG)	ACCESS RESTRICTED TO 350mm	383447.210	397268.161	F2
F4	32.73	30.78	1.721	225	600	PPIC	600X600	B125	SINGLE SEALED	N	Y	N	31.60 (225 - UNDERSLUNG)	ACCESS RESTRICTED TO 350mm	383445.197	397267.022	F2
F5A	32.36	30.45	1.685	225	600	PPIC	600X600	D400	SINGLE SEALED	Y	Y	N	N	ACCESS RESTRICTED TO 350mm	383422.650	397252.612	F2
F5B	32.90	29.85	2.822	225	600	PPIC	600X600	B125	SINGLE SEALED	Y	Y	N	30.79 (225 - F4)	ACCESS RESTRICTED TO 350mm	383437.422	397261.627	F2
F5C	32.79	30.20	2.365	225	600	PPIC	600X600	D400	SINGLE SEALED	Y	Y	N		ACCESS RESTRICTED TO 350mm	383434.234	397259.523	F2
F5	MANHOLE OMITTED																

- GENERAL NOTES:
1.

THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2.

ALL ADOPTABLE DRAINAGE WORKS INCLUDING WORKS TO EXISTING PUBLIC SEWERS TO BE UNDERTAKEN IN ACCORDANCE WITH "DESIGN AND CONSTRUCTION GUIDANCE FOR FOUL AND SURFACE WATER SEWERS OFFERED FOR ADOPTION - LATEST EDITION" AND "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7th EDITION" AND CONSTRUCTED TO THE RELEVANT STATUTORY UNDERTAKERS DETAILS.
3.

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'.
4.

ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
5.

ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
6.

THE CHAMBER SIZE OF MANHOLES WITH MORE THAN ONE CONNECTION MAY NEED TO BE INCREASED TO ACCOMMODATE THE CONNECTIONS AND BENDS.
7.

COVER LEVELS BASED ON LANDSCAPE GENERAL ARRANGEMENTS.
8.

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.
9.

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.
10.

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.
11.

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 AREAS.ANY AMBIGUITIES ON DRAWINGS/ACCESS AND MAINTENANCE STRATEGY SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY.
12.

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.
13.

ALL SURFACE CHANNELS TO BE OF THE TREADSAFE TYPE, UNLESS OTHERWISE SPECIFIED.
14.

ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

C01	ISSUED FOR CONSTRUCTION	28/07/25	JC	ATL
P11	UPDATED TO NEW LA PLAN & LEVELS	04/04/25	JC	ATL
P10	DRAINAGE AMENDED TO SUIT AS-BUILT PENETRATION LEVELS & REVISED FOUL OUTFALL LOCATION	09/09/24	ATL	ATL
P09	F1 STAGE 4 ISSUE	31/07/24	ATL	CG
P08	SURFACE WATER DRAINAGE AMENDED IN LINE WITH DISCUSSIONS	22/07/24	ATL	CG
P07	AMENDED IN LINE WITH COMMENTS	09/07/24	ATL	ATL
P06	OWEN STREET DRAINAGE AMENDED, DOWNSTREAM DEFENDERS ADDED	08/07/24	ATL	CG
P05	UPDATE TO INCLUDE PLOT F1 (STAGE 4)	12/06/24	ATL	CG
P04	DRAFT UPDATE TO INCLUDE PLOT F1 (STAGE 4)	08/05/24	ATL	CG
P03	STAGE 4 ISSUE	08.03.24	ATL	CG
P02	DRAFT ISSUE FOR COMMENT	13/09/23	ATL	CG
P01	ISSUED FOR STAGE 3/PLANNING CONDITIONS	28/07/23	KS	CG
Rev:	Description:	Date:	By:	Chkd:

Curtins

Merchant Exchange, 17-19 Whitworth Street West, Manchester, M1 5WG
0161 236 2384
manchester@curtins.com
www.curtins.com

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Status:CONSTRUCTION

Project: PLOT F, GREAT JACKSON STREET

Orig Title:MANHOLE SCHEDULE

Drawn ByKS

Designed ByKS

Checked ByCG

Curtins Project Reference078524

Date05/07/23

Scales @ A1NTS

Project No • Originator • Function • Spatial • Form • Discipline • Number

Revision

Z1- CUR - G580 - PL -XX- 92520C01

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