

Manhole schedule- Surface Water													
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	BACK DROP	COMMENTS
S1	87.220	85.870	1.200	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S2	87.220	85.755	1.315	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S3	87.220	86.170	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S4	87.180	85.474	1.556	150	1200	TYPE 2	750 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S5	87.130	85.332	1.648	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S6	87.140	85.790	1.200	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S7A	87.230	86.180	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S7	87.020	85.670	1.200	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S8	87.100	85.277	1.673	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S9	87.220	86.170	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S10	86.950	85.900	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S11	87.130	85.168	1.737	225	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	BD IL: 85.770	ACCESS RESTRICTED TO MAX. 350
S12	86.860	85.810	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S13	86.200	84.850	1.200	150	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S14	86.200	84.808	1.242	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S15	86.250	84.717	1.308	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S16	86.470	84.400	1.845	225	1200	TYPE 2	600 X 600	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S17A	85.150	84.100	0.900	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S17	85.110	83.940	1.020	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S18A	85.110	83.805	1.155	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S18	85.110	83.695	1.265	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S19	85.750	84.300	1.300	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S20	86.200	84.213	1.837	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S21	85.110	83.632	1.253	225	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S22	86.160	83.300	2.635	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	N/A	N	BD IL: 84.036	CATCHPIT WITH 500mm SUMP
S23	86.960	85.535	1.200	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S24	86.440	85.015	1.200	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S25	85.790	84.365	1.200	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S26	85.290	83.865	1.200	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S27	85.750	83.598	1.927	225	1200	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S28	85.800	83.340	2.235	225	1500	TYPE 2	600 X 600	D400	SINGLE SEALED	N/A	N	N/A	CATCHPIT WITH 500mm SUMP
FCC1	85.300	83.028	2.122	150	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
C1	85.230	82.590	2.340	300	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
C2	AS EXISTING	AS EXISTING	AS EXISTING	300	1500	TYPE 1B	1200 X 675	D400	SINGLE SEALED	N/A	N	BD IL: 82.376	TO BE BUILT ON EXISTING MH9602 LEVELS TBC ON SITE. PROPOSED CONNECTION BD IL: 82.376
S29	88.250	87.200	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S30	88.250	87.000	1.100	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S31	88.050	87.000	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S32	88.050	86.687	1.138	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	N/A	N	N/A	N/A
S33	87.420	86.370	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S34	87.440	85.830	1.385	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S34A	87.900	86.850	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S34B	87.420	85.790	1.405	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	BD IL: 86.754	CATCHPIT WITH 500mm SUMP
S35	87.500	86.450	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	N/A	N	N/A	N/A
S36	87.640	86.290	1.200	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S37	87.500	85.938	1.337	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S37A	87.450	85.778	1.447	225	1500	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	CATCHPIT WITH 500mm SUMP
S38	88.220	86.870	1.200	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S39	88.220	86.764	1.306	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S40	87.750	86.576	1.024	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S41	87.800	86.750	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S42	87.800	86.200	1.450	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S43	87.700	86.111	1.439	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S44	87.700	85.850	1.700	150	1200	TYPE 2	1200 X 675	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	CATCHPIT WITH 500mm SUMP
S45	88.950	87.600	1.200	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S46	88.600	87.356	1.094	150	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	Y	N/A	ACCESS RESTRICTED TO MAX. 350
S47	89.090	88.040	0.900	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S48	89.090	87.976	0.964	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S49	88.790	87.659	0.981	150	600	PPIC	450 X 450	B125	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S50	88.400	87.186	0.989	225	600	PPIC	450 X 450	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S51	88.280	86.855	1.200	225	1200	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
S52	87.880	85.800	1.855	225	1200	TYPE 2	600 X 600	D400	SINGLE SEALED	LA TO CONFIRM	N	BD IL 86.637	CATCHPIT WITH 500mm SUMP
FCC2	88.200	85.690	2.360	150	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A
C3	88.400	85.420	2.755	225	1500	TYPE 2	1200 X 675	D400	SINGLE SEALED	LA TO CONFIRM	N	N/A	N/A

- GENERAL NOTES:
1.

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

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.
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 TPM LANDSCAPE, DRAWING REF 103 & 104, REV A DATED 09.11.20.
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.
13.

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.
14.

ALL SURFACE CHANNELS TO BE OF THE TREADSAFE TYPE, UNLESS OTHERWISE SPECIFIED.
15.

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

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:



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Status:STAGE 3 ISSUE

Project:OLDHAM ROAD, NEWTON HEATH

Orig Title:MANHOLE SCHEDULE
SURFACE WATER

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	16/11/20	AH	AH	CD

Scale: NTS	Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
	074031	- CUR	- 00	- XX	- DR	- C	- 92510	- P02