Manhole schedule - Surface Water

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
S1	85.49	84.37	0.89	225	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;
S2	86.25	84.04	1.98	225	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S3	86.34	83.91	2.21	225	1200	TYPE B	Y	300	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S4	86.32	83.84	2.25	225	1200	TYPE B	Y	300	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S5	85.70	84.65	0.90	150	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S6	85.92	84.50	1.20	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S7	86.11	83.78	2.11	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;
S8	85.32	84.27	0.90	150	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S9	85.36	84.03	1.11	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	Y	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S10	85.55	83.38	1.95	225	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;
S11	85.22	84.44	0.63	150	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;
S12	85.50	84.36	0.99	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	Y	N	N/A	N	UNRESTRICTED;
S13	85.34	83.37	1.75	225	1500	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	Y	N	N/A	N	FLOW CONTROL CHAMBER MAX DISCHARGE RATE 20.3l/s CTL-SHE-0118-5600-05800-5600
S14	85.74	85.01	0.58	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S15	85.46	84.51	0.80	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S16	85.51	84.41	0.88	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S17	86.07	85.16	0.76	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
S18	86.08	84.83	1.03	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S19	86.57	85.33	1.09	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S20	86.82	85.13	1.54	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
S21	86.83	84.92	1.69	225	600	PPIC	N	N/A	600X600	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;

Manhole schedule - Foul Water

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
F1	86.06	85.24	0.72	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F2	85.99	85.17	0.72	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F3	85.76	84.95	0.66	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F4	85.69	84.93	0.61	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F5	85.39	84.31	0.98	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F6	85.46	84.29	1.07	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	N	UNRESTRICTED;
F7	85.69	84.13	1.41	150	450	PPIC	N	N/A	450X450	B125	SINGLE SEALED	N	Y	84.89	Y	RESTRICTED ACCESS 350mm DIA MAX;
F8	85.63	84.05	1.43	150	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F9	86.63	84.03	2.45	150	450	PPIC	N	N/A	450X450	D400	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F10	86.57	85.32	1.15	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F11	86.65	85.22	1.33	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F12	86.83	85.52	1.21	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F13	86.74	85.40	1.24	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F14	86.68	85.05	1.48	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F15	85.94	84.64	1.20	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F16	86.96	84.59	2.37	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F17	85.78	84.42	1.36	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F18	85.78	84.38	1.40	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F19	85.78	84.35	1.43	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F20	85.34	84.21	1.13	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F21	85.34	84.17	1.17	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F22	85.34	84.13	1.21	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F23	86.22	84.92	1.30	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F24	86.15	84.85	1.30	100	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F25	86.08	84.73	1.35	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F26	86.07	84.70	1.37	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F27	86.00	84.65	1.35	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F28	85.90	84.55	1.35	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F29	85.90	84.52	1.38	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F30	85.77	84.42	1.35	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F31	85.63	84.28	1.35	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;
F32	85.48	84.15	1.33	150	600	PPIC	N	N/A	600X600	B125	SINGLE SEALED	N	N	N/A	Y	RESTRICTED ACCESS 350mm DIA MAX;

Manhole Schedule - Combined Water

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
C01	85.24	83.28	1.96	300	1200	TYPE B	N	N/A	600X600	D400	SINGLE SEALED	Y	Y	84.12	N	UNRESTRICTED;
C02	85.50	80.89	4.61	AS EXISTING	1500	TYPE A1/2	N	N/A	600X600	D400	SINGLE SEALED	Y	Y	83.25	N	UNRESTRICTED;

FOR ALL MANHOLES WITHIN THE ROAD SEE CURTINS DRAWING:
074031-CUR-00-XX-D-C-92950-P01_Phase 2 Access Road Drainage Layout

Existing Manholes within Phase 2

MH Ref	CL	New Proposed Cover level	Level Difference	Raised/Lowered
EXC01A	85.58	85.61	0.03	R
EXC01B	85.00	85.19	0.19	R

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 "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 3538 102A Landscape Layout.
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. 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.
10. 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.
11. 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.
12. ALL SURFACE CHANNELS TO BE OF THE TREADSAFE TYPE, UNLESS OTHERWISE SPECIFIED.
13. ALL PROPRIETARY PRODUCTS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS, INSTRUCTIONS AND RECOMMENDATIONS.

Rev:	Description:	Date:	By:	Chkd:
P02	MH EXC01A AND EXC01B COVER LEVEL UPDATED	05/08/24	CS	CG
P01	ISSUED FOR TENDER	19/07/24	JC	CS

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Status: TENDER ISSUE

Project: OLDHAM ROAD, NEWTON HEATH

Drg Title: MANHOLE SCHEDULE PHASE 2

Drawn By	Designed By	Checked By
JC	CS	CS
	Date: 11/01/24	Scales @ A1: N/A

Project No - Originator - Function - Spatial - Form - Discipline - Number: 074031 - CUR - 00 - XX - D - C - 92630

Revision: P02

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