

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	BACK DROP	COMMENTS
S01	44.53	43.48	0.90	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S02	45.07	43.24	1.68	150	1200	TYPE B	600X600	D400	SINGLE SEALED	N	Y	N	
S03	44.60	42.28	2.02	300	1200	TYPE C	600X600	D400	SINGLE SEALED	N	N	N	CATCHPIT - 300mm SUMP
S04	43.92	42.23	1.39	300	1500	TYPE C	1200X675	D400	SINGLE SEALED	N	N	N	CATCHPIT - 300mm SUMP
S05	44.36	42.06	2.00	300	1200	TYPE B	1200X675	D400	SINGLE SEALED	N	N	N	FLOW CONTROL (HYDROBRAKE) MANHOLE SUMP DEPTH TBC BY MANUFACTURER
S06	43.90	42.01	1.59	300	1200	TYPE B	600X600	B125	SINGLE SEALED	N	N	N	
S07	43.83	43.05	0.63	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S08	43.48	42.63	0.70	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S08A	43.48	42.65	0.68	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S09	43.70	42.59	0.97	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S10	43.87	42.45	1.27	150	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
S11	45.07	44.02	0.90	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S12	44.78	43.85	0.78	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S13	44.38	43.11	1.12	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S14	44.36	43.31	0.90	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S15	44.53	43.11	1.27	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	RESTRICTED ACCESS 350mm DIA MAX;
S16	43.93	43.06	0.72	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	CATCHPIT - 300mm SUMP
s17	44.75	43.89	0.71	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
S18	44.20	43.15	0.90	150	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	

Foul 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	BACK DROP	COMMENTS
F01	44.78	43.62	1.06	100	450	PPIC	450X450	D400	SINGLE SEALED	N	N	N	
F02	45.13	43.38	1.65	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F03	45.06	43.20	1.77	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F04	44.73	43.02	1.62	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F05	44.51	42.96	1.45	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F08	44.24	42.55	1.59	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F06	45.07	42.30	2.67	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;
F07	44.60	41.99	2.51	100	450	PPIC	450X450	D400	SINGLE SEALED	N	Y	N	RESTRICTED ACCESS 350mm DIA MAX;

DRAWING BASED ON:

TOPOGRAPHICAL SURVEY
74193MCUG-01 TOPOGRAPHICAL & GPR SURVEY DATED MARCH 2025

CCTV SURVEY

- S26205 CCTV SURVEY BY SEP DATED MAY 25

ARCHITECT'S PLANS

- MCNMC-GDA-V1-S1-DR-A-1002 P07 PROPOSED SITE PLAN
- HMCNMC-GDA-V1-00-DR-A-1010 P07 PROPOSED GROUND FLOOR PLAN

STRUCTURAL PLANS

- 087546-CUR-XX-FN-D-S-16001 P02 FOUNDATION GA
- 087546-CUR-XX-FN-D-S-16100 P02 SITE RETAINING WALL GA

SITE INVESTIGATION

- 087546-CUR-XX-XX-T-GE-00002 P01 PHASE 1 PRELIMINARY RISK ASSESSMENT.

- GENERAL NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - 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 WFLREF-GDA-V1-S1-DR-A-1002_P06_PROPOSED SITE & TOPO SURVEY LEVELS.
 - 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 REQUIREMENT TBC BY ARCHITECT/ 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 ARCHITECT/ 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.
 - MANHOLE COORDINATES TO BE PROVIDED AT DETAILED DESIGN STAGE.

P02	STAGE 4 ISSUE	22/08/25	RO	GD
P01	STAGE 3 ISSUE	18/06/25	ATL	MW
Rev:	Description:	Date:	By:	Chkd:

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Civils & Structures • Transport Planning • Environmental • Infrastructure • Geotechnical • Conservation & Heritage • Principal Designer
Birmingham • Bristol • Cambridge • Cardiff • Douglas • Dublin • Edinburgh • Glasgow • Kendal • Liverpool • London • Manchester • Nottingham

Status:

SUITABLE FOR AUTHORIZATION

S4

Project:

HAWTHORN MEDICAL CENTRE

Orig Title:

MANHOLE SCHEDULES

Drawn By

ATL

Designed By

ATL

Checked By

MW

Date

19/06/2025

Scales @ A1

NTS

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

HMCNMC - CUR - XX - XX - DR - C - 92510

Revision

P02

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