SURFACE MANHOLE SCHEDULE
5A

MH NAME	MH CL (m)	MH IL (m)	MH DEPTH (m)	MH TYPE	INLET PIPE INVERTS (m)	INLET PIPE DIAMETERS (mm)	OUTLET PIPE INVERTS (m)	OUTLET PIPE DIAMETERS (mm)	MH DIAM, LxW (m)	COVER TYPE	COVER OPENING SIZE, LxW (mm)	SETTING OUT COORDINATES (mE, mN)	COMMENTS
5A/1	3.866	2.178	1.688	TYPE 7			1.000 2.478	300	1.200	D400	600X600	485818.316, 408577.678	
5A/2	4.259	2.071	2.188	TYPE 7	1.000 2.371	300	1.001 2.371	300	1.200	D400	600X600	485798.099, 408561.137	
5A/3	4.143	2.014	2.129	TYPE 7	1.001 2.314	300	1.002 2.314	300	1.200	D400	600X600	485787.139, 408552.518	
5A/4	3.972	1.932	2.040	TYPE 7	1.002 2.232	300	1.003 2.232	300	1.200	D400	600X600	485773.803, 408537.584	
5A/5	3.950	1.866	2.084	TYPE 7	1.003 2.166	300	1.004 2.166	300	1.200	D400	600X600	485774.364, 408521.429	
5A/6	4.002	2.200	1.802	TYPE 8			2.000 2.500	300	0.600	D400	600X600	485766.412, 408397.042	
5A/7	4.052	1.918	2.134	TYPE 7	2.000 2.218	300	2.001 2.218	300	1.200	D400	600X600	485784.499, 408463.325	
5A/8	4.048	1.842	2.206	TYPE 7	2.001 2.142	300	2.002 2.142	300	1.200	D400	600X600	485788.911, 408481.405	
5A/9	4.115	1.793	2.322	TYPE 7	2.002 2.093	300	2.003 2.093	300	1.200	D400	600X600	485786.828, 408493.140	
5A/10	4.157	2.088	2.069	TYPE 7			3.000 2.388	300	1.200	D400	600X600	485806.739, 408548.206	
5A/11	3.919	1.988	1.931	TYPE 7	3.000 2.288	300	3.001 2.288	300	1.200	D400	600X600	485790.849, 408531.004	
5A/12	4.262	1.961	2.301	TYPE 7			4.000 2.261	300	1.200	D400	600X600	485805.065, 408483.489	
5A/13	4.153	1.889	2.264	TYPE 7	4.000 2.189	300	4.001 2.189	300	1.200	D400	600X600	485809.497, 408500.532	
5A/14	4.008	1.821	2.187	TYPE 7	3.001 2.189 4.001 2.121	300 300	3.002 2.121	300	1.200	D400	600X600	485794.992, 408507.669	
5A/15	4.103	0.551	3.552	TYPE 7	1.004 2.066 2.003 2.066 3.002 2.066	300 300 300	1.005 0.851	225	2.100	D400	600X600	485783.137, 408498.669	FLOW CONTROL CHAMBER. HYDROBRAKE FLOW CONTROL AT 28.1 l/sec, DESIGN HEAD =2.950m MD-SHE-0202-2810-2950-2810
5A/OUTFALL	2.274	-0.170	2.444	HEADWALL OUTFALL	1.005 -0.170	225			0.300	D400	600X600	485762.309, 408488.192	

SURFACE MANHOLE SCHEDULE
N5B

MH NAME	MH CL (m)	MH IL (m)	MH DEPTH (m)	MH TYPE	INLET PIPE INVERTS (m)	INLET PIPE DIAMETERS (mm)	OUTLET PIPE INVERTS (m)	OUTLET PIPE DIAMETERS (mm)	MH DIAM, LxW (m)	COVER TYPE	COVER OPENING SIZE, LxW (mm)	SETTING OUT COORDINATES (mE, mN)	COMMENTS
N5B/1	4.001	1.748	2.253	TYPE 7			1.000 2.048	300	1.200	D400	600X600	485847.342, 408557.964	
N5B/2	4.031	1.694	2.337	TYPE 7	1.000 1.994	300	1.001 1.994	300	1.200	D400	600X600	485851.233, 408545.447	
N5B/3	3.940	1.620	2.320	TYPE 7	1.001 1.920	300	1.002 1.920	300	1.200	D400	600X600	485861.364, 408530.492	
N5B/4	3.938	1.871	2.067	TYPE 7			2.000 2.171	150	1.200	D400	600X600	485871.844, 408523.854	
N5B/5	4.031	1.565	2.466	TYPE 7	1.002 1.865 2.000 2.015	300 150	1.003 1.865	300	1.200	D400	600X600	485857.458, 408517.771	
N5B/6	4.043	1.723	2.320	TYPE 7			3.000 2.023	150	1.200	D400	600X600	485859.580, 408502.748	
N5B/7	4.143	1.489	2.654	TYPE 7	1.003 1.789 3.000 1.939	300 150	1.004 1.789	300	1.200	D400	600X600	485851.570, 408500.108	
N5B/8	4.191	1.779	2.412	TYPE 7			4.000 2.079	300	1.200	D400	600X600	485829.031, 408563.271	
N5B/9	4.110	1.720	2.390	TYPE 7	4.000 2.020	300	4.001 2.020	300	1.200	D400	600X600	485824.351, 408548.967	
N5B/10	3.897	1.615	2.282	TYPE 7	4.001 1.915	300	4.002 1.915	300	1.200	D400	600X600	485841.119, 408530.085	
N5B/11	4.199	1.591	2.608	TYPE 7			5.000 1.891	300	1.200	D400	600X600	485813.575, 408497.011	
N5B/12	4.132	1.504	2.628	TYPE 7	4.002 1.804 5.000 1.804	300 300	4.003 1.804	300	1.200	D400	600X600	485832.895, 408504.244	
N5B/13	4.014	1.908	2.106	TYPE 8			6.000 2.208	300	0.600	D400	600X600	485792.140, 408390.730	
N5B/14	4.139	1.740	2.399	TYPE 7	6.000 2.040	300	6.001 2.040	300	1.200	D400	600X600	485806.037, 408429.289	
N5B/15	4.213	1.619	2.594	TYPE 7	6.001 1.919	300	6.002 1.919	300	1.200	D400	600X600	485817.067, 408456.712	
N5B/16	4.270	1.508	2.762	TYPE 7	6.002 1.808	300	6.003 1.808	300	1.200	D400	600X600	485829.139, 408480.839	
N5B/17	4.268	0.223	4.045	TYPE 7	1.004 1.738 4.003 1.738 6.003 1.738	300 300 300	1.005 0.523	225	2.100	D400	600X600	485842.740, 408491.354	FLOW CONTROL CHAMBER. HYDROBRAKE FLOW CONTROL AT 26.6 l/sec, DESIGN HEAD =3.400m MD-SHE-0190-2660-3400-2660
N5B/OUTFALL	1.965	-0.356	2.321	HEADWALL OUTFALL	1.005 -0.356	225			0.300	D400	600X600	485855.077, 408475.354	

SURFACE MANHOLE SCHEDULE
N8A

MH NAME	MH CL (m)	MH IL (m)	MH DEPTH (m)	MH TYPE	INLET PIPE INVERTS (m)	INLET PIPE DIAMETERS (mm)	OUTLET PIPE INVERTS (m)	OUTLET PIPE DIAMETERS (mm)	MH DIAM, LxW (m)	COVER TYPE	COVER OPENING SIZE, LxW (mm)	SETTING OUT COORDINATES (mE, mN)	COMMENTS
N8A/1	4.105	2.292	1.813	TYPE 7			1.000 2.592	225	1.200	D400	600X600	485869.129, 408692.243	
N8A/2	4.350	2.101	2.250	TYPE 7	1.000 2.401	225	1.001 2.401	225	1.200	D400	600X600	485857.749, 408662.357	
N8A/3	4.328	1.823	2.505	TYPE 7	1.001 2.123	225	1.002 2.123	225	1.200	D400	600X600	485839.027, 408619.872	
N8A/4	3.931	0.480	3.451	TYPE 7	1.002 1.855	225	1.003 0.780	225	1.200	D400	600X600	485817.491, 408580.634	
N8A/OUTFALL	1.806	-0.126	1.932	HEADWALL OUTFALL	1.003 -0.126	225			0.300	D400	600X600	485801.314, 408584.584	

SURFACE MANHOLE SCHEDULE
N8B

MH NAME	MH CL (m)	MH IL (m)	MH DEPTH (m)	MH TYPE	INLET PIPE INVERTS (m)	INLET PIPE DIAMETERS (mm)	OUTLET PIPE INVERTS (m)	OUTLET PIPE DIAMETERS (mm)	MH DIAM, LxW (m)	COVER TYPE	COVER OPENING SIZE, LxW (mm)	SETTING OUT COORDINATES (mE, mN)	COMMENTS
N8B/1	4.068	2.289	1.779	TYPE 7			1.000 2.589	225	1.200	D400	600X600	485894.366, 408683.015	
N8B/2	4.330	2.109	2.221	TYPE 7	1.000 2.409	225	1.001 2.409	225	1.200	D400	600X600	485883.651, 408654.884	
N8B/3	4.313	1.843	2.471	TYPE 7	1.001 2.143	225	1.002 2.143	225	1.200	D400	600X600	485868.102, 408613.217	
N8B/4	3.970	0.511	3.459	TYPE 7	1.002 1.886	225	1.003 0.811	225	1.200	D400	600X600	485853.202, 408572.917	
N8B/OUTFALL	1.978	-0.278	2.256	HEADWALL OUTFALL	1.003 -0.278	225			0.300	D400	600X600	485868.723, 408559.963	

GENERAL NOTES:

1. THE NOTES ARE INTENDED TO AUGMENT DRAWINGS AND SPECIFICATIONS. WHERE CONFLICT OF REQUIREMENTS EXIST THE ORDER OF PRECEDENCE SHALL BE AS SHOWN IN THE SPECIFICATION. OTHERWISE THE STRICTEST PROVISION SHALL GOVERN.
2. THE DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ENGINEERS AND ARCHITECTS DRAWINGS.
3. DRAWINGS NOT TO BE SCALED. ALL DIMENSIONS TO BE CHECKED ON SITE BY CONTRACTOR. ANY DISCREPANCIES TO BE NOTIFIED TO THE ENGINEER AND FURTHER INSTRUCTIONS OBTAINED BEFORE WORK IS COMMENCED
4. ALL LEVELS ARE IN METRES AOD (ABOVE ORDNANCE DATUM) UNLESS NOTED OTHERWISE.
5. ALL WORKS TO BE UNDERTAKEN IN COMPLIANCE WITH BS 8000 FOR WORKMANSHIP ON BUILDING SITES.
6. ABBREVIATIONS:MH = MANHOLE
   CL = COVER LEVEL
   IL = INVERT LEVEL
   SW = SURFACE WATER
   N1-10/S = SWALE
   N1-10/MH =SURFACE WATER CHAMBERS.
   DS = SURFACE WATER DEMARCATION CHAMBER
   CONC = CONCRETE
   DWG = DRAWING
7. ALL EARTHWORKS SHALL BE UNDERTAKEN IN FULL COMPLIANCE WITH THE SPECIFICATION FOR HIGHWAYS WORKS MCW SERIES 600.
8. THE CONTRACTOR MUST ENSURE THAT THE WHOLE WORKS COMPLY BOTH WITH THE SPECIFICATION AND THE DRAWINGS WHICH ARE SUBJECT TO APPROVAL BY THE RELEVANT AUTHORITIES.
9. IF ANY DISCREPANCIES EXIST BETWEEN THE SPECIFICATION AND THE DRAWINGS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
10. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITY PRIOR TO COMMENCEMENT OF EACH STAGE OF THE WORK FOR THEIR REPRESENTATIVE TO CARRY OUT INSPECTION TO ENSURE COMPLIANCE WITH THEIR SPECIFICATION AND APPROVED DETAILS. IF ANY SUCH REQUESTS OR INSTRUCTIONS CAUSE CONFLICT WITH THE SPECIFICATION THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.

Rev	Description	Date	By	Chk	App
C01	DRAINAGE ROUTE ADJUSTED TO AVOID PROPOSED UTILITIES, CONSTRUCTION ISSUE	20.05.24	JP	JAG	JAG
P2	COVER LEVELS FOR MANHOLES WITHIN ROUNDABOUT ISLAND UPDATED	04.11.22	JP	JAG	JAG
P1	FIRST ISSUE	30.09.22	JP	JAG	JAG

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Project: LINCOLNSHIRE LAKES, SCUNTHORPE M181/B1450 HIGHWAY WORKS

Client: NORTH LINCOLNSHIRE COUNCIL

Drawing: M181-JUNCTION -DRAINAGE MANHOLE SCHEDULES

Role: CIVIL ENGINEER

Drawing Status: FOR CONSTRUCTION

Job. no. 47603 | Scale@ A1: N/A | Rev. C01

Project Originator Volume Level Type Role Number
M181 - AWP - 01 - 05 - DR - D - 0020

100mm at A1