

Manhole Reference	Cover Level (m)	Invert Level (m)	Manhole Type	Manhole depth (m)	Internal Manhole Size	Cover Clear Opening and Cover Grade	Comments
F1	50.300	49.650	IC	0.650	750x600 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS B125 Recessed Cover	Internal manhole - double sealed and bolted
F2	50.300	49.303	IC	0.997	600x450 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS B125 Recessed Cover	Internal manhole - double sealed and bolted
F3	50.339	49.045	IC	1.294	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
F4	50.075	48.900	IC	1.175	600x450 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS B125 Recessed Cover	Internal manhole - double sealed and bolted
F5	50.075	48.776	IC	1.299	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
F6a	50.930	49.730	IC	1.200	1000x675 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS B125 Recessed Cover	
F6	50.961	48.535	TYPE B	2.426	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
F7	50.965	49.800	IC	1.165	1200x750 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS B125 Recessed Cover	
F8	50.963	49.491	IC	1.472	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
F9	50.974	49.362	TYPE B	1.612	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125 Recessed Cover	Steps Required
F10	50.980	49.600	IC	1.380	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS D400	Steps Required
F11	50.980	49.035	TYPE B	1.945	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400 Recessed Cover	Steps Required
F12	50.961	48.191	TYPE B	2.770	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
F13	50.795	47.862	TYPE B	2.933	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
F20	49.610	47.000	TYPE B	2.610	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
F21	49.115	46.400	TYPE B	2.715	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
F22	47.950	44.600	TYPE A	3.350	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125	Ladder required
F23	49.280 TBC	44.300	TYPE A	4.980	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125	Cover level TBC - To match existing levels Ladder required
C1	50.190	47.040	TYPE A	3.150	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Ladder required
C2	47.786	46.610	TYPE B	1.176	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	
C20	47.250	44.000	TYPE A	3.250	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125	Ladder required

FOUL & COMBINED WATER MANHOLE SCHEDULES

Manhole Reference	Cover Level (m)	Invert Level (m)	Manhole Type	Manhole depth (m)	Internal Manhole Size	Cover Clear Opening and Cover Grade	Comments
S1	50.085	48.885	IC	1.200	750x600 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS D400	
S2	48.410	47.207	IC	1.203	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS D400	Steps Required
S3	47.510	46.300	IC	1.210	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS D400	Steps Required
S4	49.227	48.215	IC	1.012	1200x750 Rectangular Precast Concrete Blocks	600x600 eccentric BS EN 124 CLASS D400	
S5	50.408	48.119	TYPE B	2.289	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
S6	50.378	49.145	IC	1.233	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
S7	50.378	49.071	IC	1.307	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
S8a	50.290	48.800	IC	1.490	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
S8	50.741	48.648	TYPE B	2.093	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125 Recessed Cover	Steps Required
S9	50.975	49.775	IC	1.200	1000x675 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS D400	
S10	50.910	48.016	TYPE B	2.894	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
S11	50.980	50.200	IC	0.780	600x450 Rectangular Precast Concrete Blocks	600x450 Opening BS EN 124 CLASS D400	
S12	50.910	47.930	TYPE B	2.980	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
S13	50.983	49.695	IC	1.288	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
S14	50.974	49.507	IC	1.467	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125 Recessed Cover	Steps Required
S15	50.914	47.873	TYPE A	3.491	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400 Recessed Cover	450mm Deep sump Ladder required
S16	50.988	50.000	IC	0.988	475mm Polypropylene Ring	440mm diameter Hepworth SPK8 Recessed Cover	
S17	51.600	49.827	TYPE B	2.223	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125 Recessed Cover	450mm Deep sump Steps Required
S18	50.286	48.100	TYPE B	2.636	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	450mm Deep sump Steps Required
S25	49.610	47.500	TYPE B	2.110	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
S26	48.890	47.055	TYPE B	1.835	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Steps Required
S27	47.950	46.680	IC	1.270	1200x750 Rectangular Precast Concrete Blocks	1200x675 Opening BS EN 124 CLASS B125	Steps Required
S28	49.230	46.373	TYPE B	2.857	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125	Steps Required
S29	47.640	46.200	TYPE B	1.890	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS B125	450mm Deep sump Steps Required
SW PUMP	47.185	45.947	GRP PUMP	1.238	GRP PUMP	600x600 eccentric BS EN 124 CLASS D400	Refer to New Haden Quote - P-171337 A0
FC1	50.267	47.100	TYPE B	3.167	1200 Diameter Precast Concrete Rings	600x600 eccentric BS EN 124 CLASS D400	Ladder required

SURFACE WATER MANHOLE SCHEDULE

MANHOLE SETTING OUT CO-ORDINATES		
SOP	Eastings (m)	Northings (m)
C1	525217.889	184792.047
C2	525213.084	184761.395
C20	525104.262	184779.602
F1	525117.953	184848.987
F10	525172.161	184819.816
F11	525183.758	184817.815
F12	525183.548	184808.476
F13	525214.666	184798.945
F2	525130.894	184845.588
F20	525089.588	184823.034
F21	525106.699	184815.867
F22	525102.588	184796.458
F23	525116.708	184785.538
F3	525135.472	184832.780
F4	525136.246	184809.234
F5	525137.119	184814.143
F6	525150.957	184814.132
F7	525207.657	184830.169
F8	525189.713	184833.327
F9	525181.633	184834.297
FC1	525222.989	184793.051
S1	525107.808	184840.618
S10	525158.921	184815.511
S11	525168.403	184820.531
S12	525168.804	184813.627
S13	525204.965	184814.248
S14	525186.798	184817.007
S15	525185.903	184810.368
S16	525218.716	184827.339
S17	525221.974	184812.212
S18	525219.416	184794.044
S2	525111.045	184803.621
S25	525088.778	184821.465
S26	525108.733	184813.970
S27	525100.181	184795.077
S28	525114.610	184786.892
S29	525104.177	184789.280
S3	525107.947	184784.640
S4	525114.196	184820.593
S5	525142.751	184815.606
S6	525138.735	184839.535
S7	525137.966	184835.398
S8	525148.218	184823.552
S8a	525136.263	184824.641
S9	525161.010	184821.645
SW PUMP	525108.560	184778.404

Notes :

1. This Drawing is to be read in conjunction with all relevant Architect's Engineer's and specialists' drawings and specifications.
2. Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale this bar should be 50mm long @ A1 or 25mm long @ A3.
3. Health & Safety : All specific drawing notes are to be read in conjunction with the project "Information Pack" and "Site Rules".
4. For general notes refer to Drawing No. 22885-600
5. Location of manhole covers to be co-ordinated with the Architects & Landscape Architects.

8	11.04.16	DLa	KB	Issued for Construction
7	08.04.16	DLa	KB	Issued for Draft Construction
6	12.02.16	AH	KB	Issued for Construction
5	14.12.15	DLa	KB	Revisions Clouded
4	26.10.15	DLa	KB	Issued for Tender
3	18.08.15	DLa	KB	Issued for Tender
2	28.04.15	DLa	KB	Issued for Tender
1	21.04.15	DLa	KB	Issued for Tender
Ver	Date	Drawn	Eng	Amendment

KINGSGATE SCHOOL  
LIDDELL ROAD

MANHOLE SCHEDULES  
& SETTING OUT  
CO-ORDINATES

Status  
FOR CONSTRUCTION

Drawn	DLa	Eng	KB
Scales	NTS at A1	NTS at A3	
Drawing No	Ver		
22885-620	8		