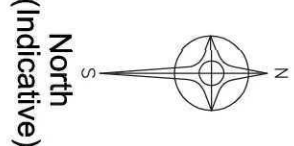


SECTION 38 LEGEND:

- Section 38
- Highway Boundary.
- Boundary of Site Ownership.
- Highway Easement.



ADOPTABLE MAINLINE SCHEDULE							FRAME
MH REF	COVER LEVEL	INVERT LEVEL	PIPE DIA	DEPTH TO SOFFIT	MH TYPE	MH DIA	
S1	3.120	1.710	0.225	1.685	E	1200	100mm deep D400 600 x 800
S2	2.050	1.455	0.225	1.500	Special	2400x2400	100mm deep D400 600 x 800
S2a	2.015	1.333	0.225	0.957	Special	450	100mm deep D400 600 x 800
S2b	2.300	1.279	0.225	1.279	Special	450	100mm deep D400 600 x 800
S3	2.650	1.170	0.450	1.350	Special	2400x2400	100mm deep D400 600 x 800
S4	2.600	1.097	0.225	0.984	E	1200	100mm deep D400 600 x 800
S5	2.900	1.097	0.225	1.238	E	1200	100mm deep D400 600 x 800
S6	2.700	1.136	0.450	1.174	E	1200	100mm deep D400 600 x 800
S7	2.550	1.072	0.450	1.108	E	1200	100mm deep D400 600 x 800
S8	2.530	1.022	0.450	1.158	E	1200	100mm deep D400 600 x 800
S9	2.640	0.908	0.450	1.282	E	1200	100mm deep D400 600 x 800
S10	2.680	0.877	0.225	1.568	Special	1800	100mm deep D400 600 x 800
F1	3.130	1.949	0.150	1.631	B	1500	100mm deep D400 600 x 800
F2	3.030	1.691	0.150	1.799	B	1500	100mm deep D400 600 x 800
F3	2.800	1.425	0.150	1.988	E	1200	100mm deep D400 600 x 800
F4	2.970	1.010	0.150	1.640	E	1200	100mm deep D400 600 x 800
F5	3.010	0.806	0.150	2.054	B	1200	100mm deep D400 600 x 800
F6	2.930	0.605	0.150	2.175	B	1200	100mm deep D400 600 x 800
F7	2.930	0.519	0.150	2.231	B	2100	100mm deep D400 600 x 800
F8	2.930	0.500	0.150	2.280	B	2100	100mm deep D400 600 x 800
F9	2.920	1.770	0.150	1.000	E	1200	100mm deep D400 600 x 800

Type E Manhole will require double step rungs if the depth is greater than 1.0m

Type E Manholes will require double step rings if the depth is greater than 1.0m

PIPE STRENGTH CALCULATIONS		PIPE DIA	DEPTH OF COVER	BEDDING	DESIGN	W/S x L/S	REQ PIPE STR.
PIPE REFERENCE		mm	MM/m	MAX m	FACTOR	W/S	Bedding Factor
S1-S2		225	1.19	1.25	2.2	26.50	15.06
S2-S2a		225	0.46	1.25	2.2	42.01	23.47
S2a-S2b		225	0.46	0.80	2.2	38.16	42.35
S2b-S3		225	0.80	1.25	2.2	41.86	23.80
S3-S4		450	1.17	1.23	2.2	29.04	16.56
S4-S5		225	0.88	1.24	2.2	29.98	14.76
S5-S6		225	1.17	1.24	2.2	44.37	12.53
S6-S7		450	1.11	1.17	4.5	44.37	12.53
S7-S8		450	1.11	1.16	4.5	44.37	12.53
S8-S9		450	1.28	1.38	2.2	40.74	23.18
S9-S10		225	1.59	1.63	2.2	24.04	13.66
S10-Highway		150	1.78	1.53	2.2	20.39	11.41
F1-F2		150	2.33	2.39	2.2	20.09	11.41
F2-F3		150	1.55	1.79	2.2	20.57	11.69
F3-F4		150	1.79	2.20	2.2	21.05	11.96
F4-F5		150	1.53	1.53	2.2	20.09	11.41
F5-F6		150	2.30	2.30	2.2	20.09	11.41
F6-F7		150	2.30	2.30	2.2	19.81	11.26
F7-F8		150	2.30	2.50	2.2	21.11	11.89
F8-F9		150	1.00	2.36	2.2	27.29	15.51

BEDDING FACTORS Class B 19, Class S 23, Unreinforced Concrete 4.5.



PLEASE REFER TO WD/157/14 FOR
FURTHER SECTION 38 INFORMATION

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Drawing status

Tender

Drawing title

Section 38
(Sheet 1 of 2)

Project title

Residential Development
Lime Walk
Long Sutton

Drawn

LC/DM

Approved

Date

18/03/11

Drawing No

WD/157/12A

Scale

1:250

A1) Referred to with Leicestershire County Highways technical comments.

Referred to Tender: DM 28/05/11

Revisions: