ADOPTABLE MANHOLE SCHEDULE

MH REF	COVER LEVEL	INVERT LEVEL	PIPE DIA	DEPTH TO SOFFIT	MH TYPE	MH DIA	FRAME
S1	3.120	1.710	0.225	1.185	E	1200	100mm deep D400, 600 x 600
S2	2.950	1.425	0.225	1.300	Special	2400x2400	100mm deep D400, 600 x 600
S2a	2.015	1.333	0.225	0.457	Special	450	100mm deep D400, 600 x 600
S2b	2.300	1.279	0.225	0.796	Special	450	100mm deep D400, 600 x 600
S3	2.850	1.170	0.450	1.230	Special	2400x2400	100mm deep D400, 600 x 600
S4	2.900	1.691	0.225	0.984	E	1200	100mm deep D400, 600 x 600
S5	3.000	1.537	0.225	1.238	E	1200	100mm deep D400, 600 x 600
S6	2.760	1.136	0.450	1.174	E	1200	100mm deep D400, 600 x 600
S7	2.630	1.072	0.450	1.108	E	1200	100mm deep D400, 600 x 600
S8	2.630	1.022	0.450	1.158	E	1200	100mm deep D400, 600 x 600
S9	2.640	0.908	0.450	1.282	E	1200	100mm deep D400, 600 x 600
S10	2.590	0.877	0.225	1.588	Special	1800	100mm deep D400, 600 x 600
F1	3.130	1.349	0.150	1.631	B	1200	100mm deep D400, 600 x 600
F2	3.030	1.081	0.150	1.799	B	1500	100mm deep D400, 600 x 600
F3	2.700	1.152	0.150	1.398	E	1200	100mm deep D400, 600 x 600
F4	2.900	1.010	0.150	1.640	B	1200	100mm deep D400, 600 x 600
F5	3.010	0.806	0.150	2.054	B	1200	100mm deep D400, 600 x 600
F6	2.930	0.605	0.150	2.175	B	1200	100mm deep D400, 600 x 600
F7	2.900	0.519	0.150	2.231	B	2100	100mm deep D400, 600 x 600
F8	2.930	0.500	0.150	2.280	B	2100	100mm deep D400, 600 x 600
F9	2.920	1.770	0.150	1.000	E	1200	100mm deep D400, 600 x 600

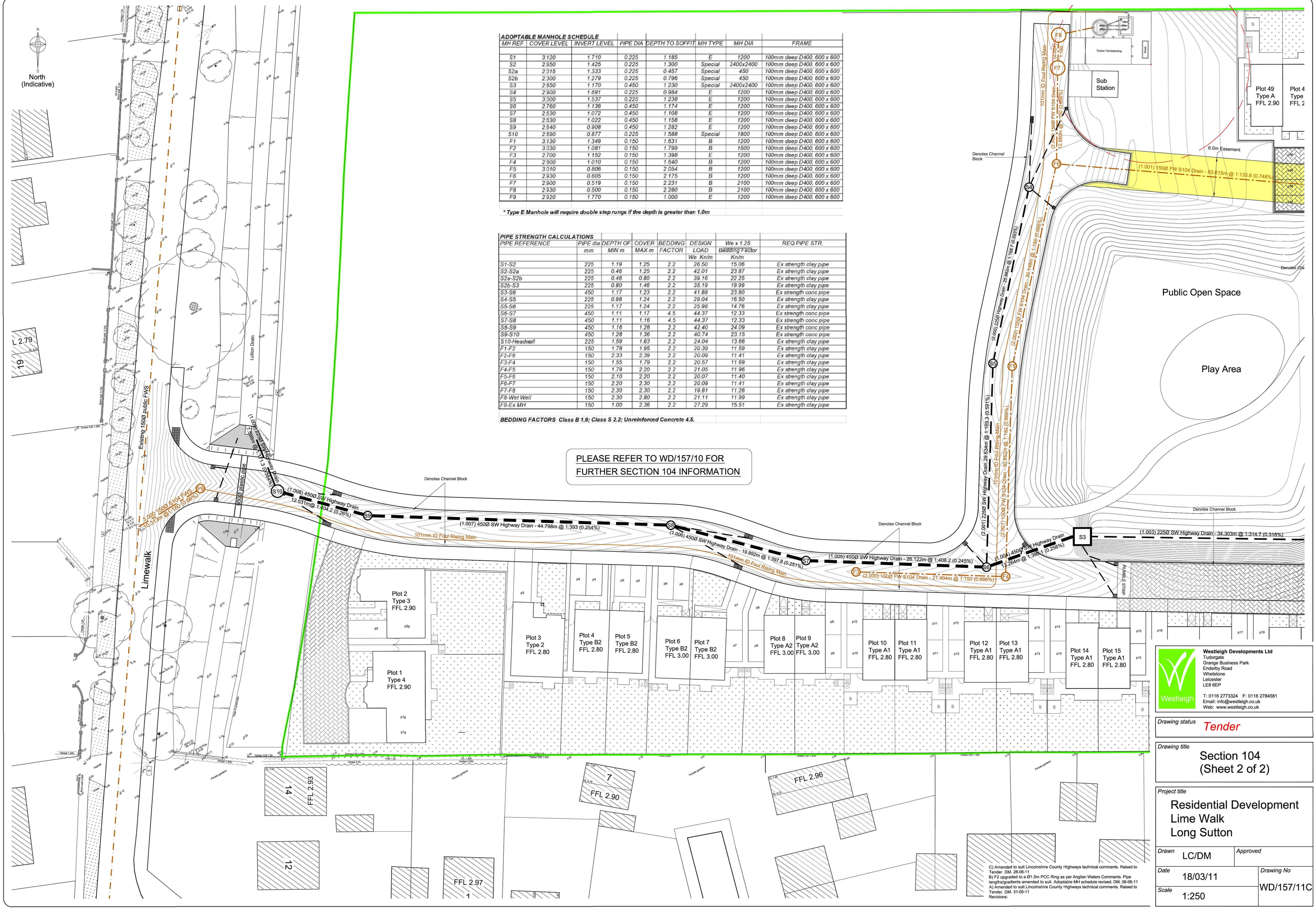
** Type E Manhole will require double step rungs if the depth is greater than 1.0m*

PIPE STRENGTH CALCULATIONS

PIPE REFERENCE	PIPE dia mm	DEPTH OF MIN m	COVER MAX m	BEDDING FACTOR	DESIGN LOAD We Kn/m	We x 1.25 Bedding Factor Kn/m	REQ PIPE STR.
S1-S2	225	1.19	1.25	2.2	26.50	15.06	Ex strength clay pipe
S2-S2a	225	0.46	1.25	2.2	42.01	23.87	Ex strength clay pipe
S2a-S2b	225	0.46	0.80	2.2	39.16	22.25	Ex strength clay pipe
S2b-S3	225	0.80	1.46	2.2	35.19	19.99	Ex strength clay pipe
S3-S6	450	1.17	1.23	2.2	41.88	23.80	Ex strength conc pipe
S4-S5	225	0.98	1.24	2.2	29.04	16.50	Ex strength clay pipe
S5-S6	225	1.17	1.24	2.2	25.98	14.76	Ex strength clay pipe
S6-S7	450	1.11	1.17	4.5	44.37	12.33	Ex strength conc pipe
S7-S8	450	1.11	1.16	4.5	44.37	12.33	Ex strength conc pipe
S8-S9	450	1.16	1.28	2.2	42.40	24.09	Ex strength conc pipe
S9-S10	450	1.28	1.36	2.2	40.74	23.15	Ex strength conc pipe
S10-Headwall	225	1.59	1.63	2.2	24.04	13.66	Ex strength clay pipe
F1-F2	150	1.78	1.95	2.2	20.39	11.59	Ex strength clay pipe
F2-F6	150	2.33	2.39	2.2	20.09	11.41	Ex strength clay pipe
F3-F4	150	1.55	1.79	2.2	20.57	11.69	Ex strength clay pipe
F4-F5	150	1.79	2.20	2.2	21.05	11.96	Ex strength clay pipe
F5-F6	150	2.10	2.20	2.2	20.07	11.40	Ex strength clay pipe
F6-F7	150	2.20	2.30	2.2	20.09	11.41	Ex strength clay pipe
F7-F8	150	2.30	2.30	2.2	19.81	11.26	Ex strength clay pipe
F8-Wet Well	150	2.30	2.80	2.2	21.11	11.99	Ex strength clay pipe
F9-Ex MH	150	1.00	2.36	2.2	27.29	15.51	Ex strength clay pipe

BEDDING FACTORS Class B 1.9; Class S 2.2; Unreinforced Concrete 4.5.

PLEASE REFER TO WD/157/10 FOR FURTHER SECTION 104 INFORMATION



C) Amended to suit Lincolnshire County Highways technical comments. Raised to Tender. DM. 28-06-11
B) F2 upgraded to a Ø1.5m PCC Ring as per Anglian Waters Comments. Pipe lengths/gradients amended to suit. Adoptable MH schedule revised. DM. 06-06-11
A) Amended to suit Lincolnshire County Highways technical comments. Raised to Tender. DM. 31-05-11
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Drawing status **Tender**

Drawing title
Section 104
(Sheet 2 of 2)

Project title
Residential Development
Lime Walk
Long Sutton

Drawn	Approved
LC/DM	
Date	**Drawing No**
18/03/11	WD/157/11C
Scale	
1:250	