



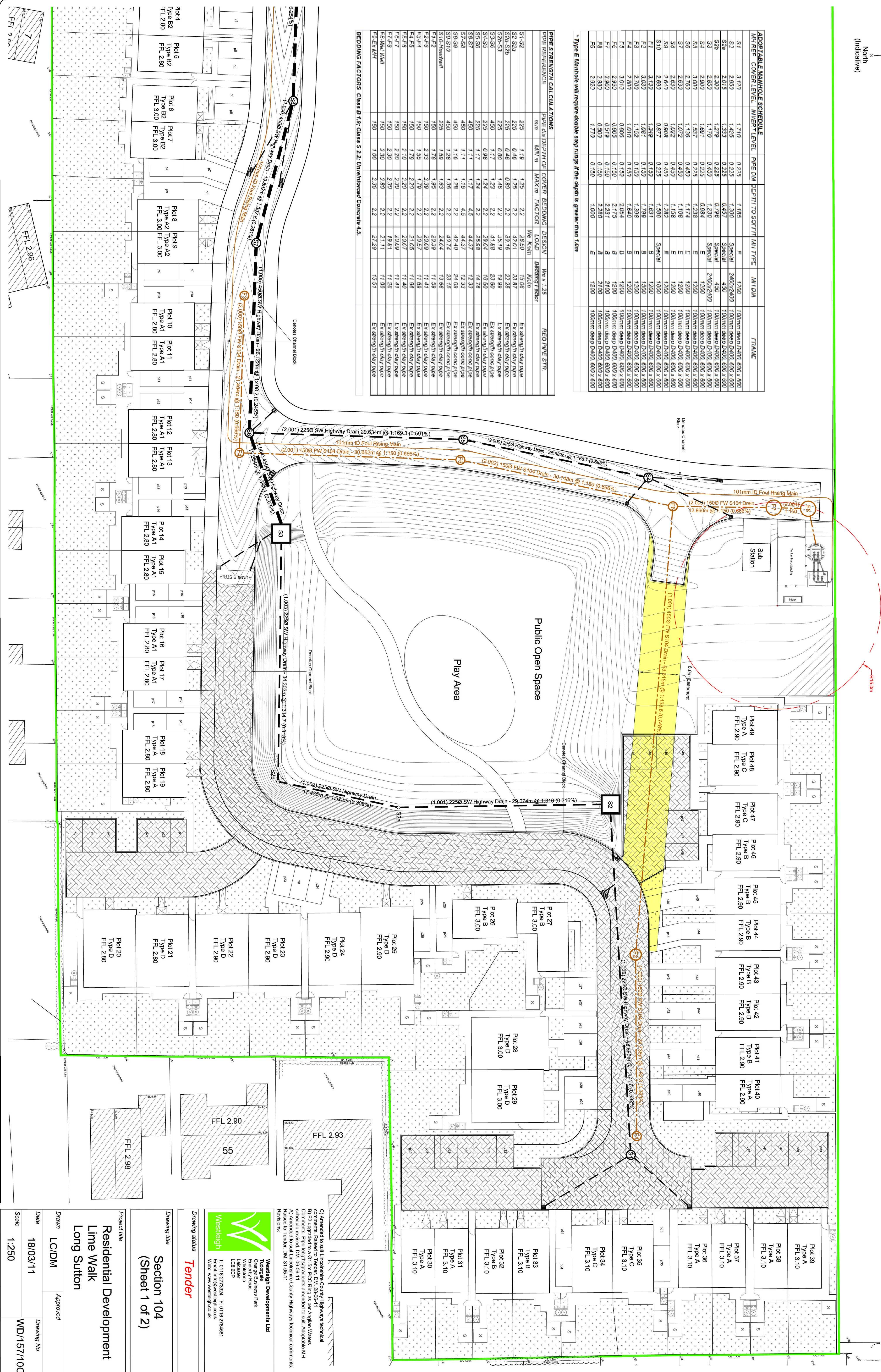
(Indicative)

ADAPTIVE MANHOLE SCHEDULE		PIPE DIA	DEPTH TO SOFTEN	MH TYPE	MH DIA	FRAME
MH REF	COVER LEVEL					
S1	3.120	1.710	0.225	1.485	E	1200
S2	3.650	1.425	0.225	1.425	Special	2400x2400
S3	3.800	1.435	0.450	0.975	Special	100mm deep D400 600 x 600
S2b	2.700	1.275	0.225	0.796	430	100mm deep D400 600 x 600
S3b	2.850	1.170	0.450	1.330	Special	2400x2400
S4	2.900	1.691	0.225	0.984	E	1200
S5	3.600	1.537	0.225	1.238	E	100mm deep D400 600 x 600
S6	2.760	1.136	0.450	1.174	E	100mm deep D400 600 x 600
S7	2.630	1.072	0.450	1.108	E	100mm deep D400 600 x 600
S8	2.650	1.022	0.450	1.058	E	1200
S9	2.640	0.908	0.450	1.282	E	100mm deep D400 600 x 600
S10	2.690	0.877	0.225	1.386	Special	1800
F1	3.200	1.150	0.150	1.938	E	100mm deep D400 600 x 600
F2	3.300	1.085	0.150	1.924	E	100mm deep D400 600 x 600
F3	2.700	1.182	0.150	1.998	E	1200
F4	2.800	1.070	0.150	1.640	B	100mm deep D400 600 x 600
F5	3.070	0.806	0.150	2.054	B	1200
F6	2.920	0.605	0.150	2.175	B	100mm deep D400 600 x 600
F7	2.800	0.519	0.150	2.231	B	2160
F8	2.930	0.500	0.150	2.280	B	2160
F9	2.920	1.170	0.150	1.000	E	1200

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

PIPE STRENGTH CALCULATIONS								REO PIPE STR.
PIPE REFERENCE	PIPE dia mm	DEPTH OF MIN m	COVER MAX m	BEDDING FACTOR	DESIGN We K/m	We x 1.25 Bedding Factor K/m		
ST-S2	225	1.19	1.25	2.2	26.50	15.06	Ex strength clay pipe	
SS2-S2a	225	0.46	1.25	2.2	42.01	23.87	Ex strength clay pipe	
SS2-S2b	225	0.46	0.80	2.2	59.16	22.25	Ex strength clay pipe	
SS2-S3	225	0.80	1.46	2.2	35.19	19.99	Ex strength clay pipe	
SS3-S6	2450	1.17	1.23	2.2	41.86	23.80	Ex strength conc pipe	
SS3-S5	225	0.98	1.24	2.2	28.06	16.76	Ex strength clay pipe	
SS3-S7	225	1.17	1.24	2.2	44.37	12.33	Ex strength clay pipe	
SS3-S7	450	1.11	1.16	4.5	44.37	12.33	Ex strength conc pipe	
SS3-S8	450	1.11	1.16	4.5	44.37	12.33	Ex strength conc pipe	
SS3-S9	450	1.16	1.28	2.2	42.40	24.09	Ex strength conc pipe	
SS3-S10	450	1.28	1.26	2.2	40.74	23.15	Ex strength conc pipe	
ST10-Hardwall	225	1.59	1.63	2.2	24.04	13.66	Ex strength clay pipe	
FI-F2	150	1.78	1.95	2.2	20.39	11.41	Ex strength clay pipe	
FI-F4	150	2.33	2.39	2.2	20.57	11.41	Ex strength clay pipe	
FI-F6	150	1.55	1.79	2.2	20.57	11.41	Ex strength clay pipe	
FI-F5	150	1.79	2.20	2.2	21.05	11.41	Ex strength clay pipe	
FI-F6	150	2.70	2.20	2.2	20.07	11.40	Ex strength clay pipe	
FI-F7	150	2.20	2.30	2.2	20.09	11.41	Ex strength clay pipe	
FI-F8	150	2.30	2.30	2.2	19.81	11.26	Ex strength clay pipe	
FI-Hardwall	150	2.00	2.80	2.2	21.11	11.99	Ex strength clay pipe	
FI-Ex MH	150	1.30	2.36	2.2	27.29	15.57	Ex strength clay pipe	

REDDING FACTORS Class B 1.9, Class S 2.2, Unreinforced Concrete 4.5.



PLEASE REFER TO WD/157/11 FOR
FURTHER SECTION 104 INFORMATION

Drawing title

Section 104
(Sheet 1 of 2)

Residential Development
Lime Walk
Long Sutton

<i>Drawn</i>	LC/DM	<i>Approved</i>
<i>Date</i>	18/03/11	<i>Drawing No</i>
<i>Scale</i>	1:250	WD/157/100