

MANHOLE SCHEDULE										MANHOLE SCHEDULE										MANHOLE SCHEDULE										MANHOLE SCHEDULE										
Surface Water West Network										Surface Water West Network										Foul Water West Network										Foul Water West Network										
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Manhole Number	Cover Level	Depth To Soffit	Connections	Pipe			Manhole Size	Types		Manhole Number	Cover Level	Depth To Soffit	Connections	Pipe			Manhole Size	Types		Manhole Number	Cover Level	Depth To Soffit	Connections	Pipe			Manhole Size	Types		Manhole Number	Cover Level	Depth To Soffit	Connections	Pipe			Manhole Size	Types		
				Code	Inverts	Diams		Manhole	Cover					Code	Inverts	Diams		Manhole	Cover					Code	Inverts	Diams		Manhole	Cover					Code	Inverts	Diams		Manhole	Cover	
S1	17.032	1.334		0	1.000	15.473	225	1200	4	See note 6	E. 507453.240	N. 104484.843	0	1.000	15.473	225	1200	4	See note 6	E. 507282.875	N. 104456.445	15.287	1.087	0	0	11.000	14.050	150	600	4	See note 6	E. 507318.030	N. 104506.084	0	1.000	13.630	100	450	4	See note 6
S2	16.667	1.251		1	1.000	15.191	225	1200	4	See note 6	E. 507417.319	N. 104477.750	0	1.001	15.191	225	1200	4	See note 6	E. 507284.929	N. 104459.179	15.308	1.404		0	1.001	13.480	100	450	4	See note 6	E. 507322.758	N. 104495.538	0	1.001	13.480	100	450	4	See note 6
S3	16.456	1.200		1	1.001	15.031	225	1200	4	See note 6	E. 507399.830	N. 104490.204	0	1.001	15.031	225	1200	4	See note 6	E. 507274.156	N. 104475.338	15.107	1.317		0	1.001	13.480	100	450	4	See note 6	E. 507327.266	N. 104509.423	0	2.000	13.630	100	450	4	See note 6
S4	15.974	1.274		0	2.000	14.550	150	600	4	See note 6	E. 507339.123	N. 104491.209	0	2.000	14.550	150	1200	4	See note 6	E. 507271.953	N. 104468.929	14.985	1.242		0	1.010	13.368	375	1200	4	See note 6	E. 507331.255	N. 104497.340	0	2.001	13.470	100	450	4	See note 6
S5	15.864	1.203		1	1.002	14.438	225	1200	4	See note 6	E. 507340.391	N. 104487.342	0	1.003	14.438	225	1200	4	See note 6	E. 507269.987	N. 104470.486	14.892	1.209		0	1.011	13.308	375	1350	4	See note 6	E. 507327.926	N. 104495.325	0	1.002	13.370	150	1200	3	See note 6
S6	15.727	1.336		0	3.000	14.166	225	1200	4	See note 6	E. 507331.789	N. 104489.462	0	3.000	14.166	225	1200	4	See note 6	E. 507260.975	N. 104464.438	14.912	1.157		0	13.000	13.605	150	600	4	See note 6	E. 507340.839	N. 104479.342	0	3.000	14.100	150	600	4	See note 6
S7	15.773	0.823		0	4.000	14.800	150	600	4	See note 6	E. 507329.084	N. 104481.541	0	4.000	14.800	150	1200	4	See note 6	E. 507258.340	N. 104468.254	14.859	1.201		0	1.012	13.283	375	1350	4	See note 6	E. 507330.952	N. 104476.794	0	4.000	14.100	150	600	4	See note 6
S8	15.818	1.485		2	1.001	14.108	225	1200	4	See note 6	E. 507336.121	N. 104481.871	0	1.004	14.108	225	1200	4	See note 6	E. 507249.323	N. 104462.026	14.920	1.296		0	1.013	13.249	375	1350	4	See note 6	E. 507334.855	N. 104478.977	0	1.003	13.169	150	1200	3	See note 6
S9	15.852	1.152		0	5.000	14.550	150	600	4	See note 6	E. 507340.862	N. 104486.670	0	5.000	14.550	150	1200	4	See note 6	E. 507235.992	N. 104466.629	15.283	1.598		0	14.000	13.545	150	600	4	See note 6	E. 507335.435	N. 104466.590	0	1.004	13.075	150	1200	3	See note 6
S10	15.819	1.586		1	1.004	14.008	225	1200	4	See note 6	E. 507336.888	N. 104465.548	0	1.005	13.933	300	1200	4	See note 6	E. 507232.996	N. 104463.994	15.189	1.534		0	14.001	13.505	150	1200	4	See note 6	E. 507345.955	N. 104456.913	0	5.000	14.300	150	600	4	See note 6
S11	15.922	1.222		0	6.000	14.550	150	600	4	See note 6	E. 507343.353	N. 104458.983	0	6.000	14.550	150	600	4	See note 6	E. 507246.274	N. 104453.729	15.142	1.272		0	15.000	13.730	150	600	4	See note 6	E. 507331.884	N. 104456.303	0	6.000	14.000	150	600	4	See note 6
S12	15.965	1.415		0	7.000	14.400	150	600	4	See note 6	E. 507330.921	N. 104466.806	0	7.000	14.400	150	1200	4	See note 6	E. 507239.530	N. 104453.046	15.063	1.481		0	1.014	13.207	225	1350	4	See note 6	E. 507330.871	N. 104460.881	0	1.005	13.027	150	1200	3	See note 6
S13	15.864	1.660		2	4.000	14.050	150	1200	4	See note 6	E. 507334.188	N. 104461.394	0	1.006	13.904	300	1200	4	See note 6	E. 507236.200	N. 104447.736	15.214	1.800		0	1.014	13.186	225	1350	4	See note 6	E. 507309.779	N. 104452.699	0	7.000	13.800	150	450	4	See note 6
S14	15.931	1.231		0	8.000	14.550	150	600	4	See note 6	E. 507330.135	N. 104455.588	0	8.000	14.550	150	1200	2	See note 6	E. 507296.366	N. 104458.391	15.541	2.595		0	1.006	12.796	150	1200	3	See note 6	E. 507296.366	N. 104458.391	0	1.006	12.796	150	1200	3	See note 6
S15	15.906	1.731		2	4.000	14.050	150	1200	2	See note 6	E. 507329.947	N. 104458.834	0	1.007	13.875	300	1200	2	See note 6	E. 507285.526	N. 104454.234	15.385	1.485		0	8.000	13.750	150	600	4	See note 6	E. 507291.518	N. 104462.487	0	9.000	13.600	150	600	4	See note 6
S16	15.645	1.445		0	9.000	14.050	150	600	4	See note 6	E. 507293.649	N. 104462.611	0	9.000	14.050	150	600	4	See note 6	E. 507285.526	N. 104454.234	15.385	1.485		0	8.000	13.750	150	600	4	See note 6	E. 507291.518	N. 104462.487	0	9.000	13.600	150	600	4	See note 6
S17	15.509	1.409		0	10.000	13.950	150	600	4	See note 6	E. 507291.370	N. 104452.362	0	10.000	13.950	150	600	4	See note 6	E. 507285.526	N. 104454.234	15.385	1.485		0	8.000	13.750	150	600	4	See note 6	E. 507291.518	N. 104462.487	0	9.000	13.600	150	600	4	See note 6
S18	15.434	1.467		1	1.008	13.592	375	1200	4	See note 6	E. 507289.126	N. 104456.585	0	1.008	13.592	375	1200	4	See note 6	E. 507285.526	N. 104454.234	15.385	1.485		0	8.000	13.750	150	600	4	See note 6	E. 507291.518	N. 104462.487	0	9.000	13.600	150	600	4	See note 6

1

Do not scale.

2

Refer to all other Project Drawings.

3

All sewers to comply with the requirements of the water authorities publication "Sewer Sector Guidance (SSG)" together with Southern Waters Technical Advisories.

4

All public sewers are to be the subject of a Section 104 agreement of the Water Industry Act 1991.

5

Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to engineers.

6

All manhole ironworks to comply with BS EN124, and be stamped with BS1 Kitemark. Covers to suit loading as below:
-Carriageways and Roads - D400
-Driveways and Verges - C250
-Footways and Pedestrian Areas - B125
-Gardens/Landscaping - A15

7

All sewer pipes, up to, and including 225mm are to be vitrified clay to BS EN255. All sewer pipes 300mm diameter and above to concrete pipes to BS EN1916.

8

All drainage shall be installed and tested strictly in accordance with the Manufacturers' printed instructions, BS EN 752, BS EN 1601, Local Water Authority requirements and the Building Regulations.

9

All bedding shall be Class S unless noted otherwise.

10

All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted Type 1 granular sub-base material.

11

Drainage laid beneath roads and areas of vehicular access (car parking etc) with less than 1200mm of cover shall be encased in concrete bed and surround with associated movement joints. Drainage laid beneath paths, footways and pedestrian areas with less than 900mm of cover shall be similarly treated.

12

Chambers with outgoing pipes greater than 600mm diameter shall be fitted with guard bars, safety chains or other approved safety devices.

13

The use of precast concrete products made with sulphate resisting cement is mandatory, unless a laboratory report proves such precautions are not necessary.

14

All gully connections to use a minimum diameter pipe of 150mm and to be surrounded by its full length (which should not exceed 15m) and its connection to the carrier system.

MANHOLE TYPE:

1.

All manholes 1200mm diameter or greater to be:

1.1.

Type 1 where depth from cover level to soffit of pipe is between 3m and 6m

1.2.

Type 2 where depth from cover level to soffit of pipe is up to 3m

2.

All manholes 600mm diameter or less to be:

2.1.

Type 3 where depth from cover level to soffit of pipe is up to 3m

2.2.

Type 4 where depth from cover level to soffit of pipe is up to 2m, serves less than 3 properties and is situated in private driveways or garden areas.

D

04.21

Manhole details updated following pipe size increases

SM

SL

C

03.21

Information updated following drainage changes

DS

SM

B

01.21

Information updated following drainage changes

DS

SM

A

12.20

First issue

DS

SM

Rev

Date

Description

Drawn

Checked

AL

ABLEY LETCHFORD

P

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