DO NOT SCALE THIS DRAWING

CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER

MANHOLE SCHEDULE
Sheet 7 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
F550 E. 287724.684 N. 58123.147	68.625 1.505	2 1 0	1	67.020	100			
			2	67.020	100	225 x 100	4	B125
			0 47.000	67.020	100			225 x 100
F564 E. 287697.556 N. 58141.897	68.297 1.547	2 1 0	1	66.650	100			
			2	66.650	100	450	3	NA
			0 48.000	66.600	150			
F590 E. 287718.999 N. 58111.052	66.608 0.908	3 2 1 0	1	65.600	100			
			2	65.600	100	225 x 100	4	A15
			3	65.600	100			
			0 49.000	65.600	100			225 x 100
F601 E. 287720.395 N. 58132.313	67.625 0.605	3 2 1 0	1	66.920	100			
			2	66.920	100			
			3	66.920	100	450	3	B125
			0 50.000	66.920	100			
F610 E. 287660.619 N. 58202.134	73.326 2.396	0	1					
			2			450	3	D400
			0 52.000	70.830	100			
F611 E. 287666.027 N. 58206.754	71.956 1.756	2 1 0	1	53.000	70.100	100		
			2	52.000	70.100	100	1200	2	D400
			0 52.001	70.100	100			
F614 E. 287725.171 N. 58203.148	67.987 2.557	3 2 1 0	1	54.000	65.330	100		
			2	52.001	65.542	100		
			3	55.000	65.330	100	1200	2	D400
			0 52.002	65.280	150			
F622 E. 287663.106 N. 58215.157	72.374 0.504	2 1 0	1					
			2	71.770	100			
			0 53.000	71.770	100	450	3	B125
F651 E. 287715.426 N. 58211.959	69.050 0.600	1 0	1					
			2	68.350	100	450	3	A15
			0 54.000	68.350	100			
F661 E. 287724.684 N. 58194.852	68.401 2.151	1 0	1					
			2	66.150	100	450	3	A15
			0 55.000	66.150	100			
F671 E. 287748.702 N. 58148.564	66.500 1.410	1 0	1					
			2	64.990	100	450	3	D400
			0 51.000	64.990	100			
PHASE 1 S38 S1 E. 287928.891 N. 57984.206	75.968 1.518	1 0	1					
			2	74.300	150	1200	2	D400
			0 1.000	74.225	225			600 x 600
PHASE 1 S38 S2 E. 287966.618 N. 58017.599	75.007 1.202	1 0	1	1.000	73.580	225		
			2			1200	2	D400
			0 1.001	73.580	225			600 x 600
EXISTING (B) (C) SW02 E. 287919.011 N. 58133.561	68.656 2.086	1 0	1	1.005	66.195	375		
			2			1500	2 BY OTHERS	D400
			0 1.006	66.120	450			
PHASE 1 S38 (D) S3 E. 287972.916 N. 58033.974	74.607 1.202	1 0	1	1.001	73.180	225		
			2			1200	2	D400
			0 1.002	73.180	225			600 x 600
EXISTING SW03 E. 287874.029 N. 58097.126	69.460 3.040	1 0	1	1.006	65.970	450		
			2			1500	1 BY OTHERS	D400
			0 1.007	65.970	450			
PHASE 1 S38 S4 E. 287966.672 N. 58063.988	72.443 1.218	1 0	1	1.002	71.000	225		
			2			1200	2	D400
			0 1.003	71.000	225			600 x 600

MANHOLE SCHEDULE
Sheet 8 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
PHASE 1 S38 (D) S5 E. 287957.930 N. 58083.974	71.245 1.400	2 1 0	1 2.000	69.620	225			
			2 1.003	69.620	225	1200	2	D400
			0 1.004	69.545	300			600 x 600
PHASE 1 S38 (C) S6 E. 287938.576 N. 58111.815	69.676 1.201	1 0	1 1.004	68.175	300			
			0 1.005	68.100	375	1200	2	D400
								600 x 600
PHASE 1 S38 (C) S6A E. 287926.439 N. 58124.988	68.875 2.796	1 0	1 1.005	66.454	375			
			0 -	66.454	375	1200	2	D400
								600 x 600
EXISTING SMH07 E. 287729.501 N. 58118.086	66.837 2.517	1 0	1 19.005	64.020	300			
			0 19.006	63.720	675	1200	EXISTING	D400
EXISTING (A) (B) SMH09 E. 287721.538 N. 58073.263	66.619 1.629	2 1 0	1 18.007	64.965	225			
			2 5.010	64.695	450	1200	EXISTING	D400
			0 5.011	64.540	450			
EXISTING SMH10 E. 287750.945 N. 58105.023	67.254 3.429	2 1 0	1 19.006	63.225	675			
			2 5.011	63.375	450	1350	EXISTING	D400
			0 5.012	63.150	675			
EXISTING SMH14 E. 287869.264 N. 58090.460	68.602 2.202	1 0	1 1.007	65.950	450			
			0 1.008	65.800	600	1500	EXISTING	D400
EXISTING (B) SMH17 E. 287843.286 N. 58077.273	68.429 2.179	2 1 0	1 3.002	66.127	225			
			2 1.008	65.650	600	1500	EXISTING	D400
			0 1.009	65.650	600			
EXISTING SMH18 E. 287791.433 N. 58085.795	67.391 1.441	1 0	1 1.010	65.350	600			
			0 1.011	65.350	600	1500	EXISTING	D400
EXISTING SMH19 E. 287778.960 N. 58101.631	66.981 2.291	1 0	1 1.011	64.090	600			
			0 1.012	64.090	600	1500	EXISTING	D400
EXISTING SMH20 E. 287771.247 N. 58110.319	66.817 3.667	2 1 0	1 5.012	62.550	675			
			2 1.012	62.550	600	3000	EXISTING	D400
			0 1.013	62.550	900			
EXISTING SMH21 E. 287791.326 N. 58209.123	65.500 2.600	1 0	1 1.014	62.000	900			
			0 1.015	62.000	900	1800	EXISTING	D400
EXISTING SMH31 E. 287799.139 N. 58247.732	65.068 2.374	2 1 0	1 25.004	62.469	225			
			2 1.015	61.794	900	1800	EXISTING	D400
			0 1.016	61.794	900			
EXISTING SMH32 E. 287778.255 N. 58349.123	66.003 4.496	1 0	1 1.016	61.207	900			
			0 1.017	61.207	300	1800	EXISTING	D400
EXISTING SMH33 E. 287774.521 N. 58362.638	65.795 4.428	1	1 1.017	61.067	300			
						1200	EXISTING	D400
PHASE 1 S38 S50 E. 287900.071 N. 57985.396	75.192 1.327	2 1 0	1 2		73.715 73.715	150 150		
			0 3.000		73.640	225	1200	2 D400
								600 x 600
PHASE 1 S38 (C) S51 E. 287875.104 N. 58017.151	71.930 1.325	2 1 0	1 2	3.000 4.000	70.380 70.380	225 225		
			0 3.001		70.380	225	1200	2 D400
								600 x 600

MANHOLE SCHEDULE
Sheet 9 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
PHASE 1 S38 (C) S52 E. 287852.738 N. 58045.877	69.757 1.322	1 0	1 3.001	68.214	225			
			0 3.002	68.210	225	1200	2	D400
								600 x 600
S110 E. 287588.307 N. 57979.428	71.952 1.202	1 0	1		70.600	150		
			0 5.000	70.525	225	1200	2	D400
S111 E. 287584.547 N. 57964.609	71.668 1.208	1 2 0	1 5.000	70.235	225			
			2	70.310	150			
			0 5.001	70.235	225	1200	2	D400
S112 E. 287594.400 N. 57952.608	70.932 1.202	1 2 0	1 2 5.001		69.505 69.580	225 150		
			0 5.002	69.505	225	1200	2	D400
S113 E. 287602.514 N. 57946.747	70.453 1.203	1 0	1 5.002	69.025	225			
			0 5.003	69.025	225	1200	2	D400
S114 E. 287628.525 N. 57937.515	69.330 1.200	1 0	1 5.003	67.905	225			
			0 5.004	67.905	225	1200	2	D400
S115 E. 287637.233 N. 57929.287	68.989 1.209	1 0	1 5.004	67.555	225			
			0 5.005	67.555	225	1200	2	D400
S116 E. 287638.343 N. 57921.633	68.690 1.200	1 0	1 5.005	67.265	225			
			0 5.006	67.265	225	1200	2	D400
S117 E. 287654.180 N. 57915.930	69.320 2.110	2 1 0	1 5.006	66.985	225			
			0 5.007	66.985	225	1200	2	D400
S118 E. 287679.187 N. 57975.555	68.300 1.855	2 1 0	1 2 5.007	6.002	66.220 66.220	225 225		
			0 5.008		66.145	300	1200	2 D400
PHASE 1 S38 (A) S119 E. 287704.814 N. 58040.909	66.826 1.291	2 3 1 0	1 2 3	7.006 5.008 17.005	65.235 65.235 65.235	300 300 300		
			0 5.009		65.085	450	1200	2 D400
								600 x 600
PHASE 1 S38 (C) S120 E. 287719.661 N. 58069.996	66.519 1.074	1 0	1 5.009		64.995	450		
			0 5.010		64.995	450	1350	2 D400
								600 x 600
S130 E. 287587.882 N. 58018.153	73.337 1.202	2 1 0	1 2		71.985 71.985	150 150		
			0 6.000		71.910	225	1200	2 D400
S131 E. 287595.925 N. 58005.216	72.353 1.208	1 0	1 6.000		70.920	225		
			0 6.001		70.920	225	1200	2 D400
S132 E. 287631.837 N. 57992.423	69.736 1.201	1 0	1 6.001		68.310	225		
			0 6.002		68.310	225	1200	2 D400
S142 E. 287621.633 N. 58104.224	72.300 1.200	1 0	1		70.950	150		
			0 7.000		70.875	225	1200	2 D400

MANHOLE SCHEDULE
Sheet 10 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
S143 E. 287623.193 N. 58081.288	71.768 1.203	2 1 0	1 8.000	70.465	100			
			2 7.000	70.340	225	1200	2	D400
			0 7.001	70.340	225			
S144 E. 287631.334 N. 58070.305	70.971 1.206	3 2 1 0	1 10.000	69.665	100			
			2 7.001	69.540	225			
			3 9.000	69.540	225	1200	2	D400
			0 7.002	69.540	225			
S145 E. 287664.928 N. 58056.880	68.392 1.202	6 3 2 1 4 5 0	1 12.000	67.040	150			
			2 7.002	66.965	225			
			3 11.000	67.090	150			
			4 13.000	67.040	150			
			5		150			
			6		150	1200	2	D400
			0 7.003	66.890	300			
S146 E. 287670.652 N. 58054.576	68.134 1.204	2 1 0	1 14.000	66.780	150			
			2 7.003	66.630	300	1200	2	D400
			0 7.004	66.630	300			
S147 E. 287689.118 N. 58047.189	67.541 1.206	2 1 0	1 15.000	66.185	150			
			2 7.004	66.040	300	1200	2	D400
			0 7.005	66.035	300			
S148 E. 287694.671 N. 58044.967	67.292 1.302	2 1 0	1 7.005	65.690	300			
			2 16.000	65.939	150	1200	2	D400
			0 7.006	65.690	300			
S150 E. 287626.689 N. 58092.938	71.850 0.750	0	1					
			0 8.000	71.000	100	450	3	D400
S160 E. 287576.142 N. 58033.990	74.500 1.200	2 1 0	1		73.150	150		
			2		73.150	150	1200	3	D400
			0 9.000	73.075	225			
S170 E. 287630.847 N. 58077.507	71.100 0.900	0	1					
			0 10.000	70.100	100	450	3	A15
S180 E. 287654.968 N. 58053.892	68.865 0.665	0	1					
			0 11.000	68.100	100	450	3	A15
S190 E. 287666.663 N. 58062.431	68.400 0.900	0	1					
			0 12.000	67.350	150	450	3	B125
S200 E. 287650.010 N. 58020.169	69.179 1.279	1 2 0	1		67.750	150		
			2		67.750	150	450	3	B125
			0 13.000	67.750	150			
S210 E. 287672.555 N. 58059.412	68.200 0.900	0	1					
			0 14.000	67.150	150	450	3	B125
S220 E. 287691.021 N. 58052.025	67.600 1.100	0	1					
			0 15.000	66.350	150	450	3	B125
S230 E. 287692.506 N. 58039.554	67.400 0.600	0	1					
			0 16.000	66.650	150	450	3	A15
PHASE 1 S38 S240 E. 287890.697 N. 57954.684	75.536 1.201	1 0	1		74.185	150		
			0 17.000	74.110	225	1200	2	D400
								600 x 600
PHASE 1 S38 S241 E. 287871.965 N. 57944.209	75.073 1.208	1 0	1 17.000	73.640	225			
			0 17.001	73.640	225	1200	2	D400
								600 x 600

MANHOLE SCHEDULE
Sheet 11 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
PHASE 1 S38 S242 E. 287852.089 N. 57942.416	74.185 1.200	1 2 0	1 17.001	72.760	225			
			2	72.760	225	1200	2	D400
			0 17.002	72.760	225			600 x 600
PHASE 1 S38 S243 E. 287829.462 N. 57947.332	73.216 1.201	1 0	1 17.002	71.790	225			
			0 17.003	71.790	225	1200	2	D400
								600 x 600
PHASE 1 S38 S244 E. 287786.541 N. 57980.426	70.278 1.203	2 1 3 0	1 17.003		68.850	225		
			2		68.975	100		
			3		68.925	150	1200	2 D400
			0 17.004		68.850	225		600 x 600
PHASE 1 S38 S245 E. 287763.533 N. 58008.880	68.640 1.205	2 1 3 0	1 17.004	67.210	225			
			2	67.335	100			
			3	67.210	150	1200	2	D400
			0 17.005	67.135	300			600 x 600
S260 E. 287642.023 N. 58086.075	70.382 1.282	0	1					
			0 18.000	68.950	150	450	3	B125
S261 E. 287651.649 N. 58086.131	69.665 1.285	1 0	1 18.000	68.230	150			
			0 18.001	68.230	150	450	3	B125
S262 E. 287656.879 N. 58089.217	69.440 1.205	2 1 0	1 18.001		68.085	150		
			2		68.085	150	450	3 D400
			0 18.002		68.085	150		
S263 E. 287656.624 N. 58101.307	69.654 1.509	2 1 0	1 18.002		67.995	150		
			2		67.995	150	1200	2 D400
			0 18.003		67.920	225		
S264 E. 287686.594 N. 58102.109	67.999 1.204	1 0	1 18.003		66.570	225		
			0 18.004		66.570	225	1200	2 B125
S265 E. 287696.892 N. 58097.938	67.446 1.201	1 0	1 18.004		66.020	225		
			0 18.005		66.020	225	1200	2 D400
S266 E. 287695.920 N. 58080.594	67.326 1.201	1 0	1 18.005		65.900	225		
			0 18.006		65.900	225	1200	2 D400
S267 E. 287712.595 N. 58073.216	66.790 1.205	1 0	1 18.006		65.360	225		
			0 18.007		65.360	225	1200	2 D400
S270 E. 287532.636 N. 58128.610	80.205 1.320	3 2 1 4 0	1		78.735	150		
			2		78.735	150		
			3		78.735	150		
			4		78.735	150	1200	2 D400
			0 19.000		78.660	225		
S271 E. 287571.192 N. 58129.614	77.318 1.323	3 1 2 0	1 2 3	19.000	75.770 75.845 75.845	225 150 150		
			0 19.001		75.770	225	1200	2 D400
S272 E. 287621.715 N. 58130.897	72.880 1.315	2 1 0	1 2	20.000 19.001	71.340 71.340	225 225		
			0 19.002		71.340	225	1200	2 D400
S273 E. 287671.288 N. 58131.902	69.441 1.331	1 2 0	1 2	19.002 21.001	67.885 67.960	225 150		
			0 19.003		67.810	300	1200	2 D400
S274 E. 287684.205 N. 58130.912	68.802 1.342	1 2 0	1 2	19.003 22.000	67.160 67.360	300 100		
			0 19.004		67.160	300	1200	2 D400

MANHOLE SCHEDULE
Sheet 12 of 12

Manhole Number / Coordinates	Cover Level / Depth To Soffit	Connections	Pipe: Code	Pipe: Inverts	Pipe: Diams Inv-soff	Minimum internal dims	Types: Manhole	Types: Cover
S275 E. 287699.265 N. 58126.200	67.986 1.336	3 2 1 0	1 24.000	66.550	100			
			2 19.004	66.350	300			
			3 23.000	66.550	100	1200	2	D400
			0 19.005	66.350	300			
S280 E. 287620.930 N. 58172.920	74.004 1.209	1 0	1		72.645	150		
			0 20.000	72.570	225	450	3	D400
S290 E. 287634.157 N. 58125.886	72.200 0.560	0	1					
			0 21.000	71.490	150	450	3	B125
S291 E. 287670.946 N. 58126.624	69.223 0.823	1 0	1 21.000		68.250	150		
			0 21.001		68.250	150	450	3 B125
S300 E. 287683.240 N. 58127.071	68.738 0.938	0	1					
			0 22.000	67.700	100	450	3	B125
S310 E. 287698.138 N. 58121.771	67.821 0.701	1 0	1					
			0 23.000	67.020	100	450	3	B125
S322 E. 287698.953 N. 58140.190	68.206 1.201	3 2 1 0	1		66.905	100		
			2		66.905	100		
			3		66.905	100	1200	2 D400
			0 24.000		66.905	100		
S330 E. 287638.916 N. 58202.627	73.881 1.206	1 0	1		72.525	150		
			0 25.000	72.450	225	1200	2	D400
S331 E. 287657.754 N. 58206.217	72.493 1.208	1 0	1 25.000	71.060	225			
			0 25.001	71.060	225	1200	2	D400
S332 E. 287731.650 N. 58201.613	67.520 2.115	2 1 0	1 26.000		65.180	225		
			2 25.001		65.180	225		
			0 25.002	65.180	225	1200	2	D400
S333 E. 287763.457 N. 58197.523	65.780 1.225	1 0	1 25.002	64.330	225			
			0 25.003	64.330	225	1200	2	D400
S334 E. 287770.548 N. 58211.599	65.550 1.205	1 0	1 25.003	64.120	225			
			0 25.004	64.120	225	1200	2	D400
S340 E. 287729.850 N. 58212.933	67.620 2.135	2 1 0	1 2		65.335 65.335	150 150		
			0 26.000		65.260	225	1200	2 D400
EXISTING SMH17A E. 287828.000 N. 58074.800	68.145 1.945	1 0	1 1.009		65.600	600		
			0 1.010		65.600	600	1500	EXISTING D400
EXISTING STANK E. 287790.658 N. 58205.872	65.500 2.590	1 0	1 1.013		62.010	900		
			0 1.014		62.010	900	150	EXISTING D400

CONSTRUCTION NOTES.

1. All highway drains to be constructed in accordance with the current Torbay Council Design Guide and Specification.
2. All highway works are to be the subject of a Section 38 Agreement of the Highways Act 1980.
3. All public sewers to comply with the requirements of the Water Authorities publication "Sewers for Adoption, 7th Edition" together with any additional specific requirements of South West Water.
4. All public sewers are to be the subject of a Section 104 Agreement of the Water Industry Act 1991.
5. Positions of all existing sewers to be established before construction commences and details reported to ENGINEERS.
6. Invert levels of existing manholes and sewers are to be checked on site before construction commences and results reported to ENGINEERS.
7. All manhole covers to comply with BS497 Part 1, and be kitemarked. All bedding shall Class S unless noted otherwise. All trenches under existing and proposed public highways are to be backfilled with thoroughly compacted DOT Type 1 sub-base material. Concrete bed and surround is required to pipes laid in roads where depth of cover is less than 1.2m.
The use of precast concrete products made with sulphate resisting cement is mandatory, Unless a laboratory report proves such precautions are not necessary.
Subject to Drainage Authority Approval all sewer pipes, up to, and including 300mm are to be PVCu strength class SN8. All sewer pipes 375mm diameter and above, to be Concrete Class CN120 to BS 5911:2002.
Refer also to Public Sewer Construction Details and Drainage Layout drawings.

NOTE:

1. PLOT AND GULLY CONNECTIONS NOT SHOWN.

2. MANHOLES FOR ALL PHASES AND EXISTING SHOWN. SEE LAYOUT DRAWINGS 110–112 FOR MANHOLES RELEVANT TO PHASE 1.

3. (A) – DENOTES LATERAL FOR PHASE 2 DEVELOPMENT TO BE CONSTRUCTED AS PART OF PHASE 1 WORKS.

4. (B) – DENOTES EXISTING MANHOLE DETAILS (INCLUDING SPURS AND LATERALS) TO BE VERIFIED PRIOR TO COMMENCEMENT OF PHASE 1 WORKS.

5. (C) – DENOTES DEBRIS SCREENS TO BE FITTED TO MANHOLE S120, S52 & S6A SUBJECT TO LOCAL HIGHWAY AUTHORITY REQUIREMENTS.

6. (D) – DENOTES LATERAL FOR FUTURE DEVELOPMENT EAST OF PHASE 1 TO BE CONSTRUCTED AS PART OF PHASE 1 WORKS.

7. THE DETAILS OF ALL EXISTING MANHOLES, SPURS AND LATERALS TO BE VERIFIED PRIOR TO COMMENCEMENT OF WORKS.

8. RA DENOTES ACCESS OPENING TO BE RESTRICTED TO 350mm DIAMETER OR 300mm x 300mm ON TYPE 3 MANHOLES WHERE DEPTH OF CHAMBER TO INVERT IS > 1m.

SHADING DENOTES MANHOLES APPLICABLE TO PHASE 1 WORKS

NOTE: SPURS AND LATERALS TO BE PROVIDED FOR FUTURE PHASING AS REQUIRED

Rev	Detail	By	Chk	Date
H	S38 manholes highlighted in grey.	MLS		30.09.14
G	Manhole S6A added to schedule.	MLS		08.09.14
F	Manholes S30 and S70 removed to suit Councils adoption requirements	NC		30.06.14
E	Schedules updated to suit comments from South West Water	JM		04.06.14
D	Issued for approval	NC		23.04.14
C	Branch connections added.	MRD	MR	10.03.14
B	Private inspection chambers removed. Sheet title changed to 'Sheet 2 of 2'.	MRD		04.03.14
A	Schedules updated to suit moved sewers and raised road levels.	MRD	JP	28.01.14

Revisions

Client: LINDEN HOMES

Project: EASTERN BOWL RESIDENTIAL DEVELOPMENT WHITE ROCK TORBAY

Drawing Status: FOR APPROVAL

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Drawing Title: MANHOLE SCHEDULE SHEET 2 OF 2

Project No.	Discipline	Drawing No.
WB03050	C	171

Scale	Date	Revision
N.T.S.	JAN 2014	H

Drawn	Checked	Sheet Size
MRD	JP	A1

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