

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S1	33.144					1200	B1/E	D400
E. 446719.792	1.200							
N. 403938.030								
S2	32.209					1200	B1/E	D400
E. 446717.851	1.200							
N. 403912.130								
S3	31.919					1500	A	D400
E. 446712.427	3.303							
N. 403898.419								
S4	28.226					1200	B1/E	D400
E. 446670.896	1.301							
N. 403847.843								
S5	25.951					1500	B1/E	D400
E. 446660.612	1.301							
N. 403821.095								
S6	24.382					1200	B1/E	D400
E. 446659.719	1.362							
N. 403797.007								
S7	23.284					1500	B1/E	D400
E. 446658.163	1.314							
N. 403774.577								

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S8	22.410					1500	B1/E	D400
E. 446646.782	1.314							
N. 403751.818								
S9	21.056					1500	B1/E	D400
E. 446686.939	1.314							
N. 403704.937								
S10	21.229					1500	B	D400
E. 446704.028	1.536							
N. 403695.068								
S11	21.176					1800	B	D400
E. 446718.960	1.522							
N. 403691.342								
HWS19	19.500						HEADWALL	
E. 446589.788	0.750							
N. 403558.572								
S24	30.097					1200	B1/E	D400
E. 446752.931	1.200							
N. 403890.546								
S25	31.243					1200	B	D400
E. 446730.072	2.498							
N. 403890.696								
S26	24.379					1200	B1/E	D400
E. 446672.148	1.200							
N. 403795.554								

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S27	27.367					1200	B1/E	D400
E. 446711.105	1.200							
N. 403837.083								
S28	27.064					1200	B1/E	D400
E. 446734.057	1.200							
N. 403836.386								
S29	26.921					1200	B1/E	D400
E. 446745.149	1.200							
N. 403833.806								
S30	26.207					1200	B1/E	D400
E. 446740.348	1.200							
N. 403815.739								
S31	25.897					1500	B1/E	D400
E. 446740.299	1.200							
N. 403808.983								
S32	23.720					1200	B1/E	D400
E. 446728.940	1.200							
N. 403762.011								
S33	22.869					1200	B1/E	D400
E. 446731.190	1.200							
N. 403745.362								

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			Code	Inverts	Diams Inv-soff		Manhole	Cover
S12	21.096					1800	B	D400
E. 446714.473	1.487							
N. 403669.713								
S13	21.231					1500	B	D400
E. 446713.661	1.660							
N. 403656.798								
S14	21.370					1500	B	D400
E. 446707.122	1.839							
N. 403642.521								
S15	21.452					1500	B	D400
E. 446691.535	1.982							
N. 403633.048								
S16	20.664					1800	B	D400
E. 446655.093	1.585							
N. 403590.369								
S16	21.341					1800	B	D400
E. 446685.710	2.031							
N. 403625.346								
S17	20.186					1800	B1/E	D400
E. 446613.706	1.230							
N. 403603.129								
S18	19.900					1800	B1/E	D400
E. 446601.186	1.010							
N. 403579.543								

STORM SYSTEM										
Pipe Code	Diameter (Inv-Soff) (mm)	Gradient (1:)	Pipe Type	Pipe Length	Upstream Manhole		Downstream Manhole			
					Number	Invert	Number	Invert	Number	Invert
1.000	150	27.8	CLAY	25.973	S1	31.794	33.144	S2	30.859	32.209
1.001	150	19.8	CLAY	14.745	S2	30.859	32.209	S3	30.116	31.919
1.002	300	38.7	CONC	65.443	S3	28.316	31.919	S4	26.625	28.226
1.003	300	12.6	CONC	28.657	S4	26.625	28.226	S5	24.350	25.951
1.004	300	14.8	CONC	24.105	S5	24.350	25.951	S6	22.720	24.382
1.005	300	21.4	CONC	22.484	S6	22.720	24.382	S7	21.670	23.284
1.006	375	29.1	CONC	25.446	S7	21.595	23.284	S8	20.721	22.410
1.007	375	45.6	CONC	61.729	S8	20.721	22.410	S9	19.367	21.056
1.008	525	401.4	CONC	19.734	S9	19.217	21.056	S10	19.168	21.229
1.009	525	401.4	CONC	15.390	S10	19.168	21.229	S11	19.129	21.176
1.010	525	490.9	CONC	22.089	S11	19.129	21.176	S12	19.084	21.096
1.011	525	407.7	CONC	12.941	S12	19.084	21.096	S13	19.046	21.231
1.012	525	392.6	CONC	15.703	S13	19.046	21.231	S14	19.006	21.370
1.013	600	299.0	CONC	18.240	S14	18.931	21.370	S15	18.870	21.452
1.014	600	60.4	CONC	9.657	S15	18.870	21.452	S16	18.710	21.341
1.015	600	142.3	CONC	16.932	S16	18.710	21.341	S16A	18.591	21.129
1.016	750	350.8	CONC	11.578	S16A	18.441	21.129	S16B	18.408	20.987
1.017	750	357.9	CONC	11.812	S16B	18.408	20.987	S16C	18.375	20.855
1.018	750	347.8	CONC	15.998	S16C	18.375	20.855	S16	18.329	20.664
1.019	750	352.1	CONC	43.309	S16	18.329	20.664	S17	18.206	20.186
1.020	750	404.6	CONC	26.703	S17	18.206	20.186	S18	18.140	19.900
1.021	750	171.1	CONC	23.868	S18	18.140	19.900	HWS19	18.000	18.900
2.000	225	150.0	CLAY	22.859	S24	28.672	30.097	S25	28.520	31.243
2.001	225	150.0	CLAY	19.261	S25	28.520	31.243	S3	28.391	31.919
3.000	225	78.7	CLAY	12.514	S26	22.954	24.379	S6	22.795	24.382
4.000	150	75.8	CLAY	22.963	S27	26.017	27.367	S28	25.714	27.064
4.001	150	79.6	CLAY	11.388	S28	25.714	27.064	S29	25.571	26.921
4.002	225	26.2	CLAY	18.694	S29	25.496	26.921	S30	24.782	26.207
4.003	225	21.8	CLAY	6.756	S30	24.782	26.207	S31	24.472	25.897
4.004	225	22.2	CLAY	48.326	S31	24.472	25.897	S32	22.295	23.720
4.005	225	19.7	CLAY	16.800	S32	22.295	23.720	S33	21.444	22.869
4.006	300	27.5	CONC	55.387	S33	21.369	22.869	S11	19.354	21.176
5.000	300	233.8	CONC	28.518	S34	19.220	20.820	S34A	19.098	21.118
5.001	300	233.0	CONC	20.506	S34A	19.098	21.118	S16	19.010	21.341
6.000	225	71.4	CLAY	22.919	S35	19.483	21.008	S36	19.162	20.687
6.001	225	75.9	CLAY	32.726	S36	19.162	20.687	S17	18.731	20.186

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S34	20.820					1500	B1/E	D400
E. 446650.705	1.300							
N. 403658.206								
S35	21.008					1200	B1/E	D400
E. 446621.235	1.300							
N. 403657.922								
S36	20.687					1500	B1/E	D400
E. 446615.158	1.300							
N. 403635.823								
S16A	21.129					1800	B	D400
E. 446682.940	1.938							