

## Appendix N: Model Output – Current and Future

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## Los Altos Sewer Master Plan

### Definitions for model results

Upstream Manhole: The upstream manhole ID of pipe.

Downstream Manhole: The downstream manhole ID of pipe.

Diameter: Pipe diameter in inches.

Upstream Invert: The upstream manhole invert elevation in feet

Downstream Invert: The downstream manhole invert elevation in feet

Capacity: Pipe capacity under open channel, full pipe conditions. Capacity is calculated using Manning's equation.

Pressure: Pressure is calculated as the hydraulic grade line elevation minus the top of the pipe elevation. A negative pressure indicates open channel flow.

$q/Q - q$  is the peak flow (discharge) through the pipe.  $Q$  is the pipe capacity.

$d/D - d$  is the flow depth.  $D$  is the pipe diameter

Depth: The depth of flow is calculated as the hydraulic grade line minus the invert elevation

Discharge: The peak flow thru the pipe.

Velocity: The peak velocity thru the pipe.

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
A1S-301_A1S-302	A1S-301	A1S-302	6	62.73	61.62	0.40	-0.397	0.067	0.206	0.103	0.027	1.587	-0.397	0.067	0.206	0.103	0.027	1.588
A1S-302_A1S-303	A1S-302	A1S-303	6	61.62	59.79	0.31	-0.383	0.094	0.235	0.117	0.029	1.396	-0.383	0.094	0.235	0.117	0.029	1.397
A1S-303_A1S-305	A1S-303	A1S-305	6	59.79	58.25	0.31	-0.374	0.122	0.252	0.126	0.038	1.592	-0.374	0.122	0.252	0.126	0.038	1.593
A1S-304_A1S-303	A1S-304	A1S-303	6	61.91	59.79	0.47	-0.383	0.008	0.235	0.117	0.004	0.334	-0.383	0.008	0.235	0.117	0.004	0.334
A1S-305_A2S-102	A1S-305	A2S-102	6	58.25	57.14	0.31	-0.372	0.140	0.255	0.128	0.043	1.705	-0.372	0.140	0.256	0.128	0.043	1.705
A1S-601_A2S-409	A1S-601	A2S-409	6	61.01	59.66	0.28	-0.296	0.280	0.407	0.204	0.079	1.752	-0.296	0.280	0.408	0.204	0.079	1.753
A1S-602_A1S-601	A1S-602	A1S-601	6	61.88	61.01	0.28	-0.320	0.243	0.360	0.180	0.069	1.747	-0.320	0.244	0.361	0.180	0.069	1.748
A1S-603_A1S-602	A1S-603	A1S-602	6	62.81	61.88	0.28	-0.332	0.178	0.336	0.168	0.050	1.495	-0.332	0.178	0.337	0.168	0.050	1.495
A1S-604_A1S-602	A1S-604	A1S-602	6	63.23	61.88	0.31	-0.332	0.051	0.336	0.168	0.016	0.647	-0.332	0.051	0.337	0.168	0.016	0.648
A1S-605_A1S-604	A1S-605	A1S-604	6	64.72	63.23	0.38	-0.424	0.021	0.152	0.076	0.008	0.846	-0.424	0.021	0.153	0.076	0.008	0.846
A1S-606_A1S-607	A1S-606	A1S-607	6	71.95	69.04	0.38	-0.446	0.015	0.109	0.054	0.006	0.915	-0.446	0.015	0.109	0.054	0.006	0.916
A1S-607_A1S-608	A1S-607	A1S-608	6	69.04	67.33	0.47	-0.433	0.025	0.135	0.068	0.012	1.335	-0.432	0.025	0.135	0.068	0.012	1.336
A1S-608_A1S-611	A1S-608	A1S-611	6	67.33	64.87	0.40	-0.419	0.039	0.162	0.081	0.016	1.342	-0.419	0.040	0.162	0.081	0.016	1.343
A1S-609_A1S-605	A1S-609	A1S-605	6	67.34	64.72	0.38	-0.450	0.015	0.100	0.050	0.006	0.980	-0.450	0.015	0.100	0.050	0.006	0.980
A1S-610_A1S-607	A1S-610	A1S-607	6	69.86	69.04	0.25	-0.446	0.015	0.109	0.054	0.004	0.611	-0.446	0.015	0.109	0.054	0.004	0.611
A1S-611_A1S-301	A1S-611	A1S-301	6	64.87	62.73	0.40	-0.412	0.057	0.176	0.088	0.023	1.609	-0.412	0.057	0.176	0.088	0.023	1.610
A1S-612_A1S-611	A1S-612	A1S-611	6	65.94	64.87	0.40	-0.419	0.010	0.162	0.081	0.004	0.473	-0.419	0.010	0.162	0.081	0.004	0.473
A1S-613_A1S-616	A1S-613	A1S-616	6	62.22	60.96	0.31	-0.424	0.025	0.151	0.076	0.008	0.798	-0.424	0.025	0.152	0.076	0.008	0.798
A1S-614_A1S-603	A1S-614	A1S-603	6	63.13	62.81	0.28	-0.357	0.175	0.287	0.144	0.049	1.649	-0.356	0.175	0.287	0.144	0.049	1.650
A1S-615_A1S-604	A1S-615	A1S-604	6	64.77	63.23	0.38	-0.424	0.013	0.152	0.076	0.005	0.590	-0.424	0.013	0.153	0.076	0.005	0.590
A1S-616_A2S-409	A1S-616	A2S-409	6	60.96	59.66	0.31	-0.296	0.050	0.407	0.204	0.016	0.545	-0.296	0.051	0.408	0.204	0.016	0.545
A2P-401_A2S-404	A2P-401	A2S-404	6	60.13	58.3	0.83	-0.007	0.006	0.986	0.493	0.005	0.296	0.017	0.006	1.034	0.517	0.005	0.296
A2P-402_A2S-408	A2P-402	A2S-408	6	49.66	48.5	0.33	0.843	0.148	2.685	1.343	0.049	0.383	0.967	0.245	2.933	1.467	0.082	0.633
A2P-501_A2S-506	A2P-501	A2S-506	27	52.35	51.2	17.07	-0.969	0.587	0.569	1.281	10.020	6.745	-0.837	0.682	0.628	1.413	11.638	6.968
A2S-101_A2S-106	A2S-101	A2S-106	6	54.16	52.04	0.31	-0.362	0.160	0.277	0.138	0.050	1.763	-0.340	0.200	0.321	0.160	0.062	1.827
A2S-102_A2S-103	A2S-102	A2S-103	6	57.14	56.05	0.31	-0.372	0.143	0.256	0.128	0.044	1.735	-0.372	0.144	0.256	0.128	0.044	1.736
A2S-103_A2S-104	A2S-103	A2S-104	6	56.05	55.16	0.34	-0.361	0.132	0.277	0.139	0.045	1.686	-0.356	0.133	0.289	0.144	0.045	1.637
A2S-104_A2S-101	A2S-104	A2S-101	6	55.16	54.16	0.28	-0.361	0.169	0.277	0.139	0.048	1.688	-0.349	0.181	0.302	0.151	0.051	1.639
A2S-105_A2S-106	A2S-105	A2S-106	6	53.28	52.04	0.29	-0.362	0.000	0.277	0.138	0.000	0.099	-0.340	0.009	0.321	0.160	0.003	0.151
A2S-106_A2S-107	A2S-106	A2S-107	6	52.04	50.4	0.31	-0.360	0.168	0.280	0.140	0.052	1.802	-0.332	0.224	0.337	0.168	0.069	1.903
A2S-107_A2P-402	A2S-107	A2P-402	6	50.4	49.66	0.33	-0.301	0.167	0.399	0.200	0.056	1.658	-0.156	0.234	0.688	0.344	0.078	1.667
A2S-201_Z1S-126	A2S-201	Z1S-126	30	40.9	36.3	28.04	-1.169	0.456	0.533	1.332	12.785	7.898	-1.047	0.525	0.581	1.453	14.717	8.157
A2S-202_A2S-203	A2S-202	A2S-203	30	45.5	43.4	19.20	-1.011	0.665	0.596	1.489	12.775	6.501	-0.866	0.765	0.654	1.634	14.697	6.832
A2S-203_A2S-201	A2S-203	A2S-201	30	43.4	40.9	20.67	-1.078	0.618	0.569	1.422	12.781	6.871	-0.941	0.712	0.624	1.559	14.708	7.087
A2S-401_A2S-406	A2S-401	A2S-406	15	56.7	55.1	3.82	-0.600	0.037	0.520	0.650	0.140	0.684	-0.569	0.037	0.545	0.681	0.140	0.626
A2S-402_A1S-601	A2S-402	A1S-601	6	65.46	61.01	0.49	-0.320	0.012	0.360	0.180	0.006	0.349	-0.320	0.012	0.361	0.180	0.006	0.348
A2S-403_A2S-406	A2S-403	A2S-406	15	56.4	55.1	4.05	-0.516	0.649	0.587	0.734	2.626	5.440	-0.476	0.703	0.619	0.774	2.847	5.539
A2S-404_A2S-403	A2S-404	A2S-403	15	58.3	56.4	8.58	-0.516	0.306	0.587	0.734	2.629	6.802	-0.476	0.332	0.619	0.774	2.851	6.917
A2S-405_A2P-401	A2S-405	A2P-401	6	61.29	60.13	0.47	-0.471	0.004	0.058	0.029	0.002	0.764	-0.471	0.004	0.058	0.029	0.002	0.762
A2S-406_A2S-407	A2S-406	A2S-407	15	55.1	50.8	5.19	-0.600	0.533	0.520	0.650	2.762	6.650	-0.569	0.575	0.545	0.681	2.983	6.776
A2S-407_A2S-408	A2S-407	A2S-408	15	50.8	48.5	6.84	0.093	0.403	1.074	1.343	2.758	4.610	0.217	0.436	1.173	1.467	2.981	4.566
A2S-408_A2S-202	A2S-408	A2S-202	30	48.5	45.5	22.75	-1.011	0.561	0.596	1.489	12.768	6.777	-0.866	0.645	0.654	1.634	14.684	6.977
A2S-409_A2S-410	A2S-409	A2S-410	6	59.66	58.2	0.28	-0.296	0.350	0.407	0.204	0.099	2.100	-0.296	0.351	0.408	0.204	0.099	2.101
A2S-410_A2S-401	A2S-410	A2S-401	15	58.2	56.7	3.72	-1.073	0.036	0.142	0.178	0.134	2.077	-1.071	0.036	0.143	0.179	0.135	2.068
A2S-411_A2P-402	A2S-411	A2P-402	6	49.75	49.66	0.21	-0.301	0.007	0.399	0.200	0.001	0.116	-0.156	0.018	0.688	0.344	0.004	0.187
A2S-412_A2S-404	A2S-412	A2S-404	15	61	58.3	5.02	-0.607	0.524	0.514	0.643	2.628	6.411	-0.575	0.568	0.540	0.675	2.850	6.540
A2S-413_A2S-412	A2S-413	A2S-412	8	63.12	61	0.70	-0.024	0.139	0.964	0.643	0.098	0.661	0.009	0.156	1.013	0.675	0.110	0.695
A2S-414_B2S-108	A2S-414	B2S-108	6	66.84	66.36	0.31	-0.439	0.013	0.121	0.061	0.004	0.584	-0.439	0.013	0.122	0.061	0.004	0.584
A2S-501_A2P-501	A2S-501	A2P-501	6	52.47	52.35	0.24	0.750	0.026	2.499	1.250	0.006	0.231	0.877	0.020	2.754	1.377	0.005	0.305
A2S-502_A2S-504	A2S-502	A2S-504	6	54.18	54.1	0.20	0.761	0.045	2.522	1.261	0.009	0.397	0.888	0.087	2.776	1.388	0.017	0.543
A2S-503_A2S-502	A2S-503	A2S-502	6	55.34	54.18	0.36	0.681	0.006	2.362	1.181	0.002	0.222	0.808	0.022	2.617	1.308	0.008	0.267

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
A2S-504_A2P-501	A2S-504	A2P-501	27	54.1	52.35	16.58	-0.989	0.604	0.561	1.261	10.018	6.770	-0.861	0.701	0.617	1.389	11.631	7.000
A2S-505_A2S-502	A2S-505	A2S-502	6	55.28	54.18	0.42	0.681	0.010	2.362	1.181	0.004	0.420	0.808	0.028	2.617	1.308	0.012	0.484
A2S-506_A2S-408	A2S-506	A2S-408	27	51.2	48.5	16.22	-0.907	0.618	0.597	1.343	10.023	6.402	-0.783	0.718	0.652	1.467	11.648	6.673
A2S-507_A2S-408	A2S-507	A2S-408	6	52.67	48.5	0.40	0.843	0.018	2.685	1.343	0.007	0.169	0.967	0.039	2.933	1.467	0.016	0.305
B1L-401_C1S-101	B1L-401	C1S-101	6	108.72	107.49	0.28	-0.442	0.014	0.117	0.058	0.004	0.591	-0.442	0.014	0.117	0.059	0.004	0.591
B1S-201_B1S-305	B1S-201	B1S-305	6	73.13	70.53	0.36	-0.414	0.044	0.172	0.086	0.016	1.227	-0.414	0.044	0.172	0.086	0.016	1.228
B1S-202_B1S-201	B1S-202	B1S-201	6	74.84	73.13	0.40	-0.429	0.017	0.142	0.071	0.007	0.819	-0.429	0.017	0.142	0.071	0.007	0.820
B1S-203_B1S-201	B1S-203	B1S-201	6	74.63	73.13	0.31	-0.429	0.010	0.142	0.071	0.003	0.410	-0.429	0.010	0.142	0.071	0.003	0.410
B1S-204_B1S-205	B1S-204	B1S-205	6	81.22	79.99	0.33	-0.400	0.078	0.201	0.101	0.026	1.501	-0.399	0.078	0.201	0.101	0.026	1.502
B1S-205_B1S-316	B1S-205	B1S-316	8	79.99	78.86	0.61	-0.556	0.050	0.167	0.111	0.030	1.306	-0.555	0.050	0.167	0.111	0.030	1.307
B1S-206_B1S-207	B1S-206	B1S-207	6	82.97	81.69	0.33	-0.403	0.059	0.194	0.097	0.020	1.284	-0.403	0.060	0.194	0.097	0.020	1.285
B1S-207_B1S-209	B1S-207	B1S-209	6	81.69	81.48	0.28	-0.403	0.083	0.194	0.097	0.023	1.352	-0.403	0.083	0.194	0.097	0.023	1.352
B1S-208_B1S-206	B1S-208	B1S-206	6	87.67	82.97	0.49	-0.417	0.018	0.166	0.083	0.009	0.926	-0.417	0.018	0.166	0.083	0.009	0.927
B1S-209_B1S-204	B1S-209	B1S-204	6	81.48	81.22	0.31	-0.405	0.079	0.190	0.095	0.024	1.440	-0.405	0.079	0.190	0.095	0.024	1.441
B1S-301_B1S-302	B1S-301	B1S-302	6	68.29	67.03	0.33	-0.404	0.080	0.192	0.096	0.027	1.578	-0.404	0.080	0.192	0.096	0.027	1.579
B1S-302_A1S-614	B1S-302	A1S-614	6	67.03	63.13	0.55	-0.359	0.054	0.283	0.142	0.030	1.436	-0.358	0.054	0.283	0.142	0.030	1.437
B1S-303_A1S-614	B1S-303	A1S-614	6	64.07	63.13	0.31	-0.359	0.061	0.283	0.142	0.019	0.877	-0.358	0.061	0.283	0.142	0.019	0.878
B1S-304_B2S-107	B1S-304	B2S-107	6	66.86	64.89	0.49	-0.421	0.010	0.158	0.079	0.005	0.602	-0.421	0.010	0.158	0.079	0.005	0.602
B1S-305_B1S-301	B1S-305	B1S-301	6	70.53	68.29	0.33	-0.405	0.065	0.191	0.096	0.022	1.379	-0.404	0.065	0.191	0.096	0.022	1.379
B1S-306_B2S-109	B1S-306	B2S-109	8	73.8	72.45	0.60	0.157	1.086	1.236	0.824	0.654	3.129	0.864	1.186	2.296	1.531	0.714	3.126
B1S-307_B1S-306	B1S-307	B1S-306	8	75.55	73.8	0.72	0.157	0.912	1.236	0.824	0.661	3.180	0.864	0.979	2.296	1.531	0.709	3.225
B1S-308_B1S-309	B1S-308	B1S-309	8	77.64	76.39	0.62	-0.068	0.069	0.898	0.599	0.043	0.382	0.982	0.063	2.473	1.648	0.039	0.376
B1S-309_B1S-307	B1S-309	B1S-307	8	76.39	75.55	0.64	-0.068	1.042	0.898	0.599	0.665	3.388	0.982	1.122	2.473	1.648	0.715	3.405
B1S-310_B1S-316	B1S-310	B1S-316	6	81.28	78.86	0.65	-0.389	0.008	0.222	0.111	0.005	0.461	-0.389	0.008	0.222	0.111	0.005	0.461
B1S-311_B1S-314	B1S-311	B1S-314	6	82.37	80.19	0.46	-0.128	0.645	0.745	0.373	0.294	3.275	-0.095	0.680	0.810	0.405	0.310	3.216
B1S-312_B1S-313	B1S-312	B1S-313	8	82.01	81.45	0.70	-0.317	0.468	0.525	0.350	0.327	2.859	-0.281	0.549	0.578	0.386	0.383	2.970
B1S-313_B1S-314	B1S-313	B1S-314	8	81.45	80.19	0.61	-0.294	0.542	0.559	0.373	0.330	2.637	-0.262	0.635	0.607	0.405	0.387	2.918
B1S-314_B1S-309	B1S-314	B1S-309	8	80.19	76.39	1.05	-0.068	0.599	0.898	0.599	0.627	3.602	0.982	0.668	2.473	1.648	0.700	3.702
B1S-315_B2S-118	B1S-315	B2S-118	6	75.5	73.97	0.30	-0.449	0.010	0.102	0.051	0.003	0.553	-0.449	0.010	0.103	0.051	0.003	0.551
B1S-316_B1S-308	B1S-316	B1S-308	8	78.86	77.64	0.63	-0.551	0.061	0.174	0.116	0.038	1.496	-0.266	0.061	0.601	0.401	0.038	1.404
B1S-501_B1S-502	B1S-501	B1S-502	6	90.17	89.17	0.31	-0.456	0.006	0.088	0.044	0.002	0.477	-0.456	0.006	0.088	0.044	0.002	0.477
B1S-502_B1S-503	B1S-502	B1S-503	6	89.17	88.1	0.31	-0.445	0.016	0.110	0.055	0.005	0.757	-0.445	0.016	0.110	0.055	0.005	0.757
B1S-503_B1S-208	B1S-503	B1S-208	6	88.1	87.67	0.31	-0.445	0.026	0.110	0.055	0.008	1.037	-0.445	0.026	0.110	0.055	0.008	1.038
B1S-504_B1S-505	B1S-504	B1S-505	6	97.7	95.65	0.36	-0.434	0.025	0.133	0.067	0.009	1.015	-0.433	0.025	0.133	0.067	0.009	1.015
B1S-505_B1S-506	B1S-505	B1S-506	6	95.65	93.98	0.33	-0.419	0.038	0.162	0.081	0.013	1.099	-0.419	0.038	0.162	0.081	0.013	1.100
B1S-506_B1S-606	B1S-506	B1S-606	8	93.98	92.68	0.59	-0.576	0.032	0.137	0.091	0.019	1.100	-0.575	0.032	0.137	0.091	0.019	1.100
B1S-507_B1S-504	B1S-507	B1S-504	6	105.15	97.7	0.69	-0.446	0.008	0.108	0.054	0.006	1.092	-0.446	0.008	0.108	0.054	0.006	1.092
B1S-601_B1S-609	B1S-601	B1S-609	6	90.5	86.76	0.46	-0.216	0.617	0.568	0.284	0.283	3.805	-0.206	0.651	0.588	0.294	0.298	3.851
B1S-602_B1S-601	B1S-602	B1S-601	6	92.1	90.5	0.44	-0.216	0.031	0.568	0.284	0.014	0.579	-0.206	0.031	0.587	0.294	0.014	0.577
B1S-603_B1S-602	B1S-603	B1S-602	6	95.63	92.1	0.44	-0.437	0.018	0.125	0.063	0.008	1.044	-0.437	0.018	0.126	0.063	0.008	1.044
B1S-604_B1S-206	B1S-604	B1S-206	6	84.21	82.97	0.33	-0.417	0.026	0.166	0.083	0.009	0.826	-0.417	0.026	0.166	0.083	0.009	0.827
B1S-605_B1S-604	B1S-605	B1S-604	6	90.19	84.21	0.55	-0.444	0.009	0.112	0.056	0.005	0.871	-0.444	0.009	0.112	0.056	0.005	0.871
B1S-606_B1S-608	B1S-606	B1S-608	8	92.68	90.76	0.62	-0.330	0.041	0.504	0.336	0.025	0.502	-0.295	0.041	0.557	0.371	0.025	0.507
B1S-607_B1S-608	B1S-607	B1S-608	8	96.67	90.76	1.32	-0.330	0.289	0.504	0.336	0.381	4.025	-0.295	0.348	0.557	0.371	0.460	4.281
B1S-608_B1S-601	B1S-608	B1S-601	6	90.76	90.5	0.11	-0.164	0.819	0.673	0.336	0.094	1.177	-0.129	0.961	0.743	0.371	0.110	1.578
B1S-608_B1S-610	B1S-608	B1S-610	8	90.76	89.17	0.62	-0.330	0.508	0.504	0.336	0.317	2.843	-0.295	0.598	0.557	0.371	0.373	2.992
B1S-609_B1S-311	B1S-609	B1S-311	6	86.76	82.37	0.49	-0.205	0.592	0.591	0.296	0.290	3.859	-0.193	0.624	0.613	0.307	0.305	3.897
B1S-610_B1S-312	B1S-610	B1S-312	8	89.17	82.01	1.31	-0.342	0.247	0.487	0.325	0.323	3.670	-0.309	0.290	0.537	0.358	0.379	3.819
B2P-201_B2S-204	B2P-201	B2S-204	6	74.9	74.72	0.27	-0.316	0.278	0.369	0.184	0.077	1.829	-0.311	0.279	0.379	0.189	0.077	1.791
B2P-203_B2S-210	B2P-203	B2S-210	8	73.1	70.4	1.02	-0.410	0.314	0.385	0.257	0.319	3.993	-0.406	0.324	0.391	0.261	0.329	4.026
B2P-502_B2S-510	B2P-502	B2S-510	6	80.37	80.12	0.35	-0.468	0.007	0.065	0.033	0.002	0.728	-0.468	0.007	0.065	0.033	0.002	0.729

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
B2S-101_B2S-208	B2S-101	B2S-208	6	77.26	77.06	0.28	-0.454	0.013	0.092	0.046	0.003	0.660	-0.454	0.013	0.092	0.046	0.003	0.660
B2S-102_B2S-103	B2S-102	B2S-103	6	77.86	75.6	0.37	0.078	0.009	1.156	0.578	0.003	0.130	0.108	0.009	1.215	0.608	0.003	0.130
B2S-102_B2S-309	B2S-102	B2S-309	6	77.86	77.28	0.19	-0.438	0.009	0.124	0.062	0.002	0.272	-0.438	0.009	0.124	0.062	0.002	0.273
B2S-103_B2S-116	B2S-103	B2S-116	15	75.6	73.9	4.30	-0.672	0.436	0.463	0.578	1.875	5.241	-0.642	0.476	0.486	0.608	2.044	5.360
B2S-104_B2S-105	B2S-104	B2S-105	6	67.67	66.08	0.40	-0.329	0.007	0.342	0.171	0.003	0.168	-0.318	0.007	0.364	0.182	0.003	0.154
B2S-105_B2S-120	B2S-105	B2S-120	8	66.08	64.71	0.61	-0.491	0.144	0.263	0.175	0.088	1.889	-0.480	0.164	0.280	0.187	0.100	1.964
B2S-106_A2S-412	B2S-106	A2S-412	15	64.9	61	5.59	-0.607	0.453	0.514	0.643	2.533	6.475	-0.575	0.491	0.540	0.675	2.744	6.607
B2S-107_B1S-303	B2S-107	B1S-303	6	64.89	64.07	0.31	-0.415	0.054	0.170	0.085	0.017	1.238	-0.415	0.054	0.170	0.085	0.017	1.239
B2S-108_B2S-107	B2S-108	B2S-107	6	66.36	64.89	0.31	-0.421	0.032	0.158	0.079	0.010	0.909	-0.421	0.032	0.158	0.079	0.010	0.910
B2S-109_B2S-110	B2S-109	B2S-110	8	72.45	71.96	0.64	-0.074	1.024	0.890	0.593	0.658	3.244	0.314	1.128	1.471	0.981	0.724	3.215
B2S-110_B2S-112	B2S-110	B2S-112	8	71.96	71	0.62	-0.094	1.055	0.858	0.572	0.654	3.507	0.181	1.171	1.272	0.848	0.726	3.445
B2S-111_B2S-106	B2S-111	B2S-106	15	68.7	64.9	5.53	-0.656	0.458	0.476	0.594	2.532	6.828	-0.627	0.496	0.498	0.623	2.744	6.970
B2S-112_B2S-111	B2S-112	B2S-111	8	71	68.7	0.98	-0.072	0.670	0.892	0.594	0.656	3.604	-0.044	0.744	0.934	0.623	0.728	3.973
B2S-113_B2S-103	B2S-113	B2S-103	6	79.1	75.6	0.42	0.078	0.073	1.156	0.578	0.031	0.542	0.108	0.073	1.215	0.608	0.031	0.541
B2S-114_B2S-113	B2S-114	B2S-113	6	81.99	79.1	0.38	-0.409	0.055	0.182	0.091	0.021	1.445	-0.409	0.055	0.183	0.091	0.021	1.446
B2S-115_B2S-111	B2S-115	B2S-111	15	71.1	68.7	5.98	-0.656	0.314	0.476	0.594	1.877	5.717	-0.627	0.342	0.498	0.623	2.045	5.859
B2S-116_B2S-115	B2S-116	B2S-115	15	73.9	71.1	4.37	-0.676	0.430	0.459	0.574	1.879	5.305	-0.647	0.469	0.482	0.603	2.048	5.424
B2S-117_B2S-114	B2S-117	B2S-114	6	83.27	81.99	0.38	-0.421	0.010	0.158	0.079	0.004	0.478	-0.421	0.010	0.158	0.079	0.004	0.478
B2S-118_B2S-119	B2S-118	B2S-119	6	73.97	73.45	0.27	-0.429	0.021	0.142	0.071	0.006	0.676	-0.419	0.021	0.162	0.081	0.006	0.856
B2S-119_B2S-109	B2S-119	B2S-109	6	73.45	72.45	0.29	0.093	0.030	1.186	0.593	0.009	0.306	0.481	0.028	1.962	0.981	0.008	0.306
B2S-120_A2S-413	B2S-120	A2S-413	8	64.71	63.12	0.62	-0.491	0.152	0.263	0.176	0.094	1.981	-0.480	0.171	0.280	0.187	0.106	2.050
B2S-121_B2S-108	B2S-121	B2S-108	6	68.52	66.36	0.54	-0.439	0.009	0.121	0.061	0.005	0.796	-0.439	0.009	0.122	0.061	0.005	0.796
B2S-202_B2P-201	B2S-202	B2P-201	6	76.12	74.9	0.28	-0.319	0.275	0.362	0.181	0.076	1.855	-0.318	0.275	0.364	0.182	0.076	1.847
B2S-204_B2S-205	B2S-204	B2S-205	6	74.72	74.24	0.28	-0.313	0.290	0.374	0.187	0.080	1.877	-0.308	0.305	0.384	0.192	0.085	1.903
B2S-205_B2P-203	B2S-205	B2P-203	6	74.24	73.1	0.28	-0.243	0.301	0.513	0.257	0.083	1.537	-0.239	0.316	0.521	0.261	0.088	1.568
B2S-206_B2P-203	B2S-206	B2P-203	6	73.13	73.1	0.07	0.140	3.513	1.280	0.640	0.234	1.893	0.157	3.580	1.313	0.657	0.238	1.907
B2S-208_B2S-202	B2S-208	B2S-202	6	77.06	76.12	0.28	-0.322	0.016	0.357	0.178	0.005	0.213	-0.322	0.016	0.357	0.179	0.005	0.214
B2S-210_B2S-211	B2S-210	B2S-211	8	70.4	66.9	1.14	-0.442	0.244	0.337	0.224	0.279	4.192	-0.439	0.252	0.342	0.228	0.288	4.229
B2S-210_B2S-215	B2S-210	B2S-215	6	70.4	70.3	0.09	-0.276	0.468	0.449	0.224	0.040	1.165	-0.272	0.481	0.456	0.228	0.041	1.111
B2S-211_B2S-212	B2S-211	B2S-212	8	66.9	62.7	1.44	-0.366	0.194	0.451	0.301	0.279	3.611	-0.346	0.200	0.481	0.321	0.288	3.503
B2S-212_B2S-313	B2S-212	B2S-313	8	62.7	57.29	1.83	0.537	0.390	1.805	1.203	0.711	3.336	0.654	0.432	1.980	1.320	0.788	3.455
B2S-213_B2S-220	B2S-213	B2S-220	6	64.68	63.7	0.40	-0.443	0.014	0.114	0.057	0.005	0.896	-0.414	0.029	0.173	0.087	0.012	1.120
B2S-214_B2S-105	B2S-214	B2S-105	8	67.65	66.08	0.62	-0.496	0.128	0.256	0.171	0.080	1.821	-0.485	0.147	0.273	0.182	0.092	1.902
B2S-215_B2S-214	B2S-215	B2S-214	6	70.3	67.65	0.34	-0.339	0.141	0.322	0.161	0.047	1.555	-0.328	0.168	0.345	0.173	0.056	1.669
B2S-216_B2S-213	B2S-216	B2S-213	6	66.65	64.68	0.40	-0.459	0.009	0.082	0.041	0.004	0.855	-0.441	0.020	0.118	0.059	0.008	1.077
B2S-217_B2S-216	B2S-217	B2S-216	6	68.74	66.65	0.42	-0.466	0.005	0.068	0.034	0.002	0.643	-0.451	0.010	0.098	0.049	0.004	0.813
B2S-219_B2S-214	B2S-219	B2S-214	8	69.5	67.65	0.62	-0.506	0.042	0.241	0.161	0.026	0.889	-0.494	0.046	0.259	0.173	0.028	0.881
B2S-220_B2S-307	B2S-220	B2S-307	6	63.7	63.1	0.44	-0.013	0.015	0.975	0.487	0.006	0.428	0.044	0.032	1.088	0.544	0.014	0.486
B2S-301_B2S-302	B2S-301	B2S-302	6	67.58	66.45	0.28	-0.414	0.040	0.172	0.086	0.011	0.900	-0.384	0.067	0.231	0.116	0.019	1.028
B2S-302_B2S-303	B2S-302	B2S-303	6	66.45	65.51	0.28	-0.007	0.049	0.986	0.493	0.013	0.523	0.050	0.086	1.100	0.550	0.024	0.550
B2S-303_B2S-310	B2S-303	B2S-310	8	65.51	64.7	0.47	-0.174	0.898	0.739	0.493	0.423	2.421	-0.117	1.008	0.825	0.550	0.475	2.458
B2S-304_B2S-303	B2S-304	B2S-303	8	66.9	65.51	0.51	-0.174	0.795	0.739	0.493	0.409	2.374	-0.117	0.875	0.825	0.550	0.451	2.357
B2S-305_B2S-306	B2S-305	B2S-306	27	59.95	59.05	12.48	-0.796	0.752	0.646	1.454	9.384	5.374	-0.628	0.874	0.721	1.622	10.901	5.547
B2S-306_B2S-311	B2S-306	B2S-311	27	59.05	58.19	12.49	-0.803	0.752	0.643	1.447	9.386	5.418	-0.643	0.873	0.714	1.607	10.909	5.618
B2S-307_B2S-212	B2S-307	B2S-212	8	63.1	62.7	0.43	-0.179	0.994	0.731	0.487	0.432	2.785	-0.123	1.150	0.816	0.544	0.500	2.903
B2S-308_B2S-307	B2S-308	B2S-307	8	63.5	63.1	0.53	-0.179	0.809	0.731	0.487	0.427	2.481	-0.123	0.924	0.816	0.544	0.487	2.530
B2S-309_B2S-516	B2S-309	B2S-516	6	77.28	76.59	0.20	-0.409	0.034	0.182	0.091	0.007	0.530	-0.402	0.034	0.195	0.098	0.007	0.499
B2S-310_B2S-319	B2S-310	B2S-319	8	64.7	64.4	0.46	-0.190	0.911	0.715	0.477	0.422	2.554	-0.141	1.023	0.788	0.525	0.474	2.584
B2S-311_B2S-313	B2S-311	B2S-313	27	58.19	57.29	12.42	-0.818	0.756	0.636	1.432	9.388	5.856	-0.671	0.879	0.702	1.579	10.917	6.185
B2S-313_A2S-504	B2S-313	A2S-504	27	57.29	54.1	17.90	-0.989	0.559	0.561	1.261	10.011	6.912	-0.862	0.649	0.617	1.388	11.611	7.140
B2S-314_B2S-319	B2S-314	B2S-319	6	72.03	64.4	0.57	-0.060	0.007	0.881	0.440	0.004	0.401	-0.014	0.015	0.973	0.486	0.008	0.338

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
B2S-318_B2S-314	B2S-318	B2S-314	6	75.09	72.03	0.40	-0.471	0.002	0.058	0.029	0.001	0.345	-0.458	0.004	0.084	0.042	0.001	0.436
B2S-319_B2S-308	B2S-319	B2S-308	8	64.4	63.5	0.55	-0.201	0.772	0.698	0.465	0.427	2.600	-0.146	0.879	0.781	0.521	0.486	2.636
B2S-401_B2S-103	B2S-401	B2S-103	12	81.5	75.6	3.64	-0.422	0.506	0.578	0.578	1.841	6.547	-0.392	0.552	0.608	0.608	2.010	6.714
B2S-402_B2S-401	B2S-402	B2S-401	6	83.66	81.5	0.37	0.004	0.017	1.009	0.504	0.006	0.206	0.032	0.017	1.063	0.532	0.006	0.205
B2S-402_B2S-512	B2S-402	B2S-512	6	83.66	82.99	0.20	-0.428	0.017	0.144	0.072	0.003	0.408	-0.428	0.017	0.144	0.072	0.003	0.408
B2S-403_B2S-114	B2S-403	B2S-114	6	86.34	81.99	0.49	-0.421	0.022	0.158	0.079	0.011	1.113	-0.421	0.022	0.158	0.079	0.011	1.114
B2S-403_B2S-404	B2S-403	B2S-404	6	86.34	86.34	0.00	-0.449	-86.340	0.103	0.051	0.000	0.019	-0.449	-86.340	0.103	0.051	0.000	0.019
B2S-404_B2S-401	B2S-404	B2S-401	6	86.34	81.5	0.49	0.004	0.022	1.009	0.504	0.011	0.325	0.032	0.022	1.063	0.532	0.011	0.324
B2S-405_B2S-403	B2S-405	B2S-403	6	89.79	86.34	0.44	-0.449	0.005	0.103	0.051	0.002	0.487	-0.449	0.005	0.103	0.051	0.002	0.486
B2S-405_B2S-406	B2S-405	B2S-406	6	89.79	88.17	0.32	-0.143	0.005	0.714	0.357	0.002	0.115	-0.110	0.005	0.780	0.390	0.002	0.115
B2S-406_B2S-409	B2S-406	B2S-409	10	88.17	87.8	0.53	-0.163	0.267	0.804	0.670	0.143	0.620	-0.114	0.265	0.863	0.720	0.142	0.568
B2S-407_B2S-406	B2S-407	B2S-406	8	90.25	88.17	0.73	-0.310	0.187	0.535	0.357	0.137	1.609	-0.277	0.188	0.585	0.390	0.137	1.594
B2S-408_B2S-410	B2S-408	B2S-410	6	89.46	87.2	0.38	0.008	0.005	1.015	0.508	0.002	0.133	0.036	0.005	1.071	0.536	0.002	0.133
B2S-408_B2S-501	B2S-408	B2S-501	6	89.46	87	0.39	-0.458	0.005	0.084	0.042	0.002	0.527	-0.458	0.005	0.084	0.042	0.002	0.527
B2S-409_B2S-410	B2S-409	B2S-410	12	87.8	87.2	2.17	-0.330	0.789	0.670	0.670	1.712	4.751	-0.281	0.867	0.720	0.720	1.883	4.830
B2S-410_B2S-401	B2S-410	B2S-401	12	87.2	81.5	3.56	-0.493	0.512	0.508	0.508	1.821	7.059	-0.465	0.560	0.536	0.536	1.991	7.215
B2S-411_B2S-409	B2S-411	B2S-409	12	90.8	87.8	2.74	-0.330	0.573	0.670	0.670	1.572	4.821	-0.281	0.637	0.720	0.720	1.746	4.935
B2S-501_B2S-505	B2S-501	B2S-505	6	87	84.14	0.40	-0.444	0.015	0.113	0.056	0.006	0.908	-0.444	0.015	0.113	0.057	0.006	0.908
B2S-502_B2P-502	B2S-502	B2P-502	6	80.89	80.37	0.28	-0.468	0.008	0.064	0.032	0.002	0.704	-0.468	0.008	0.065	0.032	0.002	0.704
B2S-503_B2S-513	B2S-503	B2S-513	8	78.4	76.8	0.82	-0.424	0.247	0.365	0.243	0.203	2.867	-0.423	0.248	0.365	0.243	0.203	2.866
B2S-504_B2S-607	B2S-504	B2S-607	6	80.4	78.86	0.28	-0.444	0.008	0.111	0.056	0.002	0.419	-0.444	0.008	0.111	0.056	0.002	0.419
B2S-505_B2S-507	B2S-505	B2S-507	6	84.14	81.3	0.40	-0.300	0.027	0.401	0.200	0.011	0.569	-0.300	0.027	0.401	0.200	0.011	0.569
B2S-506_B2S-503	B2S-506	B2S-503	6	82.24	81.5	0.20	-0.394	0.099	0.212	0.106	0.020	1.176	-0.394	0.099	0.212	0.106	0.020	1.177
B2S-507_B2S-509	B2S-507	B2S-509	8	81.3	78.9	0.89	-0.443	0.197	0.335	0.224	0.175	2.839	-0.443	0.197	0.336	0.224	0.175	2.840
B2S-508_B2S-206	B2S-508	B2S-206	8	75.9	73.13	0.80	-0.027	0.294	0.960	0.640	0.234	1.617	-0.010	0.299	0.985	0.657	0.239	1.621
B2S-509_B2S-503	B2S-509	B2S-503	8	78.9	78.4	0.75	-0.440	0.242	0.340	0.226	0.181	2.714	-0.440	0.242	0.340	0.227	0.181	2.714
B2S-510_B2S-509	B2S-510	B2S-509	6	80.12	78.9	0.36	-0.276	0.008	0.447	0.224	0.003	0.126	-0.276	0.008	0.447	0.224	0.003	0.126
B2S-512_B2S-506	B2S-512	B2S-506	6	82.99	82.24	0.21	-0.394	0.046	0.212	0.106	0.009	0.605	-0.394	0.046	0.212	0.106	0.009	0.605
B2S-513_B2S-508	B2S-513	B2S-508	8	76.8	75.9	0.76	-0.419	0.284	0.372	0.248	0.217	2.879	-0.416	0.284	0.376	0.251	0.217	2.859
B2S-514_B2S-507	B2S-514	B2S-507	8	84.75	81.3	1.06	-0.466	0.154	0.300	0.200	0.164	3.125	-0.466	0.154	0.301	0.200	0.164	3.125
B2S-515_B2S-514	B2S-515	B2S-514	8	86.5	84.75	0.96	-0.490	0.154	0.265	0.177	0.148	3.088	-0.490	0.154	0.265	0.177	0.148	3.089
B2S-516_B2S-508	B2S-516	B2S-508	6	76.59	75.9	0.20	-0.252	0.078	0.496	0.248	0.015	0.411	-0.249	0.090	0.501	0.251	0.018	0.447
B2S-601_B2S-514	B2S-601	B2S-514	6	86.29	84.75	0.28	-0.323	0.053	0.353	0.177	0.015	0.579	-0.323	0.053	0.354	0.177	0.015	0.579
B2S-602_B2S-609	B2S-602	B2S-609	6	81.4	80.21	0.33	-0.447	0.005	0.107	0.053	0.002	0.344	-0.447	0.005	0.107	0.053	0.002	0.344
B2S-603_B3S-413	B2S-603	B3S-413	8	75.2	73.52	0.59	-0.426	0.247	0.361	0.241	0.145	2.067	-0.419	0.247	0.372	0.248	0.146	2.023
B2S-604_B2S-605	B2S-604	B2S-605	6	77.34	76.59	0.28	-0.401	0.024	0.197	0.099	0.007	0.551	-0.401	0.024	0.198	0.099	0.007	0.551
B2S-605_B2S-603	B2S-605	B2S-603	6	76.59	75.2	0.28	-0.275	0.087	0.450	0.225	0.024	0.665	-0.275	0.087	0.450	0.225	0.024	0.665
B2S-606_B2S-607	B2S-606	B2S-607	6	79.46	78.86	0.27	-0.444	0.011	0.111	0.056	0.003	0.500	-0.444	0.011	0.111	0.056	0.003	0.500
B2S-607_B2S-608	B2S-607	B2S-608	6	78.86	78.19	0.28	-0.435	0.026	0.131	0.066	0.007	0.831	-0.434	0.026	0.131	0.066	0.007	0.831
B2S-608_B2S-605	B2S-608	B2S-605	6	78.19	76.59	0.28	-0.401	0.037	0.197	0.099	0.010	0.752	-0.401	0.037	0.198	0.099	0.010	0.753
B2S-609_B2S-610	B2S-609	B2S-610	6	80.21	79.4	0.34	-0.435	0.024	0.131	0.065	0.008	0.940	-0.435	0.024	0.131	0.066	0.008	0.940
B2S-610_B2S-513	B2S-610	B2S-513	6	79.4	76.8	0.33	-0.257	0.037	0.486	0.243	0.012	0.465	-0.257	0.037	0.487	0.243	0.012	0.465
B2S-611_B2S-515	B2S-611	B2S-515	6	88.28	86.5	0.28	-0.323	0.011	0.353	0.177	0.003	0.213	-0.323	0.011	0.354	0.177	0.003	0.214
B2S-612_B2S-601	B2S-612	B2S-601	6	87.72	86.29	0.28	-0.423	0.035	0.154	0.077	0.010	0.904	-0.423	0.035	0.155	0.077	0.010	0.905
B2S-613_B2S-612	B2S-613	B2S-612	6	88.44	87.72	0.28	-0.436	0.021	0.127	0.064	0.006	0.739	-0.436	0.021	0.127	0.064	0.006	0.739
B2S-614_B2S-620	B2S-614	B2S-620	6	76.27	75.27	0.28	-0.408	0.019	0.183	0.092	0.005	0.484	-0.408	0.019	0.184	0.092	0.005	0.484
B2S-615_B2S-626	B2S-615	B2S-626	6	78.5	77.83	0.28	-0.453	0.007	0.094	0.047	0.002	0.430	-0.453	0.007	0.094	0.047	0.002	0.430
B2S-616_B2S-617	B2S-616	B2S-617	6	77.91	77.1	0.27	-0.442	0.007	0.116	0.058	0.002	0.356	-0.442	0.007	0.117	0.058	0.002	0.356
B2S-617_B2S-618	B2S-617	B2S-618	6	77.1	76.37	0.28	-0.434	0.029	0.133	0.066	0.008	0.873	-0.434	0.029	0.133	0.066	0.008	0.873
B2S-618_B2S-619	B2S-618	B2S-619	6	76.37	75.94	0.28	-0.429	0.038	0.142	0.071	0.010	0.988	-0.429	0.038	0.142	0.071	0.010	0.988
B2S-619_B2S-620	B2S-619	B2S-620	6	75.94	75.27	0.28	-0.408	0.043	0.183	0.092	0.012	0.883	-0.408	0.043	0.184	0.092	0.012	0.884

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
B2S-620_B2S-621	B2S-620	B2S-621	6	75.27	74.54	0.28	-0.284	0.067	0.433	0.216	0.019	0.564	-0.284	0.067	0.433	0.217	0.019	0.564
B2S-621_B2S-624	B2S-621	B2S-624	6	74.54	74.21	0.27	-0.273	0.384	0.453	0.227	0.105	1.932	-0.273	0.384	0.454	0.227	0.105	1.932
B2S-622_B2S-621	B2S-622	B2S-621	6	75.26	74.54	0.28	-0.284	0.305	0.433	0.216	0.084	1.744	-0.284	0.305	0.433	0.217	0.085	1.745
B2S-623_B2S-622	B2S-623	B2S-622	6	75.38	75.26	0.24	-0.309	0.023	0.381	0.191	0.005	0.222	-0.309	0.023	0.382	0.191	0.005	0.219
B2S-624_B3S-416	B2S-624	B3S-416	6	74.21	73.54	0.28	-0.255	0.418	0.490	0.245	0.116	1.970	-0.254	0.419	0.492	0.246	0.116	1.967
B2S-625_B2S-623	B2S-625	B2S-623	6	76.39	75.38	0.28	-0.430	0.011	0.140	0.070	0.003	0.586	-0.430	0.011	0.141	0.070	0.003	0.588
B2S-626_B2S-617	B2S-626	B2S-617	6	77.83	77.1	0.28	-0.442	0.018	0.116	0.058	0.005	0.713	-0.442	0.018	0.117	0.058	0.005	0.713
B3S-301_B2S-304	B3S-301	B2S-304	8	68.3	66.9	0.55	-0.218	0.727	0.673	0.449	0.403	2.575	-0.184	0.789	0.725	0.483	0.438	2.591
B3S-302_B3S-303	B3S-302	B3S-303	27	61.68	60.85	12.57	-0.795	0.746	0.647	1.455	9.377	5.354	-0.625	0.866	0.722	1.625	10.883	5.497
B3S-303_B2S-305	B3S-303	B2S-305	27	60.85	59.95	12.48	-0.795	0.752	0.647	1.455	9.381	5.349	-0.625	0.873	0.722	1.625	10.893	5.501
B3S-401_B3S-302	B3S-401	B3S-302	27	62.53	61.68	12.43	-0.795	0.754	0.647	1.455	9.371	5.350	-0.626	0.875	0.722	1.624	10.869	5.491
B3S-402_B3S-404	B3S-402	B3S-404	27	65.19	63.43	17.48	-0.797	0.535	0.646	1.453	9.359	5.787	-0.629	0.620	0.721	1.621	10.846	5.913
B3S-403_B3S-405	B3S-403	B3S-405	8	70.7	69.65	0.48	-0.246	0.141	0.632	0.421	0.068	0.751	-0.222	0.175	0.667	0.445	0.084	0.830
B3S-404_B3S-401	B3S-404	B3S-401	27	63.43	62.53	12.50	-0.795	0.750	0.647	1.455	9.367	5.340	-0.626	0.869	0.722	1.624	10.862	5.481
B3S-405_B3S-301	B3S-405	B3S-301	8	69.65	68.3	0.55	-0.245	0.727	0.632	0.421	0.401	2.675	-0.221	0.786	0.669	0.446	0.433	2.710
B3S-406_C3S-108	B3S-406	C3S-108	6	81.23	80.66	0.28	-0.443	0.014	0.115	0.057	0.004	0.601	-0.443	0.014	0.115	0.058	0.004	0.601
B3S-407_B3S-409	B3S-407	B3S-409	6	78.46	77.73	0.28	-0.413	0.063	0.173	0.087	0.018	1.234	-0.395	0.097	0.210	0.105	0.027	1.431
B3S-408_B3S-407	B3S-408	B3S-407	6	79.02	78.46	0.28	-0.415	0.046	0.170	0.085	0.013	0.997	-0.395	0.079	0.210	0.105	0.022	1.232
B3S-409_B3S-410	B3S-409	B3S-410	6	77.73	76.38	0.33	-0.413	0.066	0.174	0.087	0.022	1.488	-0.396	0.095	0.208	0.104	0.031	1.655
B3S-410_B3S-413	B3S-410	B3S-413	6	76.38	73.52	0.44	-0.259	0.064	0.481	0.241	0.028	0.770	-0.252	0.086	0.496	0.248	0.038	0.953
B3S-411_B2S-614	B3S-411	B2S-614	6	76.85	76.27	0.28	-0.453	0.010	0.095	0.047	0.003	0.542	-0.453	0.010	0.095	0.047	0.003	0.542
B3S-412_B3S-411	B3S-412	B3S-411	6	77.28	76.85	0.28	-0.465	0.003	0.070	0.035	0.001	0.304	-0.465	0.003	0.070	0.035	0.001	0.304
B3S-413_B3S-414	B3S-413	B3S-414	8	73.52	72.28	0.63	-0.035	0.282	0.948	0.632	0.177	1.058	-0.017	0.298	0.974	0.650	0.187	1.081
B3S-414_B3S-417	B3S-414	B3S-417	8	72.28	72.18	0.18	-0.035	1.820	0.948	0.632	0.321	2.222	-0.017	1.879	0.974	0.650	0.331	2.246
B3S-415_B3S-414	B3S-415	B3S-414	6	72.96	72.28	0.28	0.132	0.493	1.264	0.632	0.137	1.116	0.150	0.495	1.299	0.650	0.138	1.105
B3S-416_B3S-415	B3S-416	B3S-415	6	73.54	72.96	0.28	-0.197	0.461	0.606	0.303	0.128	1.802	-0.193	0.462	0.615	0.307	0.128	1.790
B3S-417_B3S-405	B3S-417	B3S-405	8	72.18	69.65	0.86	-0.246	0.383	0.632	0.421	0.330	2.684	-0.222	0.397	0.667	0.445	0.342	2.639
B3S-501_B3S-502	B3S-501	B3S-502	15	74.71	70	17.43	0.070	0.089	1.056	1.320	1.552	3.659	0.213	0.091	1.170	1.463	1.578	3.225
B3S-501_B3S-504	B3S-501	B3S-504	8	74.71	74.6	0.16	-0.402	0.377	0.398	0.265	0.060	1.100	-0.397	0.389	0.405	0.270	0.062	1.088
B3S-502_B3S-505	B3S-502	B3S-505	27	70	68.69	15.29	-0.777	0.610	0.655	1.473	9.332	5.581	-0.615	0.706	0.727	1.635	10.801	5.736
B3S-503_B3S-502	B3S-503	B3S-502	27	70.5	70	27.25	-0.931	0.292	0.587	1.320	7.946	5.829	-0.787	0.345	0.650	1.463	9.387	6.019
B3S-504_B3S-506	B3S-504	B3S-506	8	74.6	73.72	0.53	-0.512	0.118	0.232	0.155	0.062	1.567	-0.502	0.129	0.247	0.165	0.068	1.587
B3S-505_B3S-508	B3S-505	B3S-508	27	68.69	67.86	12.08	-0.777	0.773	0.655	1.473	9.342	5.362	-0.615	0.895	0.727	1.635	10.815	5.564
B3S-506_B3S-507	B3S-506	B3S-507	8	73.72	73.3	0.54	-0.507	0.117	0.239	0.160	0.064	1.571	-0.495	0.133	0.258	0.172	0.072	1.615
B3S-507_B3S-510	B3S-507	B3S-510	8	73.3	72.1	0.52	-0.507	0.125	0.239	0.160	0.065	1.592	-0.495	0.145	0.258	0.172	0.075	1.648
B3S-508_B3S-509	B3S-508	B3S-509	27	67.86	66.99	12.27	-0.815	0.762	0.638	1.435	9.348	5.837	-0.671	0.882	0.702	1.579	10.825	6.156
B3S-509_B3S-402	B3S-509	B3S-402	27	66.99	65.19	18.02	-1.052	0.519	0.532	1.198	9.353	6.883	-0.928	0.601	0.588	1.323	10.834	7.084
B3S-510_B3S-403	B3S-510	B3S-403	8	72.1	70.7	0.56	-0.501	0.118	0.248	0.165	0.065	1.564	-0.482	0.140	0.278	0.185	0.078	1.619
B3S-511_B3S-506	B3S-511	B3S-506	6	75.5	73.72	0.31	-0.345	0.007	0.309	0.155	0.002	0.286	-0.335	0.015	0.330	0.165	0.005	0.335
C1P-601_C1S-608	C1P-601	C1S-608	6	117.62	116.96	0.28	-0.437	0.004	0.125	0.063	0.001	0.191	-0.437	0.004	0.126	0.063	0.001	0.192
C1S-101_C1S-201	C1S-101	C1S-201	6	107.49	105.95	0.33	-0.429	0.029	0.143	0.071	0.010	1.009	-0.429	0.029	0.143	0.071	0.010	1.010
C1S-201_C1S-202	C1S-201	C1S-202	6	105.95	104.21	0.33	-0.424	0.044	0.151	0.076	0.015	1.272	-0.424	0.044	0.151	0.076	0.015	1.273
C1S-202_C1S-203	C1S-202	C1S-203	6	104.21	102.6	0.33	-0.141	0.050	0.718	0.359	0.017	0.360	-0.085	0.051	0.830	0.415	0.017	0.271
C1S-203_C1S-204	C1S-203	C1S-204	8	102.6	101.05	0.62	-0.298	0.568	0.552	0.368	0.354	2.810	-0.243	0.710	0.636	0.424	0.442	2.961
C1S-204_C1S-312	C1S-204	C1S-312	8	101.05	99.51	0.61	-0.298	0.592	0.554	0.369	0.360	2.816	-0.243	0.733	0.636	0.424	0.446	2.958
C1S-205_C1S-207	C1S-205	C1S-207	6	114.2	113.43	0.33	-0.435	0.012	0.129	0.065	0.004	0.564	-0.435	0.012	0.129	0.065	0.004	0.564
C1S-206_C1S-208	C1S-206	C1S-208	6	110.87	110.1	0.33	-0.394	0.014	0.212	0.106	0.005	0.412	-0.392	0.015	0.215	0.108	0.005	0.404
C1S-207_C1S-208	C1S-207	C1S-208	6	113.43	110.1	0.49	-0.394	0.036	0.212	0.106	0.018	1.222	-0.392	0.036	0.215	0.108	0.018	1.205
C1S-208_C1S-209	C1S-208	C1S-209	6	110.1	109.48	0.28	-0.253	0.087	0.494	0.247	0.025	0.632	-0.215	0.087	0.571	0.285	0.025	0.547
C1S-209_C1S-203	C1S-209	C1S-203	8	109.48	102.6	1.13	-0.308	0.294	0.538	0.359	0.332	3.312	-0.252	0.381	0.622	0.415	0.430	3.565
C1S-210_C1S-211	C1S-210	C1S-211	6	122.9	120.89	0.43	-0.240	0.009	0.519	0.260	0.004	0.209	-0.175	0.009	0.650	0.325	0.004	0.211



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
C1S-211_C1S-212	C1S-211	C1S-212	6	120.89	115.39	0.54	-0.190	0.535	0.620	0.310	0.287	3.841	-0.100	0.757	0.800	0.400	0.406	4.111
C1S-212_C1S-214	C1S-212	C1S-214	6	115.39	113.89	0.42	-0.190	0.707	0.621	0.310	0.297	3.598	-0.100	0.979	0.800	0.400	0.411	3.788
C1S-213_C1S-212	C1S-213	C1S-212	6	116.65	115.39	0.33	-0.190	0.015	0.620	0.310	0.005	0.191	-0.100	0.015	0.800	0.400	0.005	0.193
C1S-214_C1S-209	C1S-214	C1S-209	6	113.89	109.48	0.71	-0.253	0.422	0.494	0.247	0.301	5.100	-0.215	0.578	0.571	0.285	0.413	5.683
C1S-215_C1S-211	C1S-215	C1S-211	6	123.6	120.89	0.54	-0.240	0.517	0.519	0.260	0.278	4.234	-0.175	0.748	0.650	0.325	0.402	4.630
C1S-216_C1S-207	C1S-216	C1S-207	6	117.35	113.43	0.56	-0.435	0.019	0.129	0.065	0.011	1.364	-0.435	0.019	0.129	0.065	0.011	1.365
C1S-301_B1S-607	C1S-301	B1S-607	8	97.95	96.67	0.63	-0.297	0.594	0.554	0.369	0.373	3.005	-0.247	0.723	0.629	0.419	0.454	3.197
C1S-302_C1S-301	C1S-302	C1S-301	6	101.59	97.95	0.49	-0.131	0.010	0.739	0.369	0.005	0.336	-0.081	0.010	0.839	0.419	0.005	0.310
C1S-303_B1S-601	C1S-303	B1S-601	6	94.12	91.04	0.28	-0.216	0.621	0.569	0.284	0.172	2.467	-0.215	0.621	0.569	0.285	0.172	2.468
C1S-304_B1S-603	C1S-304	B1S-603	6	99.95	95.63	0.44	-0.454	0.007	0.092	0.046	0.003	0.672	-0.454	0.007	0.093	0.046	0.003	0.673
C1S-305_C1S-303	C1S-305	C1S-303	6	96.33	94.12	0.36	-0.217	0.455	0.567	0.283	0.162	2.426	-0.216	0.456	0.567	0.284	0.163	2.427
C1S-306_C1S-305	C1S-306	C1S-305	6	98.43	96.33	0.40	-0.264	0.015	0.472	0.236	0.006	0.214	-0.264	0.015	0.473	0.237	0.006	0.218
C1S-307_C1S-309	C1S-307	C1S-309	6	102.85	100.16	0.60	-0.300	0.006	0.400	0.200	0.004	0.298	-0.300	0.006	0.400	0.200	0.004	0.300
C1S-308_C1S-305	C1S-308	C1S-305	6	99.64	96.33	0.40	-0.264	0.382	0.472	0.236	0.154	2.773	-0.264	0.383	0.473	0.237	0.154	2.774
C1S-309_C1S-308	C1S-309	C1S-308	6	100.16	99.64	0.44	-0.286	0.333	0.428	0.214	0.146	2.951	-0.286	0.334	0.428	0.214	0.146	2.952
C1S-310_C1S-309	C1S-310	C1S-309	6	102.22	100.16	0.54	-0.300	0.263	0.400	0.200	0.142	3.262	-0.300	0.264	0.400	0.200	0.142	3.263
C1S-311_C1S-308	C1S-311	C1S-308	6	102.02	99.64	0.47	-0.286	0.010	0.428	0.214	0.005	0.268	-0.286	0.010	0.428	0.214	0.005	0.270
C1S-312_C1S-301	C1S-312	C1S-301	8	99.51	97.95	0.61	-0.297	0.594	0.554	0.369	0.365	2.851	-0.244	0.730	0.634	0.423	0.448	2.998
C1S-401_C1S-409	C1S-401	C1S-409	6	131.36	129.16	0.40	-0.116	0.650	0.768	0.384	0.259	2.809	1.875	0.997	4.750	2.375	0.398	2.976
C1S-402_C1S-401	C1S-402	C1S-401	6	132.17	131.36	0.33	-0.169	0.785	0.661	0.331	0.257	2.972	2.201	1.237	5.402	2.701	0.405	3.014
C1S-403_C1S-404	C1S-403	C1S-404	6	133.32	132.72	0.28	-0.150	0.821	0.701	0.351	0.227	2.418	3.680	1.708	8.359	4.180	0.473	3.451
C1S-404_C1S-405	C1S-404	C1S-405	6	132.72	132.31	0.28	-0.136	0.829	0.728	0.364	0.229	2.362	2.832	1.650	6.663	3.332	0.455	3.395
C1S-405_C1S-402	C1S-405	C1S-402	6	132.31	132.17	0.26	-0.136	0.982	0.728	0.364	0.256	2.731	2.374	1.583	5.749	2.874	0.413	3.057
C1S-406_C1S-405	C1S-406	C1S-405	6	132.7	132.31	0.28	-0.136	0.094	0.728	0.364	0.027	0.425	2.374	0.229	5.749	2.874	0.065	0.504
C1S-407_C1S-406	C1S-407	C1S-406	6	133.17	132.7	0.28	-0.370	0.089	0.260	0.130	0.025	1.132	1.988	0.136	4.976	2.488	0.039	0.740
C1S-408_C1S-407	C1S-408	C1S-407	6	133.82	133.17	0.28	-0.398	0.089	0.204	0.102	0.025	1.362	1.521	0.087	4.043	2.021	0.024	1.186
C1S-409_C1S-506	C1S-409	C1S-506	6	129.16	128.81	0.28	-0.116	0.942	0.768	0.384	0.264	2.535	1.875	1.422	4.750	2.375	0.398	2.970
C1S-410_C1S-403	C1S-410	C1S-403	6	133.83	133.32	0.28	-0.155	0.811	0.690	0.345	0.226	2.438	4.379	1.763	9.757	4.879	0.491	3.492
C1S-411_C1S-410	C1S-411	C1S-410	6	134.74	133.83	0.28	-0.159	0.000	0.683	0.341	0.000	0.097	4.379	0.100	9.757	4.879	0.028	0.209
C1S-501_C1S-502	C1S-501	C1S-502	6	124.14	123.51	0.31	-0.422	0.038	0.157	0.079	0.012	1.029	-0.421	0.038	0.157	0.079	0.012	1.029
C1S-502_C1S-601	C1S-502	C1S-601	6	123.51	122.07	0.31	-0.421	0.054	0.158	0.079	0.017	1.306	-0.421	0.054	0.158	0.079	0.017	1.306
C1S-503_C1S-607	C1S-503	C1S-607	8	115.86	113.46	0.77	-0.508	0.021	0.238	0.159	0.016	0.631	-0.508	0.021	0.238	0.159	0.016	0.632
C1S-504_C1S-503	C1S-504	C1S-503	8	118.58	115.86	0.77	-0.601	0.017	0.099	0.066	0.013	1.189	-0.601	0.017	0.099	0.066	0.013	1.190
C1S-505_C1S-504	C1S-505	C1S-504	6	119.16	118.58	0.25	-0.433	0.039	0.133	0.067	0.010	1.026	-0.433	0.039	0.134	0.067	0.010	1.026
C1S-506_C1S-508	C1S-506	C1S-508	6	128.81	127.87	0.28	-0.118	0.940	0.764	0.382	0.266	2.602	1.519	1.406	4.037	2.019	0.398	3.017
C1S-507_C1S-518	C1S-507	C1S-518	6	127.56	126.61	0.33	-0.160	0.814	0.679	0.340	0.272	3.042	0.299	1.196	1.598	0.799	0.399	3.213
C1S-508_C1S-507	C1S-508	C1S-507	6	127.87	127.56	0.28	-0.129	0.951	0.743	0.372	0.269	2.789	0.604	1.410	2.208	1.104	0.398	3.064
C1S-509_C1S-504	C1S-509	C1S-504	8	120.34	118.58	0.77	-0.607	0.003	0.090	0.060	0.002	0.325	-0.607	0.003	0.090	0.060	0.002	0.325
C1S-510_C1S-505	C1S-510	C1S-505	6	124.73	119.16	0.65	-0.433	0.008	0.133	0.067	0.005	0.759	-0.433	0.008	0.134	0.067	0.005	0.759
C1S-511_C1S-408	C1S-511	C1S-408	6	145.87	133.82	1.15	-0.400	0.021	0.201	0.101	0.024	1.999	0.874	0.021	2.748	1.374	0.024	1.872
C1S-512_C1S-511	C1S-512	C1S-511	6	146.89	145.87	0.28	-0.410	0.071	0.180	0.090	0.020	1.309	-0.410	0.071	0.180	0.090	0.020	1.310
C1S-513_C1S-512	C1S-513	C1S-512	6	147.55	146.89	0.28	-0.410	0.056	0.180	0.090	0.016	1.111	-0.410	0.056	0.180	0.090	0.016	1.112
C1S-514_C1S-513	C1S-514	C1S-513	6	149.52	147.55	0.40	-0.419	0.032	0.161	0.081	0.013	1.169	-0.419	0.032	0.162	0.081	0.013	1.169
C1S-515_C1S-516	C1S-515	C1S-516	6	136.49	128.46	0.69	-0.459	0.008	0.083	0.041	0.006	1.373	-0.459	0.008	0.083	0.041	0.006	1.373
C1S-516_C1S-501	C1S-516	C1S-501	6	128.46	124.14	0.76	-0.433	0.014	0.134	0.067	0.011	1.434	-0.433	0.014	0.134	0.067	0.011	1.435
C1S-517_C1S-520	C1S-517	C1S-520	6	130.49	124	0.62	-0.436	0.013	0.129	0.065	0.008	1.116	-0.435	0.013	0.129	0.065	0.008	1.116
C1S-518_C1S-215	C1S-518	C1S-215	6	126.61	123.6	0.55	-0.245	0.498	0.510	0.255	0.273	4.275	-0.178	0.728	0.645	0.322	0.400	4.677
C1S-519_C1S-216	C1S-519	C1S-216	6	120.32	117.35	0.49	-0.452	0.012	0.095	0.048	0.006	1.099	-0.452	0.012	0.095	0.048	0.006	1.099
C1S-520_C1S-613	C1S-520	C1S-613	6	124	122.8	0.36	-0.429	0.036	0.143	0.072	0.013	1.226	-0.428	0.036	0.143	0.072	0.013	1.227
C1S-601_C1S-602	C1S-601	C1S-602	6	122.07	120.26	0.40	-0.366	0.047	0.268	0.134	0.019	0.983	-0.366	0.047	0.269	0.134	0.019	0.984
C1S-602_C1S-603	C1S-602	C1S-603	6	120.26	119.15	0.28	-0.366	0.159	0.268	0.134	0.044	1.638	-0.366	0.159	0.269	0.134	0.044	1.639

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
C1S-603_C1S-604	C1S-603	C1S-604	6	119.15	110.9	0.69	-0.255	0.140	0.489	0.245	0.097	2.259	-0.255	0.140	0.490	0.245	0.097	2.260
C1S-604_C1S-605	C1S-604	C1S-605	8	110.9	109.17	0.68	-0.421	0.289	0.368	0.246	0.196	2.612	-0.421	0.290	0.369	0.246	0.197	2.613
C1S-605_C1S-310	C1S-605	C1S-310	6	109.17	102.22	0.59	-0.325	0.235	0.351	0.175	0.138	3.644	-0.324	0.235	0.351	0.176	0.139	3.645
C1S-605_C2S-413	C1S-605	C2S-413	8	109.17	107.66	0.71	-0.497	0.134	0.255	0.170	0.095	2.145	-0.497	0.134	0.255	0.170	0.095	2.146
C1S-607_C1S-604	C1S-607	C1S-604	8	113.46	110.9	0.77	-0.422	0.125	0.367	0.245	0.096	1.657	-0.422	0.125	0.368	0.245	0.096	1.657
C1S-608_C1S-610	C1S-608	C1S-610	6	116.96	115.86	0.54	-0.426	0.033	0.148	0.074	0.018	1.719	-0.426	0.034	0.149	0.074	0.018	1.720
C1S-609_C1S-603	C1S-609	C1S-603	6	122.02	119.15	0.38	-0.374	0.126	0.252	0.126	0.048	1.973	-0.374	0.126	0.252	0.126	0.048	1.974
C1S-610_C1S-611	C1S-610	C1S-611	6	115.86	113.76	0.38	-0.410	0.048	0.180	0.090	0.018	1.328	-0.410	0.048	0.180	0.090	0.018	1.328
C1S-611_C1S-612	C1S-611	C1S-612	6	113.76	112.81	0.38	-0.406	0.071	0.189	0.095	0.027	1.676	-0.405	0.071	0.189	0.095	0.027	1.676
C1S-612_C1S-605	C1S-612	C1S-605	6	112.81	109.17	0.42	-0.336	0.079	0.329	0.164	0.033	1.259	-0.335	0.079	0.329	0.165	0.033	1.259
C1S-613_C1S-615	C1S-613	C1S-615	6	122.8	121.2	0.36	-0.406	0.044	0.189	0.094	0.016	1.139	-0.406	0.044	0.189	0.095	0.016	1.140
C1S-614_C1S-609	C1S-614	C1S-609	6	128.04	122.02	0.52	-0.381	0.030	0.239	0.119	0.016	1.021	-0.381	0.030	0.239	0.119	0.016	1.022
C1S-615_C1S-602	C1S-615	C1S-602	6	121.2	120.26	0.28	-0.366	0.077	0.268	0.134	0.022	0.994	-0.366	0.077	0.269	0.134	0.022	0.995
C2S-101_B2S-407	C2S-101	B2S-407	8	94.36	90.25	1.03	-0.471	0.127	0.293	0.196	0.131	2.708	-0.471	0.127	0.294	0.196	0.131	2.708
C2S-102_C2S-101	C2S-102	C2S-101	8	100.49	94.36	2.22	-0.507	0.056	0.240	0.160	0.125	3.878	-0.507	0.056	0.240	0.160	0.125	3.880
C2S-103_C2S-102	C2S-103	C2S-102	8	102.39	100.49	0.59	-0.465	0.201	0.303	0.202	0.119	2.079	-0.464	0.201	0.303	0.202	0.119	2.080
C2S-104_C2S-103	C2S-104	C2S-103	8	104.29	102.39	0.64	-0.465	0.173	0.303	0.202	0.110	2.010	-0.465	0.174	0.303	0.202	0.111	2.011
C2S-105_C2S-107	C2S-105	C2S-107	12	103.2	99.6	2.89	-0.459	0.543	0.541	0.541	1.570	5.702	-0.423	0.603	0.577	0.577	1.745	5.850
C2S-106_C2S-109	C2S-106	C2S-109	6	102.71	100.75	0.36	-0.424	0.027	0.152	0.076	0.010	0.974	-0.424	0.027	0.151	0.076	0.010	0.981
C2S-107_C2S-108	C2S-107	C2S-108	12	99.6	98	2.78	-0.459	0.569	0.541	0.541	1.584	5.669	-0.423	0.632	0.577	0.577	1.759	5.811
C2S-108_C2S-111	C2S-108	C2S-111	12	98	96.9	2.92	-0.464	0.542	0.536	0.536	1.583	5.786	-0.428	0.602	0.572	0.572	1.758	5.932
C2S-109_C2S-107	C2S-109	C2S-107	6	100.75	99.6	0.28	0.041	0.055	1.082	0.541	0.016	0.495	0.077	0.056	1.155	0.577	0.016	0.495
C2S-110_B2S-411	C2S-110	B2S-411	12	93.8	90.8	2.77	-0.455	0.570	0.545	0.545	1.577	5.602	-0.418	0.633	0.582	0.582	1.751	5.740
C2S-111_C2S-110	C2S-111	C2S-110	12	96.9	93.8	2.82	-0.458	0.561	0.542	0.542	1.581	5.673	-0.422	0.623	0.578	0.578	1.756	5.815
C2S-201_C2S-303	C2S-201	C2S-303	6	88.68	88.42	0.13	-0.387	0.031	0.226	0.113	0.004	0.291	-0.387	0.031	0.227	0.113	0.004	0.286
C2S-202_C2S-206	C2S-202	C2S-206	6	100.1	98.39	0.33	-0.385	0.086	0.229	0.115	0.029	1.448	-0.385	0.086	0.230	0.115	0.029	1.449
C2S-203_C2S-202	C2S-203	C2S-202	6	102.21	100.1	0.34	-0.401	0.065	0.198	0.099	0.022	1.342	-0.401	0.065	0.198	0.099	0.022	1.342
C2S-204_C2S-206	C2S-204	C2S-206	6	100.27	98.39	0.40	-0.385	0.015	0.229	0.115	0.006	0.461	-0.385	0.015	0.230	0.115	0.006	0.461
C2S-205_C2S-202	C2S-205	C2S-202	6	101.33	100.1	0.33	-0.401	0.009	0.198	0.099	0.003	0.294	-0.401	0.009	0.198	0.099	0.003	0.294
C2S-206_C2S-209	C2S-206	C2S-209	6	98.39	96	0.33	-0.332	0.116	0.335	0.168	0.039	1.315	-0.332	0.117	0.336	0.168	0.039	1.316
C2S-207_C2S-208	C2S-207	C2S-208	6	99.66	93.2	0.55	-0.332	0.009	0.335	0.168	0.005	0.323	-0.332	0.009	0.336	0.168	0.005	0.324
C2S-208_C2S-210	C2S-208	C2S-210	8	93.2	90.2	1.02	-0.499	0.139	0.252	0.168	0.142	3.194	-0.499	0.139	0.252	0.168	0.142	3.196
C2S-209_C2S-208	C2S-209	C2S-208	8	96	93.2	0.97	-0.499	0.139	0.252	0.168	0.135	3.031	-0.499	0.139	0.252	0.168	0.135	3.032
C2S-210_B2S-515	C2S-210	B2S-515	8	90.2	86.5	1.05	-0.490	0.136	0.265	0.177	0.142	3.112	-0.490	0.136	0.265	0.177	0.143	3.113
C2S-211_C2S-209	C2S-211	C2S-209	8	98.3	96	0.94	-0.499	0.097	0.251	0.168	0.091	2.319	-0.499	0.097	0.252	0.168	0.092	2.319
C2S-301_C2S-302	C2S-301	C2S-302	6	86.78	86.32	0.31	-0.425	0.035	0.149	0.075	0.011	1.012	-0.425	0.035	0.149	0.075	0.011	1.013
C2S-302_C2S-307	C2S-302	C2S-307	6	86.32	85.33	0.31	-0.399	0.048	0.202	0.101	0.015	0.983	-0.399	0.048	0.203	0.101	0.015	0.983
C2S-303_C2S-304	C2S-303	C2S-304	6	88.42	86.89	0.28	-0.353	0.114	0.295	0.147	0.031	1.186	-0.352	0.114	0.295	0.148	0.031	1.187
C2S-304_C2S-307	C2S-304	C2S-307	6	86.89	85.33	0.28	-0.353	0.191	0.295	0.148	0.053	1.729	-0.352	0.191	0.295	0.148	0.053	1.730
C2S-305_B2S-613	C2S-305	B2S-613	6	89.99	88.44	0.38	-0.450	0.010	0.100	0.050	0.004	0.735	-0.450	0.010	0.100	0.050	0.004	0.736
C2S-306_C2S-304	C2S-306	C2S-304	6	93	86.89	0.59	-0.353	0.030	0.295	0.147	0.018	0.948	-0.352	0.031	0.295	0.148	0.018	0.949
C2S-307_C2S-308	C2S-307	C2S-308	8	85.33	78.87	1.46	-0.554	0.050	0.169	0.113	0.073	3.140	-0.554	0.050	0.169	0.113	0.073	3.141
C2S-308_B2S-603	C2S-308	B2S-603	8	78.87	75.2	1.88	-0.442	0.061	0.337	0.225	0.115	2.572	-0.442	0.062	0.338	0.225	0.115	2.574
C2S-309_C3S-111	C2S-309	C3S-111	6	94.9	90.8	0.40	-0.435	0.024	0.130	0.065	0.010	1.145	-0.435	0.024	0.130	0.065	0.010	1.145
C2S-310_C2S-311	C2S-310	C2S-311	6	91.19	89.82	0.28	-0.403	0.064	0.195	0.097	0.018	1.137	-0.403	0.064	0.195	0.098	0.018	1.137
C2S-311_C2S-303	C2S-311	C2S-303	6	89.82	88.42	0.28	-0.387	0.084	0.226	0.113	0.023	1.188	-0.387	0.084	0.227	0.113	0.023	1.189
C2S-312_C2S-306	C2S-312	C2S-306	6	94.15	93	0.25	-0.418	0.059	0.164	0.082	0.015	1.163	-0.418	0.059	0.164	0.082	0.015	1.163
C2S-313_C2S-312	C2S-313	C2S-312	6	96.79	94.15	0.45	-0.418	0.006	0.164	0.082	0.003	0.380	-0.418	0.006	0.164	0.082	0.003	0.380
C2S-314_C2S-312	C2S-314	C2S-312	6	96.26	94.15	0.38	-0.418	0.019	0.164	0.082	0.007	0.728	-0.418	0.019	0.164	0.082	0.007	0.728
C2S-401_C1S-611	C2S-401	C1S-611	6	116.79	113.76	0.45	-0.410	0.013	0.180	0.090	0.006	0.613	-0.410	0.013	0.180	0.090	0.006	0.613
C2S-403_C2S-104	C2S-403	C2S-104	8	106.13	104.29	0.71	-0.480	0.144	0.281	0.187	0.102	2.090	-0.479	0.144	0.281	0.188	0.102	2.091

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
C2S-404_C2S-406	C2S-404	C2S-406	6	112.24	110.3	0.33	0.017	0.110	1.034	0.517	0.037	0.773	0.051	0.110	1.103	0.551	0.037	0.775
C2S-405_C2S-404	C2S-405	C2S-404	6	115.11	112.24	0.36	-0.389	0.091	0.223	0.111	0.033	1.648	-0.389	0.091	0.223	0.111	0.033	1.649
C2S-406_C2S-409	C2S-406	C2S-409	12	110.3	106.8	2.97	-0.482	0.528	0.518	0.518	1.567	5.920	-0.448	0.587	0.552	0.552	1.742	6.076
C2S-407_C2S-406	C2S-407	C2S-406	12	111.4	110.3	2.21	-0.388	0.692	0.612	0.612	1.529	4.709	-0.341	0.771	0.659	0.659	1.705	4.816
C2S-408_C2S-407	C2S-408	C2S-407	12	115	111.4	2.67	-0.388	0.574	0.612	0.612	1.531	5.011	-0.341	0.640	0.659	0.659	1.707	5.127
C2S-409_C2S-105	C2S-409	C2S-105	12	106.8	103.2	2.96	-0.474	0.529	0.526	0.526	1.568	5.859	-0.439	0.588	0.561	0.561	1.743	6.011
C2S-410_C2S-106	C2S-410	C2S-106	6	106.54	102.71	0.46	-0.443	0.009	0.113	0.057	0.004	0.695	-0.443	0.009	0.113	0.057	0.004	0.696
C2S-411_C2S-405	C2S-411	C2S-405	6	119.03	115.11	0.42	-0.399	0.056	0.203	0.102	0.024	1.496	-0.398	0.056	0.203	0.102	0.024	1.497
C2S-412_C2S-408	C2S-412	C2S-408	12	118.8	115	2.72	-0.456	0.562	0.544	0.544	1.527	5.455	-0.417	0.627	0.583	0.583	1.703	5.597
C2S-413_C2S-403	C2S-413	C2S-403	8	107.66	106.13	0.70	-0.496	0.143	0.255	0.170	0.100	2.213	-0.496	0.143	0.256	0.171	0.101	2.214
C2S-501_C2S-203	C2S-501	C2S-203	6	104.57	102.21	0.33	-0.414	0.044	0.172	0.086	0.015	1.151	-0.414	0.044	0.172	0.086	0.015	1.152
C2S-502_C2S-501	C2S-502	C2S-501	6	107.06	104.57	0.40	-0.429	0.015	0.142	0.071	0.006	0.733	-0.429	0.015	0.142	0.071	0.006	0.733
C2S-503_C2S-501	C2S-503	C2S-501	6	105.49	104.57	0.40	-0.429	0.012	0.142	0.071	0.005	0.637	-0.429	0.012	0.142	0.071	0.005	0.637
C2S-504_C2S-505	C2S-504	C2S-505	8	109.86	108.18	0.74	-0.524	0.101	0.214	0.143	0.074	2.105	-0.524	0.101	0.215	0.143	0.075	2.106
C2S-505_C2S-510	C2S-505	C2S-510	8	108.18	103.11	1.31	-0.521	0.059	0.219	0.146	0.078	2.565	-0.521	0.059	0.219	0.146	0.078	2.567
C2S-506_C2S-507	C2S-506	C2S-507	6	109.64	105.34	0.56	-0.453	0.012	0.095	0.048	0.007	1.279	-0.452	0.012	0.095	0.048	0.007	1.280
C2S-507_C2S-509	C2S-507	C2S-509	6	105.34	101.12	0.57	-0.418	0.019	0.164	0.082	0.011	1.107	-0.418	0.019	0.164	0.082	0.011	1.107
C2S-508_C2S-509	C2S-508	C2S-509	6	101.33	101.12	0.25	-0.418	0.008	0.164	0.082	0.002	0.242	-0.418	0.008	0.164	0.082	0.002	0.242
C2S-509_C2S-607	C2S-509	C2S-607	6	101.12	100.35	0.25	-0.414	0.058	0.171	0.086	0.015	1.054	-0.414	0.059	0.172	0.086	0.015	1.054
C2S-510_C2S-516	C2S-510	C2S-516	8	103.11	101.5	0.81	-0.521	0.105	0.219	0.146	0.086	2.349	-0.520	0.106	0.219	0.146	0.086	2.350
C2S-511_C2S-513	C2S-511	C2S-513	6	113.32	111.47	0.31	-0.384	0.100	0.233	0.116	0.031	1.466	-0.384	0.100	0.233	0.116	0.031	1.467
C2S-512_C2S-510	C2S-512	C2S-510	6	105	103.11	0.36	-0.354	0.014	0.292	0.146	0.005	0.317	-0.354	0.014	0.292	0.146	0.005	0.316
C2S-513_C2S-504	C2S-513	C2S-504	6	111.47	109.86	0.31	-0.358	0.120	0.285	0.143	0.037	1.415	-0.357	0.120	0.286	0.143	0.037	1.415
C2S-515_C2S-511	C2S-515	C2S-511	6	115.02	113.32	0.28	-0.394	0.088	0.213	0.106	0.025	1.315	-0.394	0.088	0.213	0.107	0.025	1.315
C2S-516_C2S-211	C2S-516	C2S-211	8	101.5	98.3	0.94	-0.526	0.094	0.211	0.141	0.089	2.593	-0.526	0.094	0.211	0.141	0.089	2.594
C2S-517_C2S-610	C2S-517	C2S-610	6	94.05	93.15	0.25	-0.428	0.016	0.144	0.072	0.004	0.496	-0.428	0.016	0.144	0.072	0.004	0.496
C2S-601_C2S-602	C2S-601	C2S-602	6	97.49	95.3	0.38	-0.216	0.333	0.568	0.284	0.126	2.064	-0.216	0.333	0.568	0.284	0.126	2.064
C2S-602_C3S-410	C2S-602	C3S-410	6	95.3	93.57	0.28	-0.216	0.618	0.568	0.284	0.175	2.493	-0.216	0.619	0.568	0.284	0.175	2.494
C2S-603_C2S-601	C2S-603	C2S-601	6	99.34	97.49	0.33	-0.294	0.356	0.413	0.206	0.119	2.418	-0.294	0.357	0.413	0.206	0.119	2.419
C2S-604_C2S-606	C2S-604	C2S-606	6	102.99	101.82	0.38	-0.439	0.021	0.122	0.061	0.008	1.019	-0.439	0.021	0.122	0.061	0.008	1.019
C2S-605_C2S-604	C2S-605	C2S-604	6	104.31	102.99	0.40	-0.450	0.012	0.099	0.050	0.005	0.879	-0.450	0.012	0.099	0.050	0.005	0.880
C2S-606_C2S-608	C2S-606	C2S-608	6	101.82	99.18	0.40	-0.384	0.032	0.231	0.116	0.013	0.838	-0.384	0.032	0.232	0.116	0.013	0.839
C2S-607_C2S-608	C2S-607	C2S-608	6	100.35	99.18	0.28	-0.384	0.065	0.231	0.116	0.018	0.972	-0.384	0.065	0.232	0.116	0.018	0.973
C2S-608_C2S-609	C2S-608	C2S-609	6	99.18	97.91	0.31	-0.384	0.118	0.232	0.116	0.037	1.649	-0.384	0.119	0.232	0.116	0.037	1.650
C2S-609_C2S-602	C2S-609	C2S-602	6	97.91	95.3	0.38	-0.216	0.113	0.568	0.284	0.043	0.902	-0.216	0.114	0.568	0.284	0.043	0.903
C2S-610_C2S-310	C2S-610	C2S-310	6	93.15	91.19	0.31	-0.415	0.045	0.171	0.085	0.014	1.092	-0.415	0.045	0.171	0.085	0.014	1.093
C2S-611_C2S-610	C2S-611	C2S-610	6	95.82	93.15	0.38	-0.428	0.015	0.144	0.072	0.006	0.715	-0.428	0.015	0.144	0.072	0.006	0.715
C2S-612_C3S-407	C2S-612	C3S-407	6	96.41	93.81	0.38	-0.444	0.015	0.113	0.056	0.006	0.892	-0.444	0.016	0.113	0.056	0.006	0.893
C3S-101_C2S-301	C3S-101	C2S-301	6	89.24	86.78	0.40	-0.436	0.019	0.128	0.064	0.008	0.988	-0.436	0.019	0.128	0.064	0.008	0.988
C3S-102_C3S-201	C3S-102	C3S-201	6	80.07	78.84	0.38	-0.154	0.026	0.693	0.346	0.010	0.238	-0.154	0.026	0.693	0.346	0.010	0.240
C3S-103_C3S-105	C3S-103	C3S-105	6	82.73	81.43	0.25	-0.381	0.121	0.237	0.119	0.031	1.338	-0.381	0.121	0.238	0.119	0.031	1.338
C3S-104_C3S-103	C3S-104	C3S-103	6	84.54	82.73	0.46	-0.383	0.009	0.234	0.117	0.004	0.325	-0.383	0.009	0.234	0.117	0.004	0.325
C3S-105_C2S-308	C3S-105	C2S-308	6	81.43	78.87	0.31	-0.381	0.125	0.239	0.119	0.039	1.671	-0.381	0.125	0.239	0.120	0.039	1.672
C3S-106_B3S-407	C3S-106	B3S-407	6	79.09	78.46	0.28	-0.415	0.014	0.170	0.085	0.004	0.416	-0.395	0.014	0.210	0.105	0.004	0.337
C3S-107_C3S-108	C3S-107	C3S-108	6	81.29	80.66	0.28	-0.443	0.014	0.115	0.057	0.004	0.601	-0.443	0.014	0.115	0.058	0.004	0.601
C3S-108_C3S-102	C3S-108	C3S-102	6	80.66	80.07	0.28	-0.441	0.028	0.119	0.059	0.008	0.954	-0.441	0.028	0.119	0.059	0.008	0.955
C3S-109_C3S-201	C3S-109	C3S-201	6	81.6	78.84	0.40	-0.154	0.626	0.693	0.346	0.250	2.942	-0.154	0.626	0.693	0.346	0.250	2.942
C3S-110_C3S-109	C3S-110	C3S-109	6	84.65	81.6	0.40	-0.213	0.607	0.573	0.287	0.242	3.266	-0.213	0.607	0.573	0.287	0.242	3.266
C3S-111_C3S-103	C3S-111	C3S-103	6	90.8	82.73	0.54	-0.383	0.036	0.234	0.117	0.019	1.234	-0.383	0.036	0.234	0.117	0.019	1.234
C3S-112_C3S-110	C3S-112	C3S-110	6	87.08	84.65	0.36	-0.203	0.661	0.594	0.297	0.236	3.017	-0.203	0.662	0.594	0.297	0.237	3.018
C3S-113_C3S-202	C3S-113	C3S-202	6	84.66	81.71	0.40	-0.381	0.125	0.238	0.119	0.050	2.152	-0.381	0.125	0.239	0.119	0.050	2.153

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
C3S-201_C3S-203	C3S-201	C3S-203	8	78.84	77.86	0.49	-0.321	0.533	0.519	0.346	0.263	2.289	-0.320	0.533	0.519	0.346	0.263	2.288
C3S-202_C3S-203	C3S-202	C3S-203	6	81.71	77.86	0.47	-0.166	0.120	0.667	0.334	0.057	1.029	-0.166	0.120	0.667	0.334	0.057	1.028
C3S-203_C3S-204	C3S-203	C3S-204	8	77.86	76.13	0.65	0.241	0.500	1.362	0.908	0.325	1.439	0.242	0.500	1.363	0.909	0.325	1.439
C3S-204_C3S-209	C3S-204	C3S-209	15	76.13	75.65	1.73	-0.342	0.923	0.726	0.908	1.597	2.882	-0.341	0.923	0.727	0.909	1.597	2.867
C3S-205_C3S-211	C3S-205	C3S-211	30	72.5	71.18	14.30	-1.176	0.556	0.530	1.324	7.941	5.184	-1.035	0.656	0.586	1.465	9.376	5.440
C3S-206_C3S-205	C3S-206	C3S-205	30	74.94	72.5	30.16	-1.176	0.263	0.530	1.324	7.929	5.763	-1.035	0.310	0.586	1.465	9.356	5.985
C3S-207_C3S-204	C3S-207	C3S-204	10	80.07	76.13	1.62	0.074	0.776	1.089	0.908	1.258	3.774	0.076	0.776	1.091	0.909	1.258	3.772
C3S-208_C3S-307	C3S-208	C3S-307	6	82.2	81.36	0.33	-0.430	0.012	0.140	0.070	0.004	0.523	-0.430	0.012	0.140	0.070	0.004	0.523
C3S-209_C3S-210	C3S-209	C3S-210	15	75.65	75.44	2.08	-0.460	0.774	0.632	0.790	1.606	3.113	-0.455	0.781	0.636	0.795	1.622	3.120
C3S-210_B3S-501	C3S-210	B3S-501	15	75.44	74.71	2.29	-0.489	0.700	0.609	0.761	1.604	3.696	-0.484	0.707	0.613	0.766	1.621	3.708
C3S-211_B3S-503	C3S-211	B3S-503	30	71.18	70.5	17.63	-1.325	0.451	0.470	1.175	7.943	5.438	-1.212	0.532	0.515	1.289	9.381	5.740
C3S-212_C3S-207	C3S-212	C3S-207	6	86.97	85.25	0.38	-0.460	0.013	0.080	0.040	0.005	1.034	-0.460	0.013	0.080	0.040	0.005	1.034
C3S-213_C3S-206	C3S-213	C3S-206	30	77.5	74.94	30.10	-1.582	0.263	0.367	0.918	7.924	7.739	-1.490	0.311	0.404	1.011	9.349	8.056
C3S-214_C3S-207	C3S-214	C3S-207	10	87.3	85.25	1.41	-0.229	0.877	0.726	0.605	1.240	4.535	-0.228	0.877	0.726	0.605	1.240	4.536
C3S-215_C3S-209	C3S-215	C3S-209	6	77.69	75.65	0.31	0.290	0.040	1.580	0.790	0.012	0.368	0.295	0.086	1.590	0.795	0.027	0.558
C3S-216_C3S-217	C3S-216	C3S-217	6	84.64	80.43	0.49	-0.441	0.020	0.119	0.059	0.010	1.316	-0.441	0.020	0.119	0.059	0.010	1.317
C3S-217_C3S-204	C3S-217	C3S-204	6	80.43	76.13	0.52	0.408	0.030	1.815	0.908	0.016	0.254	0.409	0.030	1.818	0.909	0.016	0.253
C3S-301_C3S-212	C3S-301	C3S-212	6	88.25	86.97	0.39	-0.460	0.008	0.080	0.040	0.003	0.736	-0.460	0.008	0.080	0.040	0.003	0.736
C3S-303_C3S-307	C3S-303	C3S-307	6	82.59	81.36	0.31	-0.430	0.022	0.140	0.070	0.007	0.780	-0.430	0.022	0.140	0.070	0.007	0.780
C3S-304_C3S-303	C3S-304	C3S-303	6	83.32	82.59	0.31	-0.449	0.012	0.103	0.052	0.004	0.679	-0.449	0.013	0.103	0.052	0.004	0.679
C3S-305_B3S-501	C3S-305	B3S-501	6	76.13	74.71	0.25	-0.235	0.037	0.530	0.265	0.009	0.565	-0.230	0.079	0.540	0.270	0.020	0.709
C3S-307_C3S-207	C3S-307	C3S-207	8	81.36	80.07	0.57	-0.112	0.026	0.832	0.555	0.015	0.170	-0.112	0.026	0.833	0.555	0.015	0.176
C3S-401_C3S-402	C3S-401	C3S-402	6	98.88	96.26	0.40	-0.407	0.062	0.187	0.093	0.025	1.620	-0.407	0.062	0.187	0.093	0.025	1.621
C3S-402_C3S-405	C3S-402	C3S-405	6	96.26	93.44	0.40	-0.406	0.077	0.187	0.094	0.031	1.868	-0.406	0.077	0.188	0.094	0.031	1.869
C3S-403_C3S-404	C3S-403	C3S-404	6	101.46	98.25	0.40	-0.172	0.511	0.656	0.328	0.204	2.657	-0.171	0.512	0.657	0.329	0.205	2.657
C3S-404_C3S-502	C3S-404	C3S-502	6	98.25	96.77	0.28	0.031	0.774	1.061	0.531	0.214	1.861	0.031	0.776	1.062	0.531	0.215	1.858
C3S-405_C3S-406	C3S-405	C3S-406	6	93.44	87.72	0.56	-0.390	0.061	0.220	0.110	0.035	2.009	-0.390	0.062	0.220	0.110	0.035	2.010
C3S-406_C3S-113	C3S-406	C3S-113	6	87.72	84.66	0.40	-0.381	0.107	0.238	0.119	0.043	1.950	-0.381	0.107	0.238	0.119	0.043	1.951
C3S-407_C3S-408	C3S-407	C3S-408	6	93.81	90.8	0.40	-0.426	0.027	0.148	0.074	0.011	1.105	-0.426	0.027	0.149	0.074	0.011	1.106
C3S-408_C3S-409	C3S-408	C3S-409	6	90.8	89.31	0.40	-0.209	0.044	0.582	0.291	0.018	0.489	-0.209	0.044	0.582	0.291	0.018	0.490
C3S-409_C3S-112	C3S-409	C3S-112	6	89.31	87.08	0.36	-0.203	0.642	0.593	0.297	0.229	2.960	-0.203	0.642	0.593	0.297	0.229	2.960
C3S-410_C3S-411	C3S-410	C3S-411	6	93.57	91.45	0.38	-0.236	0.533	0.529	0.264	0.202	3.003	-0.235	0.533	0.529	0.265	0.202	3.004
C3S-411_C3S-409	C3S-411	C3S-409	6	91.45	89.31	0.38	-0.209	0.550	0.582	0.291	0.209	2.882	-0.209	0.551	0.582	0.291	0.209	2.883
C3S-412_C3S-410	C3S-412	C3S-410	6	96.19	93.57	0.38	-0.241	0.057	0.518	0.259	0.022	0.584	-0.241	0.057	0.519	0.259	0.022	0.584
C3S-501_C3S-502	C3S-501	C3S-502	6	99.69	96.77	0.40	0.031	0.047	1.061	0.531	0.019	0.303	0.031	0.047	1.062	0.531	0.019	0.302
C3S-502_C3S-507	C3S-502	C3S-507	10	96.77	94.49	1.68	-0.239	0.724	0.713	0.594	1.215	4.811	-0.239	0.725	0.713	0.594	1.216	4.812
C3S-503_C3S-502	C3S-503	C3S-502	10	99.23	96.77	1.50	-0.303	0.653	0.637	0.531	0.981	4.313	-0.302	0.653	0.637	0.531	0.982	4.313
C3S-504_C3S-505	C3S-504	C3S-505	6	97.04	94.8	0.40	-0.449	0.010	0.102	0.051	0.004	0.738	-0.449	0.010	0.102	0.051	0.004	0.739
C3S-505_C3S-508	C3S-505	C3S-508	6	94.8	92.67	0.36	0.047	0.022	1.093	0.547	0.008	0.126	0.047	0.022	1.094	0.547	0.008	0.126
C3S-506_C3S-505	C3S-506	C3S-505	6	95.26	94.8	0.28	-0.449	0.010	0.102	0.051	0.003	0.543	-0.449	0.010	0.102	0.051	0.003	0.543
C3S-507_C3S-508	C3S-507	C3S-508	10	94.49	92.67	1.42	-0.239	0.857	0.713	0.594	1.219	4.545	-0.239	0.858	0.713	0.594	1.220	4.546
C3S-508_C3S-511	C3S-508	C3S-511	10	92.67	89.68	1.61	-0.268	0.765	0.679	0.565	1.230	4.921	-0.268	0.766	0.679	0.566	1.231	4.922
C3S-509_C3S-404	C3S-509	C3S-404	6	99.01	98.25	0.28	-0.172	0.015	0.656	0.328	0.004	0.179	-0.171	0.015	0.657	0.329	0.004	0.181
C3S-510_C3S-216	C3S-510	C3S-216	6	86.76	84.64	0.50	-0.451	0.011	0.097	0.049	0.006	1.088	-0.451	0.012	0.097	0.049	0.006	1.089
C3S-511_C3S-214	C3S-511	C3S-214	10	89.68	87.3	1.54	-0.229	0.801	0.726	0.605	1.238	4.666	-0.228	0.802	0.726	0.605	1.239	4.666
C3S-512_C3S-511	C3S-512	C3S-511	6	91.47	89.68	0.34	0.065	0.017	1.131	0.565	0.006	0.117	0.066	0.018	1.131	0.566	0.006	0.117
C3S-601_C3S-213	C3S-601	C3S-213	30	80.58	77.5	28.90	-1.606	0.274	0.358	0.894	7.920	7.785	-1.522	0.323	0.391	0.978	9.344	8.145
C3S-602_C3S-601	C3S-602	C3S-601	30	81.9	80.58	15.32	-1.231	0.517	0.508	1.269	7.916	5.270	-1.100	0.609	0.560	1.400	9.336	5.570
C4S-401_C3S-602	C4S-401	C3S-602	30	83.19	81.9	14.29	-1.176	0.553	0.530	1.324	7.906	4.824	-1.035	0.652	0.586	1.465	9.320	5.032
C4S-402_C4S-401	C4S-402	C4S-401	30	84.12	83.19	14.34	-1.176	0.551	0.530	1.324	7.893	4.637	-1.035	0.649	0.586	1.465	9.298	4.823
C4S-403_C4S-402	C4S-403	C4S-402	30	85	84.12	14.51	-1.177	0.543	0.529	1.323	7.883	4.648	-1.036	0.640	0.586	1.464	9.282	4.829

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
C4S-501_C4S-403	C4S-501	C4S-403	30	85.8	85	13.72	-1.151	0.574	0.540	1.349	7.872	4.624	-1.007	0.675	0.597	1.493	9.265	4.806
D1S-201_D1S-202	D1S-201	D1S-202	6	152.74	151.37	0.28	-0.443	0.025	0.113	0.057	0.007	0.906	-0.443	0.025	0.113	0.057	0.007	0.906
D1S-202_C1S-514	D1S-202	C1S-514	6	151.37	149.52	0.40	-0.438	0.027	0.123	0.062	0.011	1.287	-0.438	0.027	0.123	0.062	0.011	1.288
D1S-203_C1S-517	D1S-203	C1S-517	6	134.49	130.49	0.62	-0.461	0.006	0.078	0.039	0.004	1.045	-0.461	0.006	0.078	0.039	0.004	1.046
D1S-204_D1S-315	D1S-204	D1S-315	6	136.02	130	0.56	-0.452	0.005	0.097	0.048	0.003	0.685	-0.452	0.005	0.097	0.048	0.003	0.685
D1S-205_D1S-201	D1S-205	D1S-201	6	153.73	152.74	0.28	-0.446	0.017	0.107	0.054	0.005	0.745	-0.446	0.017	0.107	0.054	0.005	0.745
D1S-206_D1S-207	D1S-206	D1S-207	6	143.06	137.96	0.50	-0.450	0.010	0.100	0.050	0.005	0.937	-0.450	0.010	0.100	0.050	0.005	0.937
D1S-207_D1S-302	D1S-207	D1S-302	6	137.96	132.78	0.51	-0.442	0.021	0.117	0.058	0.011	1.438	-0.442	0.021	0.117	0.058	0.011	1.438
D1S-208_D1S-301	D1S-208	D1S-301	6	141.19	133.82	0.60	-0.467	0.003	0.066	0.033	0.002	0.738	-0.467	0.003	0.066	0.033	0.002	0.738
D1S-209_D1S-313	D1S-209	D1S-313	6	143.82	136.04	0.64	-0.376	0.037	0.248	0.124	0.024	1.429	-0.376	0.037	0.248	0.124	0.024	1.430
D1S-301_D1S-304	D1S-301	D1S-304	6	133.82	127.86	0.55	-0.446	0.009	0.108	0.054	0.005	0.908	-0.446	0.009	0.108	0.054	0.005	0.908
D1S-302_D1S-303	D1S-302	D1S-303	6	132.78	127.66	0.50	-0.425	0.029	0.151	0.075	0.015	1.456	-0.425	0.029	0.151	0.075	0.015	1.457
D1S-303_D1S-306	D1S-303	D1S-306	6	127.66	124.83	0.40	-0.413	0.049	0.174	0.087	0.020	1.470	-0.413	0.049	0.175	0.087	0.020	1.471
D1S-304_D1S-305	D1S-304	D1S-305	6	127.86	125.18	0.36	-0.442	0.025	0.115	0.058	0.009	1.145	-0.442	0.025	0.116	0.058	0.009	1.145
D1S-305_D1S-307	D1S-305	D1S-307	6	125.18	121.72	0.42	-0.442	0.028	0.116	0.058	0.012	1.458	-0.442	0.028	0.116	0.058	0.012	1.459
D1S-306_C1S-609	D1S-306	C1S-609	6	124.83	122.02	0.40	-0.381	0.067	0.239	0.119	0.027	1.407	-0.381	0.067	0.239	0.119	0.027	1.408
D1S-307_C1S-608	D1S-307	C1S-608	6	121.72	116.96	0.54	-0.437	0.028	0.125	0.063	0.015	1.733	-0.437	0.028	0.126	0.063	0.015	1.734
D1S-308_D2S-101	D1S-308	D2S-101	6	124.16	122.61	0.31	-0.442	0.013	0.116	0.058	0.004	0.614	-0.442	0.013	0.116	0.058	0.004	0.614
D1S-309_D2S-111	D1S-309	D2S-111	8	130.37	129.08	0.54	-0.421	0.280	0.369	0.246	0.152	2.042	-0.420	0.281	0.370	0.246	0.152	2.043
D1S-310_D1S-309	D1S-310	D1S-309	6	131.82	130.37	0.31	-0.256	0.481	0.487	0.244	0.149	2.455	-0.256	0.482	0.488	0.244	0.149	2.456
D1S-311_D1S-310	D1S-311	D1S-310	6	132.28	131.82	0.31	-0.256	0.464	0.487	0.244	0.143	2.364	-0.256	0.465	0.488	0.244	0.144	2.365
D1S-313_D1S-314	D1S-313	D1S-314	6	136.04	134.11	0.31	-0.367	0.136	0.266	0.133	0.042	1.633	-0.367	0.136	0.266	0.133	0.042	1.633
D1S-314_D1S-311	D1S-314	D1S-311	6	134.11	132.28	0.31	-0.261	0.156	0.479	0.239	0.048	1.108	-0.260	0.157	0.480	0.240	0.049	1.109
D1S-315_C1S-614	D1S-315	C1S-614	6	130	128.04	0.40	-0.441	0.020	0.119	0.059	0.008	1.058	-0.441	0.020	0.119	0.060	0.008	1.058
D1S-316_C1S-614	D1S-316	C1S-614	6	128.75	128.04	0.28	-0.441	0.021	0.119	0.059	0.006	0.775	-0.441	0.021	0.119	0.060	0.006	0.775
D1S-317_D1S-313	D1S-317	D1S-313	6	137.54	136.04	0.57	-0.376	0.023	0.248	0.124	0.013	0.852	-0.376	0.023	0.248	0.124	0.013	0.853
D1S-601_D1S-604	D1S-601	D1S-604	6	137.31	134.13	0.46	-0.315	0.164	0.370	0.185	0.075	2.115	-0.315	0.164	0.371	0.185	0.075	2.116
D1S-602_D1S-601	D1S-602	D1S-601	6	138.17	137.31	0.37	-0.363	0.157	0.273	0.137	0.059	2.121	-0.363	0.157	0.274	0.137	0.059	2.123
D1S-603_D1S-602	D1S-603	D1S-602	6	145.41	138.17	0.53	-0.366	0.009	0.267	0.134	0.005	0.348	-0.366	0.009	0.268	0.134	0.005	0.348
D1S-604_D1S-311	D1S-604	D1S-311	6	134.13	132.28	0.31	-0.261	0.295	0.479	0.239	0.091	1.763	-0.260	0.295	0.480	0.240	0.091	1.764
D1S-605_D1S-604	D1S-605	D1S-604	6	137.45	134.13	0.59	-0.315	0.023	0.370	0.185	0.014	0.601	-0.315	0.023	0.371	0.185	0.014	0.601
D1S-606_D1S-605	D1S-606	D1S-605	6	138.55	137.45	0.25	-0.447	0.023	0.105	0.053	0.006	0.825	-0.447	0.023	0.105	0.053	0.006	0.825
D1S-607_D1S-317	D1S-607	D1S-317	6	140.09	137.54	0.40	-0.441	0.030	0.118	0.059	0.012	1.405	-0.441	0.030	0.118	0.059	0.012	1.406
D1S-608_D1S-607	D1S-608	D1S-607	6	142.7	140.09	0.40	-0.441	0.024	0.118	0.059	0.010	1.241	-0.441	0.024	0.118	0.059	0.010	1.241
D1S-609_D1S-608	D1S-609	D1S-608	6	145.7	142.7	0.43	-0.446	0.007	0.107	0.054	0.003	0.583	-0.446	0.007	0.107	0.054	0.003	0.583
D1S-610_D1S-612	D1S-610	D1S-612	6	157.3	156.09	0.54	-0.452	0.018	0.096	0.048	0.010	1.601	-0.452	0.018	0.096	0.048	0.010	1.602
D1S-611_D1S-610	D1S-611	D1S-610	6	158.97	157.3	0.54	-0.453	0.007	0.093	0.047	0.004	0.861	-0.453	0.007	0.093	0.047	0.004	0.861
D1S-612_D1S-613	D1S-612	D1S-613	6	156.09	153.05	0.56	-0.424	0.019	0.152	0.076	0.011	1.193	-0.424	0.019	0.152	0.076	0.011	1.193
D1S-613_D1S-614	D1S-613	D1S-614	6	153.05	145.08	0.56	-0.409	0.050	0.183	0.092	0.029	2.032	-0.408	0.051	0.183	0.092	0.029	2.033
D1S-614_D1S-615	D1S-614	D1S-615	6	145.08	142.86	0.57	-0.399	0.073	0.201	0.101	0.041	2.431	-0.399	0.074	0.202	0.101	0.042	2.432
D1S-615_D1S-602	D1S-615	D1S-602	6	142.86	138.17	0.57	-0.366	0.089	0.267	0.134	0.051	2.229	-0.366	0.090	0.268	0.134	0.051	2.230
D2S-101_D2S-102	D2S-101	D2S-102	6	122.61	121.51	0.31	-0.431	0.028	0.138	0.069	0.009	0.940	-0.431	0.029	0.138	0.069	0.009	0.941
D2S-102_C2S-411	D2S-102	C2S-411	6	121.51	119.03	0.36	-0.420	0.041	0.160	0.080	0.015	1.243	-0.420	0.041	0.161	0.080	0.015	1.244
D2S-103_C2S-412	D2S-103	C2S-412	12	122.5	118.8	2.69	-0.461	0.566	0.539	0.539	1.522	5.467	-0.423	0.632	0.577	0.577	1.699	5.611
D2S-104_D2S-105	D2S-104	D2S-105	6	127.94	126.5	0.31	0.029	0.035	1.057	0.529	0.011	0.341	0.066	0.035	1.131	0.566	0.011	0.341
D2S-105_D2S-103	D2S-105	D2S-103	12	126.5	122.5	2.77	-0.461	0.548	0.539	0.539	1.520	5.515	-0.423	0.612	0.577	0.577	1.697	5.662
D2S-106_D2S-105	D2S-106	D2S-105	6	127.81	126.5	0.25	0.029	0.667	1.057	0.529	0.169	1.448	0.066	0.668	1.131	0.566	0.169	1.395
D2S-107_D1S-310	D2S-107	D1S-310	6	133.39	131.82	0.31	-0.256	0.010	0.487	0.244	0.003	0.109	-0.256	0.010	0.488	0.244	0.003	0.109
D2S-108_D2S-109	D2S-108	D2S-109	6	132.48	131.14	0.31	-0.425	0.032	0.150	0.075	0.010	0.946	-0.425	0.032	0.149	0.075	0.010	0.949
D2S-109_D2S-110	D2S-109	D2S-110	6	131.14	129.7	0.31	0.008	0.051	1.017	0.508	0.016	0.460	0.048	0.051	1.096	0.548	0.016	0.460
D2S-110_D2S-105	D2S-110	D2S-105	12	129.7	126.5	2.61	-0.472	0.513	0.529	0.529	1.338	5.033	-0.435	0.581	0.566	0.566	1.515	5.216

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
D2S-111_D2S-106	D2S-111	D2S-106	8	129.08	127.81	0.55	-0.371	0.293	0.444	0.296	0.160	1.837	-0.371	0.294	0.444	0.296	0.160	1.839
D2S-201_C2S-515	D2S-201	C2S-515	6	115.73	115.02	0.36	-0.401	0.055	0.199	0.100	0.020	1.271	-0.400	0.056	0.199	0.100	0.020	1.271
D2S-202_D2S-213	D2S-202	D2S-213	8	128.34	126.96	1.00	-0.618	0.010	0.073	0.049	0.010	1.384	-0.618	0.010	0.073	0.049	0.010	1.385
D2S-203_D2S-201	D2S-203	D2S-201	6	118.14	115.73	0.31	-0.420	0.013	0.161	0.080	0.004	0.455	-0.420	0.013	0.161	0.080	0.004	0.455
D2S-204_D2S-205	D2S-204	D2S-205	6	119.22	117.74	0.40	-0.438	0.010	0.124	0.062	0.004	0.617	-0.438	0.010	0.124	0.062	0.004	0.617
D2S-205_D2S-201	D2S-205	D2S-201	6	117.74	115.73	0.36	-0.420	0.033	0.161	0.080	0.012	1.062	-0.420	0.033	0.161	0.080	0.012	1.062
D2S-206_D2S-205	D2S-206	D2S-205	6	119.28	117.74	0.47	-0.438	0.010	0.124	0.062	0.005	0.758	-0.438	0.010	0.124	0.062	0.005	0.758
D2S-207_D2S-214	D2S-207	D2S-214	6	125.14	123.59	0.28	-0.435	0.017	0.130	0.065	0.005	0.635	-0.435	0.017	0.131	0.065	0.005	0.635
D2S-208_D2S-104	D2S-208	D2S-104	6	129.34	127.94	0.31	-0.438	0.016	0.124	0.062	0.005	0.678	-0.438	0.016	0.124	0.062	0.005	0.681
D2S-209_D2S-110	D2S-209	D2S-110	6	131.07	129.7	0.28	0.008	0.035	1.017	0.508	0.010	0.322	0.048	0.035	1.096	0.548	0.010	0.322
D2S-210_D2S-209	D2S-210	D2S-209	6	132.19	131.07	0.28	-0.439	0.014	0.122	0.061	0.004	0.570	-0.439	0.014	0.122	0.061	0.004	0.573
D2S-211_D2S-212	D2S-211	D2S-212	6	133.49	130.81	0.40	-0.458	0.010	0.084	0.042	0.004	0.866	-0.458	0.010	0.084	0.042	0.004	0.866
D2S-212_D2S-202	D2S-212	D2S-202	8	130.81	128.34	0.99	-0.620	0.008	0.070	0.047	0.008	1.222	-0.620	0.008	0.070	0.047	0.008	1.222
D2S-213_D2S-214	D2S-213	D2S-214	8	126.96	123.59	1.29	-0.602	0.011	0.098	0.065	0.014	1.486	-0.601	0.011	0.098	0.065	0.014	1.486
D2S-214_D2S-216	D2S-214	D2S-216	8	123.59	120.66	1.29	-0.586	0.020	0.121	0.081	0.026	1.919	-0.586	0.020	0.121	0.081	0.026	1.921
D2S-215_D2S-214	D2S-215	D2S-214	6	125.29	123.59	0.31	-0.435	0.022	0.130	0.065	0.007	0.824	-0.435	0.022	0.131	0.065	0.007	0.824
D2S-216_D2S-217	D2S-216	D2S-217	8	120.66	119.99	0.89	-0.586	0.031	0.121	0.081	0.028	1.787	-0.586	0.031	0.121	0.081	0.028	1.788
D2S-217_D2S-219	D2S-217	D2S-219	8	119.99	116.46	1.01	-0.586	0.031	0.122	0.081	0.032	2.046	-0.586	0.032	0.122	0.081	0.032	2.047
D2S-218_D2S-306	D2S-218	D2S-306	6	107.66	104.25	0.39	-0.441	0.010	0.118	0.059	0.004	0.645	-0.441	0.010	0.119	0.059	0.004	0.646
D2S-219_C2S-504	D2S-219	C2S-504	8	116.46	109.86	1.30	-0.524	0.027	0.214	0.143	0.035	1.456	-0.524	0.027	0.214	0.143	0.035	1.456
D2S-220_D2S-217	D2S-220	D2S-217	6	122.5	119.99	0.52	-0.419	0.007	0.162	0.081	0.004	0.506	-0.419	0.007	0.162	0.081	0.004	0.506
D2S-300_D2S-312	D2S-300	D2S-312	6	115.37	112.76	0.46	-0.350	0.052	0.299	0.150	0.024	1.092	-0.350	0.052	0.300	0.150	0.024	1.093
D2S-301_D3S-110	D2S-301	D3S-110	6	107.7	104.45	0.40	-0.441	0.012	0.117	0.059	0.005	0.773	-0.441	0.012	0.118	0.059	0.005	0.773
D2S-302_D2S-301	D2S-302	D2S-301	6	109.11	107.7	0.33	-0.461	0.006	0.078	0.039	0.002	0.544	-0.461	0.006	0.078	0.039	0.002	0.544
D2S-303_C2S-603	D2S-303	C2S-603	6	101.55	99.34	0.36	-0.294	0.314	0.412	0.206	0.113	2.398	-0.294	0.314	0.412	0.206	0.113	2.398
D2S-304_C3S-412	D2S-304	C3S-412	6	98.57	96.19	0.40	-0.419	0.042	0.162	0.081	0.017	1.390	-0.419	0.042	0.162	0.081	0.017	1.391
D2S-305_D2S-304	D2S-305	D2S-304	6	101.36	98.57	0.40	-0.431	0.027	0.139	0.069	0.011	1.163	-0.431	0.027	0.139	0.069	0.011	1.164
D2S-306_D2S-303	D2S-306	D2S-303	6	104.25	101.55	0.36	-0.308	0.030	0.384	0.192	0.011	0.440	-0.308	0.030	0.384	0.192	0.011	0.439
D2S-307_D2S-308	D2S-307	D2S-308	6	111.28	110.26	0.31	-0.363	0.022	0.275	0.138	0.007	0.423	-0.362	0.022	0.275	0.138	0.007	0.423
D2S-308_D2S-309	D2S-308	D2S-309	6	110.26	108.56	0.52	-0.360	0.166	0.281	0.140	0.086	3.011	-0.360	0.166	0.281	0.140	0.087	3.012
D2S-309_D2S-310	D2S-309	D2S-310	6	108.56	105.66	0.52	-0.346	0.172	0.309	0.155	0.090	2.873	-0.345	0.172	0.309	0.155	0.090	2.874
D2S-310_D2S-303	D2S-310	D2S-303	6	105.66	101.55	0.46	-0.308	0.208	0.384	0.192	0.095	2.426	-0.308	0.208	0.384	0.192	0.095	2.426
D2S-311_D2S-305	D2S-311	D2S-305	6	104.63	101.36	0.39	-0.444	0.010	0.112	0.056	0.004	0.678	-0.444	0.010	0.112	0.056	0.004	0.678
D2S-312_D2S-308	D2S-312	D2S-308	6	112.76	110.26	0.40	-0.350	0.196	0.300	0.150	0.078	2.455	-0.350	0.196	0.300	0.150	0.079	2.457
D2S-313_D2S-312	D2S-313	D2S-312	6	113.97	112.76	0.40	-0.350	0.015	0.299	0.150	0.006	0.356	-0.350	0.015	0.300	0.150	0.006	0.356
D2S-401_D2S-402	D2S-401	D2S-402	6	141.37	140.94	0.31	-0.465	0.009	0.069	0.035	0.003	0.766	-0.465	0.009	0.069	0.035	0.003	0.766
D2S-402_D2S-403	D2S-402	D2S-403	6	140.94	140.41	0.31	-0.456	0.010	0.088	0.044	0.003	0.640	-0.456	0.010	0.088	0.044	0.003	0.640
D2S-403_D2S-404	D2S-403	D2S-404	6	140.41	139.65	0.31	-0.445	0.016	0.110	0.055	0.005	0.761	-0.445	0.016	0.110	0.055	0.005	0.761
D2S-404_D2S-405	D2S-404	D2S-405	6	139.65	138.69	0.31	-0.436	0.026	0.128	0.064	0.008	0.931	-0.436	0.026	0.128	0.064	0.008	0.931
D2S-405_D1S-601	D2S-405	D1S-601	6	138.69	137.31	0.31	-0.363	0.035	0.273	0.137	0.011	0.596	-0.363	0.036	0.274	0.137	0.011	0.596
D2S-406_D1S-615	D2S-406	D1S-615	6	144.61	142.86	0.28	-0.399	0.021	0.201	0.101	0.006	0.485	-0.399	0.021	0.202	0.101	0.006	0.485
D2S-407_D2S-410	D2S-407	D2S-410	6	142.79	142.16	0.40	0.081	0.015	1.163	0.581	0.006	0.176	0.130	0.014	1.260	0.630	0.006	0.161
D2S-408_D2S-415	D2S-408	D2S-415	12	141.86	138.2	2.71	-0.521	0.452	0.479	0.479	1.223	5.143	-0.484	0.517	0.517	0.517	1.400	5.336
D2S-409_D2S-410	D2S-409	D2S-410	12	142.84	142.16	2.43	-0.419	0.500	0.581	0.581	1.216	4.274	-0.370	0.573	0.630	0.630	1.393	4.430
D2S-410_D2S-408	D2S-410	D2S-408	12	142.16	141.86	1.90	-0.419	0.642	0.581	0.581	1.222	4.010	-0.370	0.735	0.630	0.630	1.398	4.203
D2S-411_D2S-412	D2S-411	D2S-412	6	143.21	142.34	0.45	-0.467	0.006	0.066	0.033	0.003	0.904	-0.467	0.006	0.066	0.033	0.003	0.904
D2S-412_D2S-413	D2S-412	D2S-413	6	142.34	141.22	0.46	-0.460	0.009	0.080	0.040	0.004	0.948	-0.460	0.009	0.080	0.040	0.004	0.949
D2S-413_D2S-414	D2S-413	D2S-414	6	141.22	139.42	0.46	-0.442	0.013	0.117	0.058	0.006	0.918	-0.442	0.013	0.116	0.058	0.006	0.924
D2S-414_D2S-415	D2S-414	D2S-415	6	139.42	138.2	0.28	-0.021	0.032	0.958	0.479	0.009	0.266	0.017	0.032	1.033	0.517	0.009	0.261
D2S-415_D2S-417	D2S-415	D2S-417	12	138.2	134.2	2.78	-0.521	0.464	0.479	0.479	1.291	5.386	-0.484	0.528	0.517	0.517	1.468	5.563
D2S-416_D2S-417	D2S-416	D2S-417	6	135.74	134.2	0.31	-0.028	0.019	0.945	0.472	0.006	0.273	0.008	0.019	1.017	0.508	0.006	0.271

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
D2S-417_D2S-110	D2S-417	D2S-110	12	134.2	129.7	2.90	-0.492	0.453	0.508	0.508	1.313	5.297	-0.452	0.514	0.548	0.548	1.490	5.470
D2S-418_D2S-108	D2S-418	D2S-108	6	135.65	132.48	0.44	-0.439	0.013	0.121	0.061	0.006	0.867	-0.439	0.013	0.122	0.061	0.006	0.867
D2S-501_D2S-415	D2S-501	D2S-415	6	139.43	138.2	0.28	-0.021	0.202	0.958	0.479	0.057	0.668	0.017	0.203	1.033	0.517	0.057	0.640
D2S-502_D2S-501	D2S-502	D2S-501	6	140.72	139.43	0.28	-0.350	0.181	0.300	0.150	0.051	1.646	-0.350	0.182	0.300	0.150	0.051	1.650
D2S-503_D2S-502	D2S-503	D2S-502	6	141.7	140.72	0.28	-0.356	0.111	0.287	0.144	0.031	1.215	-0.356	0.111	0.288	0.144	0.031	1.215
D2S-504_D2S-417	D2S-504	D2S-417	6	135.76	134.2	0.31	-0.028	0.051	0.945	0.472	0.016	0.509	0.008	0.051	1.017	0.508	0.016	0.507
D2S-505_D2S-611	D2S-505	D2S-611	6	122.58	121.59	0.33	-0.441	0.009	0.117	0.059	0.003	0.501	-0.441	0.009	0.117	0.059	0.003	0.501
D2S-506_D2S-502	D2S-506	D2S-502	6	143.46	140.72	0.42	-0.356	0.038	0.287	0.144	0.016	0.809	-0.356	0.038	0.288	0.144	0.016	0.810
D2S-507_D2S-508	D2S-507	D2S-508	6	143.96	142.71	0.28	-0.397	0.089	0.206	0.103	0.025	1.355	-0.397	0.089	0.207	0.103	0.025	1.356
D2S-508_D2S-503	D2S-508	D2S-503	6	142.71	141.7	0.28	-0.387	0.093	0.226	0.113	0.026	1.302	-0.387	0.093	0.226	0.113	0.026	1.302
D2S-509_D2S-514	D2S-509	D2S-514	6	138.84	137.28	0.31	-0.439	0.013	0.121	0.061	0.004	0.590	-0.439	0.013	0.122	0.061	0.004	0.590
D2S-510_D2S-515	D2S-510	D2S-515	8	140.58	133.72	1.21	-0.641	0.001	0.038	0.026	0.001	0.503	-0.641	0.001	0.038	0.026	0.001	0.503
D2S-511_D2S-513	D2S-511	D2S-513	6	122.29	118.33	0.49	-0.426	0.022	0.148	0.074	0.011	1.169	-0.426	0.022	0.148	0.074	0.011	1.169
D2S-512_D2S-511	D2S-512	D2S-511	6	126.24	122.29	0.49	-0.449	0.010	0.102	0.051	0.005	0.916	-0.449	0.010	0.102	0.051	0.005	0.917
D2S-513_D2S-601	D2S-513	D2S-601	6	118.33	117.4	0.31	-0.423	0.047	0.153	0.077	0.015	1.225	-0.423	0.048	0.153	0.077	0.015	1.225
D2S-514_D2S-504	D2S-514	D2S-504	6	137.28	135.76	0.31	-0.425	0.032	0.150	0.075	0.010	0.943	-0.425	0.032	0.150	0.075	0.010	0.945
D2S-515_D2S-212	D2S-515	D2S-212	8	133.72	130.81	1.10	-0.625	0.003	0.063	0.042	0.003	0.681	-0.625	0.003	0.063	0.042	0.003	0.681
D2S-601_D2S-300	D2S-601	D2S-300	6	117.4	115.37	0.38	-0.422	0.051	0.156	0.078	0.020	1.580	-0.422	0.051	0.156	0.078	0.020	1.581
D2S-602_D2S-603	D2S-602	D2S-603	6	116.64	114.28	0.60	-0.368	0.008	0.264	0.132	0.005	0.377	-0.368	0.008	0.264	0.132	0.005	0.377
D2S-603_D2S-312	D2S-603	D2S-312	6	114.28	112.76	0.31	-0.350	0.153	0.299	0.150	0.047	1.611	-0.350	0.154	0.300	0.150	0.047	1.612
D2S-604_D2S-610	D2S-604	D2S-610	6	122.81	118.81	0.66	-0.436	0.004	0.128	0.064	0.003	0.530	-0.436	0.004	0.128	0.064	0.003	0.530
D2S-605_D2S-610	D2S-605	D2S-610	6	120.31	118.81	0.31	-0.436	0.019	0.128	0.064	0.006	0.751	-0.436	0.019	0.128	0.064	0.006	0.752
D2S-606_D2S-607	D2S-606	D2S-607	6	117.87	116.95	0.31	-0.387	0.045	0.227	0.113	0.014	0.851	-0.387	0.045	0.227	0.113	0.014	0.852
D2S-607_D2S-608	D2S-607	D2S-608	6	116.95	115.98	0.31	-0.380	0.113	0.240	0.120	0.035	1.559	-0.380	0.113	0.240	0.120	0.035	1.559
D2S-608_D2S-603	D2S-608	D2S-603	6	115.98	114.28	0.31	-0.368	0.127	0.264	0.132	0.039	1.564	-0.368	0.127	0.264	0.132	0.039	1.565
D2S-609_D2S-608	D2S-609	D2S-608	6	118.53	115.98	0.67	-0.380	0.003	0.240	0.120	0.002	0.235	-0.380	0.003	0.240	0.120	0.002	0.235
D2S-610_D2S-606	D2S-610	D2S-606	6	118.81	117.87	0.31	-0.427	0.035	0.145	0.073	0.011	1.038	-0.427	0.035	0.145	0.073	0.011	1.039
D2S-611_D2S-612	D2S-611	D2S-612	6	121.59	119.79	0.34	-0.426	0.029	0.147	0.074	0.010	0.985	-0.426	0.029	0.148	0.074	0.010	0.986
D2S-612_D2S-613	D2S-612	D2S-613	6	119.79	118.8	0.34	-0.421	0.047	0.158	0.079	0.016	1.288	-0.421	0.047	0.159	0.079	0.016	1.289
D2S-613_D2S-607	D2S-613	D2S-607	6	118.8	116.95	0.31	-0.387	0.055	0.227	0.113	0.017	0.989	-0.387	0.055	0.227	0.113	0.017	0.989
D2S-614_D3S-401	D2S-614	D3S-401	6	138.85	136.54	0.31	-0.452	0.010	0.096	0.048	0.003	0.596	-0.452	0.010	0.096	0.048	0.003	0.596
D3S-101_D3S-102	D3S-101	D3S-102	8	114.48	113.5	1.06	-0.379	0.388	0.432	0.288	0.410	4.398	-0.378	0.390	0.434	0.289	0.412	4.404
D3S-102_D3S-208	D3S-102	D3S-208	10	106.56	104.21	1.38	-0.318	0.703	0.618	0.515	0.970	4.247	-0.317	0.704	0.619	0.516	0.971	4.249
D3S-103_D3S-104	D3S-103	D3S-104	6	108.12	104.09	0.43	-0.445	0.009	0.110	0.055	0.004	0.708	-0.445	0.009	0.110	0.055	0.004	0.709
D3S-104_C3S-501	D3S-104	C3S-501	6	104.09	99.69	0.45	-0.427	0.026	0.146	0.073	0.012	1.229	-0.427	0.026	0.147	0.073	0.012	1.230
D3S-105_C3S-401	D3S-105	C3S-401	6	101.55	98.88	0.40	-0.416	0.047	0.168	0.084	0.019	1.459	-0.416	0.047	0.168	0.084	0.019	1.459
D3S-106_C3S-403	D3S-106	C3S-403	6	104.49	101.46	0.40	-0.248	0.491	0.505	0.252	0.196	3.101	-0.247	0.492	0.506	0.253	0.197	3.102
D3S-107_D3S-106	D3S-107	D3S-106	6	107.72	104.49	0.40	-0.254	0.470	0.493	0.246	0.188	3.069	-0.253	0.471	0.494	0.247	0.188	3.070
D3S-108_D3S-107	D3S-108	D3S-107	6	111.2	107.72	0.40	-0.260	0.446	0.481	0.240	0.178	3.012	-0.259	0.447	0.481	0.241	0.179	3.012
D3S-109_D3S-101	D3S-109	D3S-101	8	118	114.48	0.87	-0.346	0.467	0.481	0.320	0.407	3.803	-0.345	0.470	0.482	0.322	0.409	3.809
D3S-110_D3S-105	D3S-110	D3S-105	6	104.45	101.55	0.40	-0.427	0.029	0.147	0.073	0.012	1.185	-0.427	0.030	0.147	0.073	0.012	1.186
D3S-201_D3S-202	D3S-201	D3S-202	6	116.41	109.81	0.59	-0.104	0.033	0.792	0.396	0.020	0.563	-0.105	0.033	0.791	0.395	0.020	0.561
D3S-202_D3S-206	D3S-202	D3S-206	10	109.81	108.82	0.94	-0.365	0.457	0.562	0.468	0.430	2.283	-0.366	0.456	0.561	0.468	0.429	2.281
D3S-203_D3S-102	D3S-203	D3S-102	10	107.76	106.66	0.92	-0.365	0.606	0.562	0.468	0.558	2.988	-0.366	0.605	0.561	0.468	0.557	2.982
D3S-204_D3S-515	D3S-204	D3S-515	6	114.94	113.44	0.31	-0.367	0.010	0.265	0.133	0.003	0.210	-0.367	0.010	0.266	0.133	0.003	0.210
D3S-205_D3S-206	D3S-205	D3S-206	6	109.62	108.82	0.33	-0.032	0.390	0.936	0.468	0.131	1.366	-0.032	0.391	0.936	0.468	0.131	1.368
D3S-206_D3S-203	D3S-206	D3S-203	10	108.82	107.76	0.92	-0.365	0.606	0.562	0.468	0.559	2.746	-0.366	0.605	0.561	0.468	0.558	2.745
D3S-207_D3S-205	D3S-207	D3S-205	6	110.53	109.62	0.33	-0.262	0.385	0.477	0.239	0.128	2.289	-0.261	0.386	0.477	0.239	0.129	2.290
D3S-208_D3S-209	D3S-208	D3S-209	10	104.21	101.83	1.44	-0.332	0.675	0.602	0.502	0.974	4.402	-0.331	0.676	0.602	0.502	0.975	4.403
D3S-209_C3S-503	D3S-209	C3S-503	10	101.83	99.23	1.52	-0.342	0.642	0.590	0.492	0.978	4.555	-0.342	0.643	0.590	0.492	0.979	4.556
D3S-301_D3S-304	D3S-301	D3S-304	6	116.35	110.83	0.52	-0.094	0.240	0.813	0.406	0.125	1.700	-0.094	0.240	0.812	0.406	0.125	1.699

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
D3S-302_D3S-303	D3S-302	D3S-303	8	113.61	111.73	0.65	-0.328	0.438	0.508	0.339	0.284	2.595	-0.328	0.437	0.508	0.338	0.283	2.594
D3S-303_D3S-304	D3S-303	D3S-304	10	111.73	110.83	0.82	-0.427	0.348	0.488	0.406	0.285	1.823	-0.427	0.347	0.487	0.406	0.284	1.821
D3S-304_D3S-202	D3S-304	D3S-202	10	110.83	109.81	0.86	-0.427	0.479	0.488	0.406	0.410	2.450	-0.427	0.478	0.487	0.406	0.409	2.449
D3S-305_D3S-306	D3S-305	D3S-306	6	107.63	106.65	0.44	-0.451	0.013	0.098	0.049	0.006	1.045	-0.451	0.013	0.098	0.049	0.006	1.045
D3S-306_D4S-102	D3S-306	D4S-102	6	106.65	103.63	0.44	-0.431	0.020	0.138	0.069	0.009	1.048	-0.431	0.020	0.138	0.069	0.009	1.049
D3S-400_D3S-109	D3S-400	D3S-109	8	122.79	118	1.05	-0.346	0.379	0.480	0.320	0.399	4.011	-0.345	0.382	0.482	0.322	0.402	4.017
D3S-401_D3S-402	D3S-401	D3S-402	6	136.54	134.51	0.31	-0.442	0.019	0.115	0.058	0.006	0.831	-0.442	0.019	0.115	0.058	0.006	0.832
D3S-402_D3S-403	D3S-402	D3S-403	6	134.51	132.66	0.31	-0.163	0.029	0.674	0.337	0.009	0.192	-0.161	0.029	0.677	0.339	0.009	0.191
D3S-403_D3S-404	D3S-403	D3S-404	8	132.66	131.1	0.74	-0.323	0.509	0.516	0.344	0.378	3.267	-0.321	0.513	0.518	0.345	0.381	3.273
D3S-404_D3S-405	D3S-404	D3S-405	8	131.1	128.7	0.73	-0.323	0.528	0.516	0.344	0.383	3.271	-0.321	0.531	0.518	0.346	0.386	3.277
D3S-405_D3S-400	D3S-405	D3S-400	8	128.7	122.79	1.15	-0.382	0.339	0.427	0.284	0.391	4.441	-0.381	0.342	0.428	0.286	0.394	4.449
D3S-501_D3S-201	D3S-501	D3S-201	6	123.01	116.41	0.59	-0.438	0.023	0.124	0.062	0.014	1.701	-0.438	0.023	0.124	0.062	0.014	1.702
D3S-502_D3S-505	D3S-502	D3S-505	6	128.91	127.19	0.40	-0.419	0.007	0.163	0.081	0.003	0.374	-0.419	0.007	0.163	0.082	0.003	0.374
D3S-503_D3S-509	D3S-503	D3S-509	6	124.69	121.73	0.40	-0.378	0.131	0.244	0.122	0.052	2.182	-0.378	0.131	0.244	0.122	0.052	2.184
D3S-504_D3S-503	D3S-504	D3S-503	6	125.8	124.69	0.31	-0.378	0.054	0.243	0.122	0.017	0.925	-0.378	0.054	0.244	0.122	0.017	0.926
D3S-505_D3S-507	D3S-505	D3S-507	6	127.19	123.37	0.56	-0.402	0.058	0.195	0.098	0.033	2.116	-0.402	0.058	0.196	0.098	0.033	2.118
D3S-506_D3S-505	D3S-506	D3S-505	6	128.21	127.19	0.31	-0.419	0.010	0.163	0.081	0.003	0.356	-0.419	0.010	0.163	0.082	0.003	0.356
D3S-507_D3S-508	D3S-507	D3S-508	6	123.37	121.48	0.44	-0.400	0.084	0.201	0.100	0.037	2.059	-0.399	0.084	0.201	0.101	0.037	2.060
D3S-508_D3S-512	D3S-508	D3S-512	6	121.48	119.63	0.44	-0.396	0.089	0.209	0.105	0.039	2.077	-0.395	0.089	0.209	0.105	0.039	2.078
D3S-509_D3S-513	D3S-509	D3S-513	6	121.73	116.69	0.51	-0.378	0.116	0.243	0.122	0.059	2.583	-0.378	0.117	0.244	0.122	0.059	2.584
D3S-510_D3S-514	D3S-510	D3S-514	6	128.87	126.79	0.35	-0.454	0.006	0.092	0.046	0.002	0.474	-0.454	0.006	0.093	0.046	0.002	0.474
D3S-511_D3S-515	D3S-511	D3S-515	6	118.2	113.44	0.52	-0.367	0.087	0.265	0.133	0.045	2.019	-0.367	0.087	0.266	0.133	0.045	2.020
D3S-512_D3S-511	D3S-512	D3S-511	6	119.63	118.2	0.44	-0.395	0.096	0.209	0.105	0.042	2.179	-0.395	0.096	0.210	0.105	0.042	2.180
D3S-513_D3S-516	D3S-513	D3S-516	6	116.69	111.69	0.51	-0.289	0.130	0.423	0.211	0.066	1.787	-0.288	0.131	0.423	0.212	0.066	1.788
D3S-514_D3S-501	D3S-514	D3S-501	6	126.79	123.01	0.44	-0.448	0.018	0.105	0.052	0.008	1.209	-0.448	0.018	0.105	0.052	0.008	1.209
D3S-515_D3S-516	D3S-515	D3S-516	6	113.44	111.69	0.34	-0.289	0.155	0.423	0.211	0.052	1.337	-0.288	0.156	0.423	0.212	0.052	1.338
D3S-516_D3S-207	D3S-516	D3S-207	6	111.69	110.53	0.34	-0.284	0.373	0.433	0.216	0.125	2.416	-0.283	0.374	0.433	0.217	0.125	2.417
D3S-601_D3S-605	D3S-601	D3S-605	6	128.39	127.79	0.54	-0.308	0.115	0.383	0.192	0.062	1.854	-0.308	0.115	0.384	0.192	0.062	1.855
D3S-602_D3S-601	D3S-602	D3S-601	6	129.64	128.39	0.40	-0.369	0.151	0.262	0.131	0.061	2.292	-0.369	0.151	0.263	0.131	0.061	2.293
D3S-603_D3S-607	D3S-603	D3S-607	8	119.09	117.22	0.66	-0.361	0.412	0.458	0.306	0.271	2.726	-0.361	0.412	0.458	0.305	0.270	2.725
D3S-604_D3S-603	D3S-604	D3S-603	8	121	119.09	0.67	-0.369	0.401	0.447	0.298	0.268	2.776	-0.369	0.401	0.447	0.298	0.268	2.775
D3S-605_D3S-606	D3S-605	D3S-606	6	127.79	125.45	0.33	-0.308	0.314	0.385	0.192	0.105	2.339	-0.307	0.314	0.385	0.193	0.105	2.340
D3S-606_D3S-608	D3S-606	D3S-608	6	125.45	120.86	0.47	-0.330	0.237	0.341	0.170	0.112	3.007	-0.330	0.238	0.341	0.171	0.113	3.008
D3S-607_D3S-609	D3S-607	D3S-609	8	117.22	115.43	0.64	-0.358	0.430	0.463	0.308	0.275	2.707	-0.359	0.429	0.462	0.308	0.274	2.706
D3S-608_D3S-301	D3S-608	D3S-301	6	120.86	116.35	0.47	-0.329	0.251	0.341	0.171	0.119	3.110	-0.329	0.251	0.342	0.171	0.119	3.111
D3S-609_D3S-302	D3S-609	D3S-302	8	115.43	113.61	0.64	-0.358	0.437	0.463	0.309	0.279	2.734	-0.358	0.436	0.463	0.309	0.279	2.732
D3S-610_D4S-411	D3S-610	D4S-411	6	117.79	114.56	0.38	-0.437	0.015	0.126	0.063	0.006	0.809	-0.437	0.015	0.126	0.063	0.006	0.810
D3S-611_D3S-605	D3S-611	D3S-605	6	128.93	127.79	0.33	-0.308	0.124	0.383	0.192	0.041	1.219	-0.308	0.124	0.384	0.192	0.041	1.220
D3S-612_D3S-305	D3S-612	D3S-305	6	110.59	107.63	0.43	-0.460	0.007	0.081	0.040	0.003	0.755	-0.460	0.007	0.081	0.041	0.003	0.756
D3S-613_D4S-412	D3S-613	D4S-412	6	110.28	105.6	0.45	-0.442	0.013	0.117	0.059	0.006	0.907	-0.441	0.013	0.117	0.059	0.006	0.907
D4S-101_D4S-202	D4S-101	D4S-202	8	99.92	95.03	1.12	0.318	0.023	1.477	0.985	0.026	0.678	0.410	0.023	1.615	1.077	0.026	0.680
D4S-102_D4S-103	D4S-102	D4S-103	6	103.63	101.63	0.33	-0.415	0.041	0.171	0.085	0.014	1.108	-0.415	0.041	0.171	0.085	0.014	1.108
D4S-103_D4S-101	D4S-103	D4S-101	6	101.63	99.92	0.31	-0.414	0.064	0.172	0.086	0.020	1.371	-0.414	0.064	0.172	0.086	0.020	1.372
D4S-201_C4S-501	D4S-201	C4S-501	30	92.17	85.8	33.99	-1.151	0.231	0.540	1.349	7.861	5.778	-1.007	0.272	0.597	1.493	9.247	5.979
D4S-202_D4S-201	D4S-202	D4S-201	30	95.03	92.17	23.92	-1.514	0.328	0.394	0.986	7.851	6.769	-1.422	0.386	0.431	1.078	9.232	7.069
D4S-401_D4S-202	D4S-401	D4S-202	30	100.57	95.03	37.75	-1.515	0.207	0.394	0.985	7.817	7.786	-1.423	0.244	0.431	1.077	9.196	8.129
D4S-402_D4S-401	D4S-402	D4S-401	6	102.26	100.57	0.28	0.273	0.066	1.545	0.773	0.019	0.700	0.341	0.062	1.682	0.841	0.017	0.700
D4S-403_D4S-404	D4S-403	D4S-404	6	111.06	107.55	0.40	-0.421	0.047	0.159	0.079	0.019	1.524	-0.420	0.047	0.159	0.080	0.019	1.524
D4S-404_D4S-409	D4S-404	D4S-409	6	107.55	105.2	0.40	0.419	0.054	1.837	0.919	0.022	0.788	0.503	0.055	2.006	1.003	0.022	0.792
D4S-405_D4S-409	D4S-405	D4S-409	6	108.88	105.2	0.46	0.419	0.777	1.837	0.919	0.354	2.741	0.503	0.776	2.006	1.003	0.353	2.733
D4S-406_D4S-405	D4S-406	D4S-405	6	114.56	108.88	0.57	-0.166	0.621	0.667	0.334	0.351	4.253	-0.166	0.621	0.668	0.334	0.351	4.247



Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
D4S-407_D4S-409	D4S-407	D4S-409	30	106.9	105.2	23.82	-1.539	0.314	0.385	0.961	7.466	6.657	-1.446	0.371	0.422	1.055	8.836	6.965
D4S-408_D4S-406	D4S-408	D4S-406	6	116.31	114.56	0.33	-0.215	0.032	0.571	0.285	0.011	0.483	-0.215	0.032	0.570	0.285	0.011	0.484
D4S-409_D4S-413	D4S-409	D4S-413	30	105.2	102.98	27.01	-1.581	0.289	0.368	0.919	7.791	7.379	-1.496	0.339	0.402	1.004	9.165	7.712
D4S-410_D4S-408	D4S-410	D4S-408	6	118.63	116.31	0.38	-0.439	0.010	0.122	0.061	0.004	0.619	-0.439	0.010	0.122	0.061	0.004	0.620
D4S-411_D4S-403	D4S-411	D4S-403	6	114.56	111.06	0.40	-0.427	0.034	0.147	0.073	0.014	1.314	-0.427	0.034	0.147	0.073	0.014	1.315
D4S-412_D4S-402	D4S-412	D4S-402	6	105.6	102.26	0.40	-0.417	0.029	0.167	0.083	0.012	1.062	-0.415	0.029	0.171	0.085	0.012	1.042
D4S-413_D4S-401	D4S-413	D4S-401	30	102.98	100.57	39.79	-1.727	0.196	0.309	0.773	7.798	9.547	-1.659	0.231	0.336	0.841	9.172	9.994
E1S-201_E1S-202	E1S-201	E1S-202	6	171.16	170.21	0.28	-0.440	0.021	0.121	0.061	0.006	0.763	-0.440	0.021	0.121	0.061	0.006	0.764
E1S-202_E1S-203	E1S-202	E1S-203	6	170.21	169.28	0.28	-0.431	0.031	0.138	0.069	0.009	0.914	-0.431	0.031	0.139	0.069	0.009	0.914
E1S-203_E1S-204	E1S-203	E1S-204	6	169.28	167.87	0.31	-0.409	0.042	0.183	0.091	0.013	0.970	-0.409	0.042	0.183	0.091	0.013	0.971
E1S-204_E1S-617	E1S-204	E1S-617	6	167.87	165.98	0.31	-0.385	0.074	0.230	0.115	0.023	1.203	-0.381	0.074	0.239	0.119	0.023	1.169
E1S-301_E1S-315	E1S-301	E1S-315	6	164.85	163.67	0.40	-0.449	0.012	0.102	0.051	0.005	0.865	-0.449	0.012	0.103	0.051	0.005	0.865
E1S-302_D1S-610	E1S-302	D1S-610	6	163.67	157.3	0.69	-0.453	0.007	0.093	0.047	0.005	1.085	-0.453	0.007	0.093	0.047	0.005	1.085
E1S-303_D1S-614	E1S-303	D1S-614	6	149.04	145.08	0.63	-0.409	0.014	0.183	0.092	0.009	0.886	-0.408	0.014	0.183	0.092	0.009	0.887
E1S-304_E1S-303	E1S-304	E1S-303	6	151.08	149.04	0.62	-0.459	0.005	0.083	0.041	0.003	0.806	-0.459	0.005	0.083	0.042	0.003	0.806
E1S-305_E1S-306	E1S-305	E1S-306	6	167.51	162.71	0.59	-0.450	0.008	0.100	0.050	0.005	0.975	-0.450	0.008	0.101	0.050	0.005	0.975
E1S-306_D1S-613	E1S-306	D1S-613	6	162.71	153.05	0.59	-0.424	0.021	0.152	0.076	0.013	1.356	-0.424	0.021	0.152	0.076	0.013	1.357
E1S-307_E2S-102	E1S-307	E2S-102	6	156.36	154.71	0.28	-0.382	0.099	0.236	0.118	0.028	1.311	-0.382	0.099	0.236	0.118	0.028	1.312
E1S-308_E1S-307	E1S-308	E1S-307	6	158.28	156.36	0.71	-0.395	0.029	0.211	0.106	0.021	1.522	-0.394	0.029	0.211	0.106	0.021	1.523
E1S-309_E1S-307	E1S-309	E1S-307	6	158.83	156.36	0.42	-0.395	0.009	0.211	0.106	0.004	0.360	-0.394	0.009	0.211	0.106	0.004	0.360
E1S-310_E1S-204	E1S-310	E1S-204	6	172.36	167.87	0.54	-0.409	0.013	0.183	0.091	0.007	0.691	-0.409	0.013	0.183	0.091	0.007	0.691
E1S-311_E1S-617	E1S-311	E1S-617	6	168.44	165.98	0.40	-0.385	0.015	0.230	0.115	0.006	0.470	-0.381	0.015	0.239	0.119	0.006	0.456
E1S-312_E1S-316	E1S-312	E1S-316	6	162.39	162.07	0.22	-0.432	0.040	0.135	0.068	0.009	0.949	-0.432	0.040	0.135	0.068	0.009	0.950
E1S-313_E1S-301	E1S-313	E1S-301	6	165.37	164.85	0.40	-0.461	0.012	0.078	0.039	0.005	1.066	-0.461	0.012	0.078	0.039	0.005	1.067
E1S-314_E1S-312	E1S-314	E1S-312	6	166.97	162.39	0.64	-0.432	0.009	0.135	0.068	0.006	0.857	-0.432	0.009	0.135	0.068	0.006	0.857
E1S-315_E1S-316	E1S-315	E1S-316	6	163.67	162.07	0.40	-0.443	0.022	0.114	0.057	0.009	1.189	-0.443	0.022	0.114	0.057	0.009	1.190
E1S-316_E1S-308	E1S-316	E1S-308	6	162.07	158.28	0.71	-0.441	0.028	0.117	0.059	0.020	2.404	-0.441	0.028	0.118	0.059	0.020	2.406
E1S-501_E1S-601	E1S-501	E1S-601	12	165.19	165.11	0.82	-0.653	0.221	0.347	0.347	0.180	1.186	-0.563	0.346	0.437	0.437	0.283	1.354
E1S-601_E1S-602	E1S-601	E1S-602	12	165.11	164.71	0.83	-0.519	0.253	0.481	0.481	0.211	0.993	-0.416	0.376	0.584	0.584	0.314	1.127
E1S-602_E1S-610	E1S-602	E1S-610	12	164.71	164.6	0.41	-0.519	0.526	0.481	0.481	0.214	1.017	-0.416	0.779	0.584	0.584	0.316	1.212
E1S-603_E1S-604	E1S-603	E1S-604	6	170.47	166.66	1.08	-0.277	0.003	0.446	0.223	0.003	0.385	-0.239	0.003	0.522	0.261	0.003	0.386
E1S-604_E1S-605	E1S-604	E1S-605	8	166.66	166.1	0.56	-0.437	0.238	0.345	0.230	0.134	1.991	-0.394	0.319	0.409	0.272	0.180	2.136
E1S-605_E1S-501	E1S-605	E1S-501	8	166.1	165.19	0.57	-0.333	0.239	0.501	0.334	0.137	1.513	-0.242	0.318	0.637	0.425	0.182	1.529
E1S-606_E1S-604	E1S-606	E1S-604	8	167.09	166.66	0.57	-0.444	0.231	0.334	0.223	0.131	2.015	-0.406	0.312	0.392	0.261	0.177	2.191
E1S-607_E1S-606	E1S-607	E1S-606	6	168.44	167.09	0.33	-0.281	0.012	0.438	0.219	0.004	0.393	-0.243	0.012	0.514	0.257	0.004	0.394
E1S-608_E1S-606	E1S-608	E1S-606	8	167.32	167.09	0.38	-0.410	0.338	0.386	0.257	0.129	1.784	-0.365	0.459	0.453	0.302	0.175	1.953
E1S-609_E1S-602	E1S-609	E1S-602	6	170.13	164.71	0.57	-0.019	0.003	0.962	0.481	0.002	0.203	0.084	0.003	1.168	0.584	0.002	0.203
E1S-610_E1S-615	E1S-610	E1S-615	12	164.6	164.46	0.92	-0.584	0.411	0.416	0.416	0.379	2.029	-0.517	0.533	0.483	0.483	0.492	2.139
E1S-611_E1S-608	E1S-611	E1S-608	8	168	167.32	0.70	-0.410	0.183	0.386	0.257	0.127	1.873	-0.365	0.249	0.453	0.302	0.173	2.048
E1S-612_E1S-611	E1S-612	E1S-611	6	169.19	168	0.28	-0.264	0.451	0.472	0.236	0.127	2.258	-0.216	0.615	0.568	0.284	0.174	2.485
E1S-613_E1S-612	E1S-613	E1S-612	6	169.7	169.19	0.28	-0.264	0.447	0.472	0.236	0.126	2.154	-0.216	0.611	0.568	0.284	0.173	2.330
E1S-614_E1S-613	E1S-614	E1S-613	6	171.56	169.7	0.89	-0.265	0.141	0.470	0.235	0.125	3.006	-0.217	0.193	0.566	0.283	0.171	3.245
E1S-615_E2S-407	E1S-615	E2S-407	12	164.46	164	1.78	-0.400	0.214	0.600	0.600	0.382	1.557	-0.310	0.278	0.690	0.690	0.495	1.671
E1S-616_E1S-615	E1S-616	E1S-615	6	166.11	164.46	0.40	-0.124	0.012	0.751	0.376	0.005	0.276	-0.056	0.012	0.889	0.444	0.005	0.178
E1S-617_E1S-601	E1S-617	E1S-601	6	165.98	165.11	0.31	-0.153	0.099	0.694	0.347	0.031	0.582	-0.063	0.100	0.875	0.437	0.031	0.441
E2S-012_E2S-110	E2S-012	E2S-110	6	146.36	145.12	0.39	-0.461	0.005	0.077	0.039	0.002	0.571	-0.461	0.005	0.077	0.039	0.002	0.571
E2S-101_E1S-303	E2S-101	E1S-303	6	150.26	149.04	0.22	-0.449	0.023	0.103	0.052	0.005	0.802	-0.448	0.023	0.103	0.052	0.005	0.803
E2S-102_E2S-107	E2S-102	E2S-107	6	154.71	153.2	0.28	-0.358	0.124	0.283	0.142	0.035	1.329	-0.358	0.124	0.284	0.142	0.035	1.329
E2S-103_E2S-107	E2S-103	E2S-107	6	157.1	153.2	0.45	-0.358	0.028	0.283	0.142	0.013	0.709	-0.358	0.028	0.284	0.142	0.013	0.708
E2S-104_E2S-106	E2S-104	E2S-106	6	153.03	152.1	0.28	-0.349	0.188	0.302	0.151	0.053	1.680	-0.349	0.189	0.302	0.151	0.053	1.683
E2S-105_E2S-104	E2S-105	E2S-104	6	155.91	153.03	0.49	-0.353	0.006	0.294	0.147	0.003	0.203	-0.353	0.006	0.294	0.147	0.003	0.203

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
E2S-106 E2S-108	E2S-106	E2S-108	6	152.1	150.97	0.28	-0.097	0.204	0.807	0.404	0.057	0.777	-0.065	0.204	0.871	0.436	0.058	0.717
E2S-107 E2S-104	E2S-107	E2S-104	6	153.2	153.03	0.28	-0.353	0.173	0.294	0.147	0.049	1.616	-0.353	0.174	0.294	0.147	0.049	1.617
E2S-108 E2S-109	E2S-108	E2S-109	12	150.97	146.99	3.59	-0.477	0.337	0.523	0.523	1.209	5.268	-0.432	0.386	0.568	0.568	1.386	5.446
E2S-109 E2S-111	E2S-109	E2S-111	12	146.99	144.59	2.26	-0.477	0.539	0.523	0.523	1.215	4.533	-0.432	0.617	0.568	0.568	1.391	4.683
E2S-110 D2S-407	E2S-110	D2S-407	6	145.12	142.79	0.40	-0.436	0.012	0.127	0.064	0.005	0.819	-0.429	0.012	0.142	0.071	0.005	0.795
E2S-111 D2S-409	E2S-111	D2S-409	12	144.59	142.84	2.66	-0.484	0.457	0.516	0.516	1.216	4.841	-0.439	0.523	0.561	0.561	1.392	4.998
E2S-201 E2S-108	E2S-201	E2S-108	12	153.12	150.97	2.74	-0.548	0.419	0.452	0.452	1.150	5.177	-0.510	0.484	0.491	0.491	1.327	5.371
E2S-202 E2S-215	E2S-202	E2S-215	6	148.86	146.46	0.44	-0.449	0.013	0.103	0.052	0.006	1.004	-0.448	0.013	0.103	0.052	0.006	1.005
E2S-203 E2S-201	E2S-203	E2S-201	12	157.36	153.12	2.77	-0.548	0.392	0.452	0.452	1.088	5.004	-0.510	0.455	0.491	0.491	1.263	5.213
E2S-204 E2S-212	E2S-204	E2S-212	6	158.41	156.45	0.28	-0.355	0.172	0.290	0.145	0.049	1.633	-0.355	0.173	0.290	0.145	0.049	1.634
E2S-205 D2S-507	E2S-205	D2S-507	6	147.61	143.96	0.47	-0.400	0.046	0.200	0.100	0.022	1.489	-0.400	0.047	0.201	0.100	0.022	1.490
E2S-206 E2S-205	E2S-206	E2S-205	6	147.95	147.61	0.28	-0.413	0.067	0.175	0.088	0.019	1.287	-0.412	0.067	0.175	0.088	0.019	1.288
E2S-207 E2S-206	E2S-207	E2S-206	6	148.81	147.95	0.28	-0.413	0.054	0.175	0.088	0.015	1.108	-0.412	0.054	0.175	0.088	0.015	1.109
E2S-208 E2S-207	E2S-208	E2S-207	6	149.3	148.81	0.28	-0.421	0.044	0.158	0.079	0.012	1.030	-0.421	0.044	0.158	0.079	0.012	1.030
E2S-209 E2S-206	E2S-209	E2S-206	6	151.48	147.95	0.48	-0.413	0.002	0.175	0.088	0.001	0.172	-0.412	0.002	0.175	0.088	0.001	0.172
E2S-210 E2S-208	E2S-210	E2S-208	6	149.82	149.3	0.28	-0.429	0.021	0.143	0.071	0.006	0.669	-0.429	0.021	0.143	0.071	0.006	0.670
E2S-211 E2S-201	E2S-211	E2S-201	12	154.73	153.12	1.77	-0.548	0.035	0.452	0.452	0.061	0.641	-0.510	0.036	0.491	0.491	0.063	0.646
E2S-212 E2S-211	E2S-212	E2S-211	6	156.45	154.73	0.28	-0.355	0.185	0.290	0.145	0.052	1.735	-0.355	0.185	0.291	0.145	0.052	1.736
E2S-213 E2S-212	E2S-213	E2S-212	6	157.26	156.45	0.31	-0.355	0.006	0.290	0.145	0.002	0.161	-0.355	0.006	0.290	0.145	0.002	0.162
E2S-214 D2S-202	E2S-214	E2S-202	6	149.3	148.86	0.28	-0.459	0.014	0.083	0.041	0.004	0.790	-0.459	0.014	0.083	0.041	0.004	0.790
E2S-215 D2S-506	E2S-215	D2S-506	6	146.46	143.46	0.44	-0.434	0.022	0.132	0.066	0.010	1.173	-0.434	0.023	0.132	0.066	0.010	1.173
E2S-301 D2S-611	E2S-301	D2S-611	6	125.56	121.59	0.52	-0.441	0.006	0.117	0.059	0.003	0.556	-0.441	0.006	0.117	0.059	0.003	0.556
E2S-302 D2S-612	E2S-302	D2S-612	6	122.5	119.79	0.45	-0.426	0.006	0.147	0.074	0.003	0.426	-0.426	0.006	0.148	0.074	0.003	0.426
E2S-303 E2S-304	E2S-303	E2S-304	6	147.89	145.66	0.47	-0.453	0.012	0.094	0.047	0.006	1.095	-0.453	0.012	0.094	0.047	0.006	1.095
E2S-304 E2S-305	E2S-304	E2S-305	6	145.66	141.68	0.47	-0.429	0.019	0.142	0.071	0.009	1.040	-0.429	0.019	0.142	0.071	0.009	1.040
E2S-305 E3S-102	E2S-305	E3S-102	6	141.68	139.24	0.36	-0.411	0.044	0.178	0.089	0.016	1.191	-0.411	0.044	0.179	0.089	0.016	1.191
E2S-306 E2S-210	E2S-306	E2S-210	6	150.69	149.82	0.28	-0.450	0.014	0.101	0.050	0.004	0.673	-0.450	0.014	0.101	0.050	0.004	0.673
E2S-307 E2S-308	E2S-307	E2S-308	6	154.3	152.06	0.54	-0.459	0.005	0.082	0.041	0.003	0.782	-0.459	0.005	0.082	0.041	0.003	0.782
E2S-308 E2S-309	E2S-308	E2S-309	6	152.06	148.55	0.42	-0.436	0.014	0.128	0.064	0.006	0.825	-0.436	0.014	0.128	0.064	0.006	0.825
E2S-309 E2S-311	E2S-309	E2S-311	6	148.55	145.3	0.42	-0.421	0.035	0.159	0.080	0.015	1.315	-0.420	0.035	0.159	0.080	0.015	1.315
E2S-310 E2S-309	E2S-310	E2S-309	6	151.71	148.55	0.61	-0.436	0.010	0.128	0.064	0.006	0.896	-0.436	0.010	0.128	0.064	0.006	0.896
E2S-311 E2S-312	E2S-311	E2S-312	6	145.3	144.69	0.33	-0.409	0.055	0.183	0.092	0.018	1.233	-0.408	0.055	0.183	0.092	0.018	1.233
E2S-312 E2S-313	E2S-312	E2S-313	6	144.69	142.7	0.31	-0.397	0.074	0.206	0.103	0.023	1.315	-0.397	0.074	0.206	0.103	0.023	1.315
E2S-313 E3S-104	E2S-313	E3S-104	6	142.7	140.69	0.31	-0.387	0.094	0.226	0.113	0.029	1.436	-0.387	0.094	0.226	0.113	0.029	1.436
E2S-314 E2S-315	E2S-314	E2S-315	6	150.07	149.3	0.40	-0.449	0.007	0.102	0.051	0.003	0.594	-0.449	0.007	0.102	0.051	0.003	0.594
E2S-315 E3S-111	E2S-315	E3S-111	6	149.3	147.27	0.31	-0.431	0.022	0.138	0.069	0.007	0.792	-0.431	0.022	0.138	0.069	0.007	0.792
E2S-401 E2S-504	E2S-401	E2S-504	6	172.84	171.27	0.38	-0.402	0.084	0.196	0.098	0.032	1.816	-0.402	0.084	0.196	0.098	0.032	1.820
E2S-402 E2S-401	E2S-402	E2S-401	6	173.35	172.84	0.44	-0.402	0.071	0.195	0.098	0.031	1.889	-0.402	0.071	0.196	0.098	0.031	1.893
E2S-403 E2S-410	E2S-403	E2S-410	6	171.39	170.86	0.18	-0.426	0.034	0.147	0.074	0.006	0.582	-0.423	0.044	0.155	0.078	0.008	0.670
E2S-404 E2S-103	E2S-404	E2S-103	6	161.91	157.1	0.50	-0.443	0.010	0.114	0.057	0.005	0.835	-0.443	0.010	0.114	0.057	0.005	0.835
E2S-405 E1S-610	E2S-405	E1S-610	8	172.6	164.6	1.37	-0.250	0.120	0.625	0.416	0.165	1.777	-0.183	0.128	0.725	0.483	0.176	1.618
E2S-406 E2S-407	E2S-406	E2S-407	6	173.35	164	0.64	0.100	0.032	1.200	0.600	0.021	0.399	0.190	0.034	1.379	0.690	0.022	0.363
E2S-407 E2S-408	E2S-407	E2S-408	12	164	163.82	0.52	-0.400	0.788	0.600	0.600	0.411	1.805	-0.310	1.007	0.690	0.690	0.525	1.949
E2S-408 E2S-411	E2S-408	E2S-411	12	163.82	163.3	1.14	-0.585	0.361	0.415	0.415	0.410	2.447	-0.525	0.461	0.475	0.475	0.524	2.644
E2S-409 E2S-411	E2S-409	E2S-411	6	167.38	163.3	0.54	-0.164	0.065	0.672	0.336	0.035	0.989	-0.120	0.069	0.760	0.380	0.037	1.006
E2S-410 E2S-409	E2S-410	E2S-409	6	170.86	167.38	0.49	-0.414	0.047	0.172	0.086	0.023	1.767	-0.411	0.052	0.178	0.089	0.026	1.844
E2S-411 E2S-414	E2S-411	E2S-414	12	163.3	162.5	1.88	-0.635	0.238	0.366	0.366	0.447	2.823	-0.590	0.300	0.410	0.410	0.564	3.031
E2S-412 E2S-405	E2S-412	E2S-405	8	180.6	172.6	1.34	-0.511	0.116	0.234	0.156	0.155	3.913	-0.506	0.123	0.242	0.161	0.165	3.992
E2S-413 E2S-403	E2S-413	E2S-403	6	174.84	171.39	0.40	-0.438	0.012	0.125	0.062	0.005	0.706	-0.429	0.015	0.142	0.071	0.006	0.735
E2S-414 E2S-507	E2S-414	E2S-507	12	162.5	161.8	1.79	-0.568	0.271	0.433	0.433	0.486	2.601	-0.529	0.337	0.471	0.471	0.604	2.814
E2S-415 E2S-406	E2S-415	E2S-406	6	175.52	173.35	0.40	-0.439	0.021	0.123	0.061	0.008	1.076	-0.438	0.022	0.125	0.063	0.009	1.115

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
E2S-501 E2S-503	E2S-501	E2S-503	6	171.08	169.54	0.42	-0.245	0.514	0.510	0.255	0.215	3.326	-0.235	0.549	0.531	0.265	0.230	3.380
E2S-502 E2S-515	E2S-502	E2S-515	6	176.09	172.28	0.42	-0.239	0.511	0.523	0.261	0.214	3.249	-0.228	0.543	0.544	0.272	0.227	3.291
E2S-503 E2S-505	E2S-503	E2S-505	6	169.54	167.73	0.42	-0.225	0.513	0.550	0.275	0.215	3.153	-0.212	0.549	0.575	0.288	0.230	3.197
E2S-504 E2S-414	E2S-504	E2S-414	6	171.27	162.5	0.61	-0.135	0.059	0.731	0.366	0.036	0.900	-0.090	0.062	0.820	0.410	0.037	0.911
E2S-505 E2S-506	E2S-505	E2S-506	6	167.73	166.2	0.38	-0.163	0.573	0.673	0.337	0.217	2.675	-0.147	0.615	0.707	0.354	0.233	2.716
E2S-506 E2S-507	E2S-506	E2S-507	10	166.2	161.8	1.70	-0.401	0.343	0.519	0.433	0.584	3.657	-0.363	0.375	0.565	0.471	0.638	3.651
E2S-507 E2S-203	E2S-507	E2S-203	12	161.8	157.36	2.78	-0.565	0.388	0.435	0.435	1.079	5.112	-0.526	0.451	0.474	0.474	1.253	5.320
E2S-508 E2S-506	E2S-508	E2S-506	8	168.7	166.2	0.87	-0.330	0.416	0.505	0.337	0.362	3.399	-0.313	0.459	0.530	0.354	0.400	3.511
E2S-509 E2S-514	E2S-509	E2S-514	6	161.98	159.11	0.51	-0.360	0.062	0.280	0.140	0.031	1.471	-0.360	0.062	0.280	0.140	0.031	1.472
E2S-510 E2S-508	E2S-510	E2S-508	8	173.3	168.7	0.96	-0.367	0.376	0.449	0.299	0.361	3.817	-0.350	0.416	0.476	0.317	0.399	3.916
E2S-512 E2S-510	E2S-512	E2S-510	8	174.9	173.3	0.69	-0.326	0.520	0.512	0.341	0.357	3.084	-0.305	0.573	0.542	0.362	0.394	3.157
E2S-513 E2S-608	E2S-513	E2S-608	6	170.22	166.57	0.42	-0.447	0.010	0.106	0.053	0.004	0.741	-0.443	0.012	0.113	0.057	0.005	0.836
E2S-514 E2S-204	E2S-514	E2S-204	6	159.11	158.41	0.25	-0.360	0.172	0.280	0.140	0.043	1.496	-0.360	0.172	0.280	0.140	0.043	1.496
E2S-515 E2S-501	E2S-515	E2S-501	6	172.28	171.08	0.40	-0.239	0.539	0.523	0.261	0.216	3.219	-0.228	0.575	0.544	0.272	0.230	3.271
E2S-601 E2S-602	E2S-601	E2S-602	6	157.68	156.48	0.48	-0.464	0.010	0.072	0.036	0.005	1.209	-0.464	0.010	0.072	0.036	0.005	1.210
E2S-602 E2S-603	E2S-602	E2S-603	6	156.48	154.34	0.95	-0.445	0.007	0.110	0.055	0.007	1.313	-0.445	0.007	0.110	0.055	0.007	1.314
E2S-603 E2S-606	E2S-603	E2S-606	6	154.34	152.45	0.31	-0.413	0.026	0.174	0.087	0.008	0.719	-0.413	0.026	0.175	0.087	0.008	0.716
E2S-604 E2S-601	E2S-604	E2S-601	6	160.86	157.68	0.48	-0.464	0.004	0.071	0.036	0.002	0.650	-0.464	0.004	0.072	0.036	0.002	0.650
E2S-605 E2S-607	E2S-605	E2S-607	6	155.49	152.17	0.42	-0.232	0.408	0.536	0.268	0.171	2.755	-0.230	0.414	0.541	0.270	0.174	2.769
E2S-606 E2S-607	E2S-606	E2S-607	6	152.45	152.17	0.31	-0.232	0.039	0.536	0.268	0.012	0.298	-0.230	0.039	0.541	0.270	0.012	0.295
E2S-607 E3S-401	E2S-607	E3S-401	8	152.17	150.81	0.55	-0.394	0.343	0.409	0.273	0.187	2.178	-0.392	0.348	0.413	0.275	0.190	2.187
E2S-608 E2S-609	E2S-608	E2S-609	6	166.57	164.12	0.33	-0.445	0.024	0.110	0.055	0.008	1.079	-0.443	0.027	0.115	0.057	0.009	1.144
E2S-609 E2S-610	E2S-609	E2S-610	6	164.12	157.73	0.54	-0.254	0.026	0.492	0.246	0.014	0.430	-0.251	0.028	0.497	0.249	0.015	0.457
E2S-610 E2S-605	E2S-610	E2S-605	6	157.73	155.49	0.33	-0.253	0.490	0.494	0.247	0.164	2.633	-0.250	0.498	0.499	0.250	0.167	2.644
E3P-301 D3S-602	E3P-301	D3S-602	6	131.2	129.64	0.40	-0.369	0.151	0.263	0.132	0.060	2.270	-0.368	0.152	0.263	0.132	0.060	2.271
E3S-101 D3S-403	E3S-101	D3S-403	8	135.58	132.66	0.84	-0.330	0.436	0.506	0.337	0.366	3.383	-0.328	0.440	0.508	0.339	0.369	3.390
E3S-102 E3S-103	E3S-102	E3S-103	6	139.24	137.41	0.31	-0.398	0.070	0.204	0.102	0.022	1.277	-0.398	0.070	0.204	0.102	0.022	1.278
E3S-103 E3S-101	E3S-103	E3S-101	6	137.41	135.58	0.31	-0.193	0.093	0.615	0.308	0.029	0.582	-0.191	0.093	0.618	0.309	0.029	0.579
E3S-104 E3S-105	E3S-104	E3S-105	6	140.69	138.68	0.31	-0.207	0.113	0.587	0.293	0.035	0.712	-0.205	0.114	0.590	0.295	0.035	0.709
E3S-105 E3S-101	E3S-105	E3S-101	8	138.68	135.58	0.82	-0.359	0.402	0.461	0.308	0.330	3.350	-0.358	0.405	0.464	0.309	0.333	3.358
E3S-106 E3S-105	E3S-106	E3S-105	8	140.25	138.68	1.68	-0.373	0.173	0.440	0.293	0.291	3.933	-0.372	0.175	0.442	0.295	0.293	3.945
E3S-107 E3S-106	E3S-107	E3S-106	6	145	140.25	0.58	-0.309	0.010	0.382	0.191	0.006	0.387	-0.308	0.010	0.384	0.192	0.006	0.387
E3S-108 E3S-109	E3S-108	E3S-109	6	145.58	143.27	0.40	-0.238	0.010	0.524	0.262	0.004	0.178	-0.236	0.010	0.527	0.264	0.004	0.178
E3S-109 E3S-106	E3S-109	E3S-106	8	143.27	140.25	0.86	-0.404	0.328	0.394	0.263	0.281	3.419	-0.403	0.331	0.396	0.264	0.284	3.429
E3S-110 E3S-109	E3S-110	E3S-109	6	145.28	143.27	0.31	-0.238	0.061	0.524	0.262	0.019	0.478	-0.236	0.061	0.527	0.264	0.019	0.476
E3S-111 E3S-110	E3S-111	E3S-110	6	147.27	145.28	0.31	-0.417	0.041	0.166	0.083	0.013	1.051	-0.417	0.042	0.166	0.083	0.013	1.051
E3S-201 E3S-203	E3S-201	E3S-203	6	136.44	133.11	0.39	-0.452	0.010	0.096	0.048	0.004	0.779	-0.452	0.010	0.096	0.048	0.004	0.779
E3S-202 E3S-204	E3S-202	E3S-204	6	133.94	131.87	0.40	-0.407	0.067	0.187	0.094	0.027	1.706	-0.406	0.067	0.187	0.094	0.027	1.707
E3S-203 E3S-206	E3S-203	E3S-206	6	133.11	128.81	0.46	-0.435	0.019	0.130	0.065	0.009	1.115	-0.435	0.019	0.130	0.065	0.009	1.116
E3S-204 E3S-205	E3S-204	E3S-205	6	131.87	129.77	0.40	-0.406	0.077	0.188	0.094	0.031	1.873	-0.406	0.077	0.188	0.094	0.031	1.874
E3S-205 D3S-503	E3S-205	D3S-503	6	129.77	124.69	0.61	-0.378	0.056	0.243	0.122	0.034	1.850	-0.378	0.056	0.244	0.122	0.034	1.851
E3S-206 D3S-504	E3S-206	D3S-504	6	128.81	125.8	0.38	-0.420	0.036	0.159	0.080	0.014	1.216	-0.420	0.036	0.160	0.080	0.014	1.217
E3S-207 E3S-208	E3S-207	E3S-208	6	139.3	135.87	0.42	-0.430	0.026	0.139	0.070	0.011	1.177	-0.430	0.026	0.139	0.070	0.011	1.178
E3S-208 E3S-210	E3S-208	E3S-210	6	135.87	133.22	0.42	-0.425	0.042	0.149	0.075	0.018	1.559	-0.425	0.042	0.150	0.075	0.018	1.560
E3S-209 E3S-202	E3S-209	E3S-202	6	137.46	133.94	0.40	-0.413	0.054	0.175	0.087	0.022	1.565	-0.412	0.054	0.175	0.088	0.022	1.565
E3S-210 D3S-505	E3S-210	D3S-505	6	133.22	127.19	0.50	-0.419	0.049	0.163	0.081	0.025	1.940	-0.419	0.049	0.163	0.082	0.025	1.941
E3S-301 E3S-302	E3S-301	E3S-302	6	137.39	134.62	0.44	-0.401	0.050	0.197	0.099	0.022	1.465	-0.401	0.050	0.197	0.099	0.022	1.465
E3S-302 E3S-303	E3S-302	E3S-303	6	134.62	132.31	0.34	-0.393	0.086	0.214	0.107	0.029	1.526	-0.393	0.086	0.215	0.107	0.029	1.526
E3S-303 E3S-304	E3S-303	E3S-304	6	132.31	130.63	0.33	-0.387	0.102	0.227	0.113	0.034	1.630	-0.387	0.102	0.227	0.113	0.034	1.631
E3S-304 D3S-611	E3S-304	D3S-611	6	130.63	128.93	0.34	-0.380	0.113	0.241	0.120	0.038	1.685	-0.380	0.114	0.241	0.121	0.038	1.686
E3S-305 E3S-306	E3S-305	E3S-306	8	132.8	131.57	0.79	-0.407	0.312	0.390	0.260	0.247	3.068	-0.407	0.312	0.390	0.260	0.247	3.068

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
E3S-305 E4S-113	E3S-305	E4S-113	6	132.8	126.41	0.60	-0.208	0.520	0.585	0.292	0.312	4.386	-0.208	0.520	0.585	0.292	0.312	4.385
E3S-306 E3S-307	E3S-306	E3S-307	8	131.57	129.19	0.78	-0.407	0.322	0.390	0.260	0.251	3.082	-0.407	0.322	0.390	0.260	0.251	3.082
E3S-307 E3S-308	E3S-307	E3S-308	8	129.19	125.82	0.93	-0.428	0.275	0.359	0.239	0.257	3.544	-0.428	0.275	0.359	0.239	0.257	3.543
E3S-308 D3S-604	E3S-308	D3S-604	8	125.82	121	1.13	-0.373	0.233	0.440	0.294	0.263	3.282	-0.373	0.233	0.440	0.294	0.263	3.281
E3S-401 E3S-404	E3S-401	E3S-404	8	150.81	149.53	0.55	-0.394	0.353	0.409	0.273	0.195	2.355	-0.392	0.358	0.413	0.275	0.198	2.365
E3S-402 E3S-403	E3S-402	E3S-403	6	159.01	152.91	0.63	-0.425	0.012	0.151	0.075	0.008	0.971	-0.425	0.012	0.151	0.075	0.008	0.972
E3S-403 E3S-404	E3S-403	E3S-404	6	152.91	149.53	0.42	-0.276	0.049	0.447	0.224	0.021	0.679	-0.275	0.050	0.451	0.225	0.021	0.676
E3S-404 E3S-405	E3S-404	E3S-405	8	149.53	149.15	0.90	-0.443	0.243	0.336	0.224	0.219	3.303	-0.441	0.247	0.338	0.225	0.222	3.315
E3S-405 E3S-109	E3S-405	E3S-109	8	149.15	143.27	1.20	-0.405	0.210	0.393	0.262	0.252	3.548	-0.403	0.212	0.395	0.264	0.255	3.561
E3S-406 E3S-405	E3S-406	E3S-405	6	150.35	149.15	0.31	-0.293	0.094	0.414	0.207	0.029	0.858	-0.292	0.094	0.417	0.208	0.029	0.855
E3S-407 E3S-406	E3S-407	E3S-406	6	150.46	150.35	0.23	-0.395	0.017	0.211	0.106	0.004	0.308	-0.394	0.017	0.211	0.106	0.004	0.308
E3S-408 E3S-503	E3S-408	E3S-503	6	161.83	160.61	0.31	-0.442	0.013	0.117	0.058	0.004	0.610	-0.442	0.013	0.117	0.058	0.004	0.610
E3S-409 E3S-403	E3S-409	E3S-403	6	158.13	152.91	0.51	-0.425	0.017	0.151	0.075	0.009	1.011	-0.425	0.017	0.151	0.075	0.009	1.012
E3S-410 E3S-411	E3S-410	E3S-411	6	162.32	159.62	0.40	-0.439	0.010	0.122	0.061	0.004	0.627	-0.439	0.010	0.122	0.061	0.004	0.627
E3S-411 E2S-610	E3S-411	E2S-610	6	159.62	157.73	0.33	-0.254	0.032	0.492	0.246	0.011	0.324	-0.251	0.032	0.497	0.249	0.011	0.321
E3S-412 E3S-402	E3S-412	E3S-402	6	160.48	159.01	0.31	-0.461	0.013	0.078	0.039	0.004	0.850	-0.461	0.013	0.079	0.039	0.004	0.850
E3S-501 E3S-406	E3S-501	E3S-406	6	151.55	150.35	0.31	-0.395	0.077	0.211	0.106	0.024	1.326	-0.394	0.077	0.211	0.106	0.024	1.326
E3S-502 E3S-501	E3S-502	E3S-501	6	155.25	151.55	0.42	-0.406	0.054	0.188	0.094	0.023	1.546	-0.406	0.054	0.188	0.094	0.023	1.546
E3S-503 E3S-502	E3S-503	E3S-502	6	160.61	155.25	0.51	-0.421	0.029	0.157	0.079	0.015	1.404	-0.421	0.029	0.157	0.079	0.015	1.404
E3S-504 E3S-506	E3S-504	E3S-506	6	148.86	144.63	0.54	-0.446	0.009	0.107	0.054	0.005	0.894	-0.446	0.009	0.108	0.054	0.005	0.894
E3S-505 E3S-512	E3S-505	E3S-512	6	157.61	152.05	0.52	-0.453	0.007	0.095	0.047	0.004	0.849	-0.453	0.008	0.095	0.047	0.004	0.849
E3S-506 E3S-507	E3S-506	E3S-507	6	144.63	141.65	0.44	-0.436	0.024	0.129	0.064	0.011	1.267	-0.436	0.025	0.129	0.065	0.011	1.268
E3S-507 E3S-209	E3S-507	E3S-209	6	141.65	137.46	0.44	-0.421	0.036	0.157	0.079	0.016	1.404	-0.421	0.036	0.158	0.079	0.016	1.404
E3S-508 E3S-509	E3S-508	E3S-509	6	149.43	145.74	0.49	-0.451	0.010	0.099	0.050	0.005	0.936	-0.450	0.010	0.099	0.050	0.005	0.937
E3S-509 E3S-612	E3S-509	E3S-612	6	145.74	140.68	0.52	-0.437	0.021	0.126	0.063	0.011	1.371	-0.437	0.021	0.126	0.063	0.011	1.371
E3S-510 E3S-509	E3S-510	E3S-509	6	147.48	145.74	0.52	-0.451	0.006	0.099	0.050	0.003	0.653	-0.450	0.006	0.099	0.050	0.003	0.654
E3S-511 E3S-601	E3S-511	E3S-601	6	148.01	146.62	0.31	-0.450	0.013	0.100	0.050	0.004	0.697	-0.450	0.013	0.100	0.050	0.004	0.697
E3S-512 E3S-610	E3S-512	E3S-610	6	152.05	148.11	0.52	-0.290	0.019	0.420	0.210	0.010	0.443	-0.290	0.019	0.420	0.210	0.010	0.443
E3S-513 E3S-207	E3S-513	E3S-207	6	141.9	139.3	0.40	-0.445	0.012	0.110	0.055	0.005	0.811	-0.445	0.012	0.110	0.055	0.005	0.811
E3S-514 E3S-407	E3S-514	E3S-407	6	151.53	150.46	0.28	-0.447	0.007	0.106	0.053	0.002	0.390	-0.447	0.007	0.106	0.053	0.002	0.390
E3S-601 E3S-604	E3S-601	E3S-604	6	146.62	144.25	0.42	-0.301	0.021	0.398	0.199	0.009	0.387	-0.301	0.021	0.399	0.199	0.009	0.387
E3S-602 E3S-612	E3S-602	E3S-612	6	141.88	140.68	0.29	-0.437	0.010	0.126	0.063	0.003	0.452	-0.437	0.010	0.126	0.063	0.003	0.452
E3S-603 E4S-413	E3S-603	E4S-413	6	128.37	123.09	0.49	-0.439	0.014	0.122	0.061	0.007	0.997	-0.439	0.014	0.122	0.061	0.007	0.997
E3S-604 E3S-605	E3S-604	E3S-605	6	144.25	139.59	0.57	-0.299	0.335	0.402	0.201	0.190	4.008	-0.299	0.336	0.402	0.201	0.190	4.009
E3S-605 E3S-606	E3S-605	E3S-606	6	139.59	135.18	0.56	-0.049	0.340	0.901	0.451	0.192	2.172	-0.049	0.340	0.902	0.451	0.192	2.174
E3S-606 E3S-305	E3S-606	E3S-305	8	135.18	132.8	0.69	-0.216	0.801	0.676	0.451	0.550	3.504	-0.216	0.801	0.676	0.451	0.550	3.504
E3S-607 E4S-405	E3S-607	E4S-405	6	127.86	121.8	0.51	-0.443	0.013	0.114	0.057	0.007	1.064	-0.443	0.013	0.114	0.057	0.007	1.065
E3S-608 E3S-606	E3S-608	E3S-606	8	140.66	138.95	0.68	-0.324	0.525	0.514	0.343	0.355	3.047	-0.324	0.525	0.514	0.343	0.356	3.047
E3S-609 E3S-305	E3S-609	E3S-305	6	135.27	132.8	0.44	-0.244	0.013	0.511	0.256	0.006	0.415	-0.244	0.013	0.512	0.256	0.006	0.415
E3S-610 E3S-604	E3S-610	E3S-604	6	148.11	144.25	0.47	-0.290	0.369	0.421	0.210	0.175	3.452	-0.290	0.370	0.421	0.211	0.175	3.453
E3S-611 E3S-608	E3S-611	E3S-608	8	142.37	140.66	0.68	-0.324	0.518	0.514	0.343	0.351	3.024	-0.324	0.519	0.514	0.343	0.351	3.024
E3S-612 E3S-301	E3S-612	E3S-301	6	140.68	137.39	0.44	-0.425	0.034	0.151	0.076	0.015	1.398	-0.424	0.034	0.151	0.076	0.015	1.399
E4P-302 E4P-303	E4P-302	E4P-303	8	19.89	19.58	0.65	-0.611	0.000	0.083	0.055	0.000	0.190	-0.611	0.000	0.083	0.055	0.000	0.190
E4S-101 E4S-103	E4S-101	E4S-103	6	119.57	115.66	0.42	-0.417	0.040	0.166	0.083	0.017	1.389	-0.417	0.040	0.166	0.083	0.017	1.390
E4S-102 E4S-101	E4S-102	E4S-101	6	121	119.57	0.45	-0.432	0.006	0.136	0.068	0.003	0.464	-0.432	0.006	0.136	0.068	0.003	0.464
E4S-103 E4S-104	E4S-103	E4S-104	6	115.66	114.15	0.38	-0.411	0.060	0.177	0.089	0.023	1.565	-0.411	0.060	0.178	0.089	0.023	1.564
E4S-104 E4S-118	E4S-104	E4S-118	6	114.15	113.41	0.38	-0.389	0.068	0.222	0.111	0.026	1.442	-0.385	0.068	0.231	0.115	0.026	1.412
E4S-105 E4S-106	E4S-105	E4S-106	30	111.88	109.64	24.12	-1.432	0.308	0.427	1.068	7.421	6.103	-1.324	0.364	0.470	1.176	8.776	6.363
E4S-106 E4S-109	E4S-106	E4S-109	30	109.64	108.69	19.90	-1.398	0.373	0.441	1.102	7.430	5.637	-1.287	0.442	0.485	1.213	8.787	5.883
E4S-107 E4S-115	E4S-107	E4S-115	6	124.24	123.28	0.33	-0.447	0.012	0.106	0.053	0.004	0.675	-0.447	0.012	0.106	0.053	0.004	0.676
E4S-108 E4S-109	E4S-108	E4S-109	6	114.6	108.69	0.69	0.602	0.007	2.204	1.102	0.005	0.333	0.713	0.007	2.426	1.213	0.005	0.331

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
E4S-109_E4S-112	E4S-109	E4S-112	30	108.69	107.84	18.51	-1.397	0.402	0.441	1.103	7.441	5.528	-1.286	0.476	0.486	1.215	8.801	5.771
E4S-110_E4S-111	E4S-110	E4S-111	6	110.74	106.23	0.69	1.670	0.006	4.340	2.170	0.004	0.243	1.836	0.006	4.672	2.336	0.004	0.243
E4S-111_D4S-407	E4S-111	D4S-407	30	106.23	106.9	13.42	-0.330	0.556	0.868	2.170	7.459	4.120	-0.164	0.658	0.935	2.336	8.825	4.435
E4S-112_E4S-111	E4S-112	E4S-111	30	107.84	106.23	47.88	-0.330	0.156	0.868	2.170	7.447	3.572	-0.164	0.184	0.935	2.336	8.809	3.816
E4S-113_E4S-114	E4S-113	E4S-114	6	126.41	121.7	0.49	-0.200	0.646	0.600	0.300	0.316	4.045	-0.200	0.646	0.600	0.300	0.316	4.044
E4S-114_E4S-117	E4S-114	E4S-117	6	121.7	118.14	0.49	-0.133	0.671	0.735	0.367	0.329	3.643	-0.133	0.671	0.734	0.367	0.329	3.643
E4S-115_E4S-114	E4S-115	E4S-114	6	123.28	121.7	0.36	-0.200	0.022	0.600	0.300	0.008	0.431	-0.200	0.022	0.600	0.300	0.008	0.430
E4S-116_E4S-117	E4S-116	E4S-117	6	118.64	118.14	0.28	-0.133	0.017	0.735	0.367	0.005	0.245	-0.133	0.017	0.734	0.367	0.005	0.245
E4S-117_D4S-406	E4S-117	D4S-406	6	118.14	114.56	0.38	-0.133	0.890	0.735	0.367	0.337	3.413	-0.133	0.890	0.734	0.367	0.337	3.412
E4S-118_E4S-105	E4S-118	E4S-105	6	113.41	111.88	0.38	0.455	0.075	1.910	0.955	0.029	0.643	0.548	0.075	2.096	1.048	0.029	0.649
E4S-201_E4S-202	E4S-201	E4S-202	6	21.28	21.28	0.00	-0.436	-21.279	0.128	0.064	0.001	0.164	-0.436	-21.279	0.128	0.064	0.001	0.164
E4S-202_E4S-300	E4S-202	E4S-300	6	21.28	20.76	0.15	-0.474	0.005	0.052	0.026	0.001	0.402	-0.474	0.005	0.052	0.026	0.001	0.402
E4S-206_E4S-201	E4S-206	E4S-201	6	21.58	21.28	0.12	-0.436	0.009	0.128	0.064	0.001	0.216	-0.436	0.009	0.128	0.064	0.001	0.210
E4S-300_E4S-302	E4S-300	E4S-302	6	20.75	20.45	0.12	-0.293	0.006	0.414	0.207	0.001	0.131	-0.293	0.008	0.414	0.207	0.001	0.166
E4S-401_E4S-101	E4S-401	E4S-101	6	121.59	119.57	0.40	-0.432	0.027	0.136	0.068	0.011	1.181	-0.432	0.027	0.136	0.068	0.011	1.182
E4S-402_E4S-105	E4S-402	E4S-105	30	113.55	111.88	23.70	-1.541	0.312	0.384	0.959	7.388	6.614	-1.449	0.369	0.420	1.051	8.739	6.919
E4S-403_E4S-404	E4S-403	E4S-404	6	117.86	115.03	0.50	-0.435	0.010	0.131	0.065	0.005	0.780	-0.432	0.010	0.136	0.068	0.005	0.762
E4S-404_E4S-402	E4S-404	E4S-402	6	115.03	113.55	0.36	0.458	0.024	1.916	0.958	0.009	0.364	0.550	0.024	2.100	1.050	0.009	0.365
E4S-405_E4S-406	E4S-405	E4S-406	6	121.8	116.84	0.49	-0.417	0.028	0.166	0.083	0.014	1.256	-0.417	0.028	0.166	0.083	0.014	1.260
E4S-406_E4S-407	E4S-406	E4S-407	6	116.84	116.18	0.31	-0.408	0.060	0.184	0.092	0.019	1.252	-0.413	0.060	0.175	0.087	0.019	1.346
E4S-407_E4S-409	E4S-407	E4S-409	6	116.18	114.38	0.31	0.672	0.085	2.343	1.172	0.026	0.561	0.786	0.085	2.572	1.286	0.026	0.563
E4S-408_E4S-407	E4S-408	E4S-407	6	116.93	116.18	0.40	-0.408	0.014	0.184	0.092	0.006	0.606	-0.413	0.014	0.175	0.087	0.006	0.665
E4S-409_E4S-402	E4S-409	E4S-402	30	114.38	113.55	16.06	-1.328	0.459	0.469	1.172	7.373	5.179	-1.214	0.543	0.514	1.286	8.721	5.466
E4S-410_E4S-411	E4S-410	E4S-411	6	122.19	118.78	0.40	-0.418	0.042	0.165	0.082	0.017	1.371	-0.417	0.042	0.165	0.083	0.017	1.371
E4S-411_E4S-412	E4S-411	E4S-412	6	118.78	115.45	0.40	0.684	0.059	2.369	1.184	0.023	0.540	0.806	0.059	2.612	1.306	0.024	0.541
E4S-412_E4S-409	E4S-412	E4S-409	30	115.45	114.38	16.05	-1.316	0.458	0.474	1.184	7.343	5.016	-1.194	0.541	0.522	1.306	8.688	5.259
E4S-413_E4S-410	E4S-413	E4S-410	6	123.09	122.19	0.40	-0.431	0.032	0.139	0.069	0.013	1.300	-0.431	0.032	0.139	0.069	0.013	1.300
E4S-414_E4S-401	E4S-414	E4S-401	6	123.23	121.59	0.40	-0.444	0.015	0.112	0.056	0.006	0.900	-0.444	0.015	0.113	0.056	0.006	0.901
E4S-502_E4S-503	E4S-502	E4S-503	6	24.59	24	0.00	-0.497	0.000	0.006	0.003	0.000	0.079	-0.497	0.000	0.006	0.003	0.000	0.079
E4S-603_E4S-301	E4S-603	E4S-301	6	22	21.83	0.00	-0.491	0.000	0.018	0.009	0.000	0.088	-0.491	0.000	0.018	0.009	0.000	0.088
F1P-301_F1S-303	F1P-301	F1S-303	6	175.02	174.76	0.28	-0.269	0.438	0.463	0.231	0.124	2.166	-0.221	0.600	0.557	0.279	0.170	2.341
F1S-301_F1S-310	F1S-301	F1S-310	6	172.85	172.55	0.28	-0.266	0.446	0.468	0.234	0.125	2.161	-0.218	0.611	0.564	0.282	0.171	2.343
F1S-302_F1P-301	F1S-302	F1P-301	6	175.61	175.02	0.28	-0.268	0.439	0.463	0.232	0.124	2.159	-0.221	0.600	0.558	0.279	0.169	2.332
F1S-303_F1S-304	F1S-303	F1S-304	6	174.76	174.18	0.28	-0.267	0.435	0.466	0.233	0.124	2.155	-0.219	0.596	0.562	0.281	0.170	2.331
F1S-304_F1S-301	F1S-304	F1S-301	6	174.18	172.85	0.28	-0.266	0.443	0.468	0.234	0.125	2.149	-0.218	0.607	0.564	0.282	0.171	2.326
F1S-305_F1S-304	F1S-305	F1S-304	6	174.66	174.18	0.31	-0.267	0.003	0.466	0.233	0.001	0.337	-0.219	0.003	0.562	0.281	0.001	0.337
F1S-306_F1S-302	F1S-306	F1S-302	6	176.52	175.61	0.28	-0.268	0.429	0.463	0.232	0.121	2.129	-0.221	0.589	0.558	0.279	0.166	2.307
F1S-307_F1S-306	F1S-307	F1S-306	6	177.04	176.52	0.28	-0.271	0.429	0.458	0.229	0.121	2.142	-0.224	0.588	0.552	0.276	0.166	2.316
F1S-308_F1S-307	F1S-308	F1S-307	6	177.08	177.04	0.11	-0.200	1.122	0.599	0.300	0.121	1.776	-0.140	1.537	0.720	0.360	0.165	1.946
F1S-309_F1S-308	F1S-309	F1S-308	6	177.72	177.08	0.31	-0.200	0.389	0.599	0.300	0.120	1.789	-0.140	0.532	0.720	0.360	0.164	1.953
F1S-310_E1S-614	F1S-310	E1S-614	6	172.55	171.56	0.28	-0.267	0.443	0.465	0.233	0.126	2.251	-0.221	0.607	0.559	0.280	0.172	2.478
F1S-311_F1P-301	F1S-311	F1P-301	6	175.31	175.02	0.22	-0.269	0.000	0.463	0.231	0.000	0.132	-0.221	0.000	0.557	0.279	0.000	0.132
F1S-601_F2S-404	F1S-601	F2S-404	6	185.72	184.32	0.31	-0.285	0.348	0.431	0.215	0.108	2.143	-0.239	0.488	0.521	0.261	0.151	2.341
F2P-101_F2S-106	F2P-101	F2S-106	6	186.51	181.28	0.82	-0.339	0.004	0.321	0.161	0.003	0.718	-0.310	0.004	0.380	0.190	0.003	0.303
F2P-402_F2S-401	F2P-402	F2S-401	6	190.26	188.49	0.61	-0.315	0.170	0.371	0.186	0.103	2.888	-0.276	0.240	0.448	0.224	0.146	3.171
F2S-101_E2S-413	F2S-101	E2S-413	6	176.4	174.84	0.44	-0.462	0.002	0.076	0.038	0.001	0.349	-0.458	0.003	0.084	0.042	0.001	0.440
F2S-103_F1S-309	F2S-103	F1S-309	6	178.42	177.72	0.31	-0.276	0.385	0.447	0.224	0.120	2.232	-0.229	0.528	0.542	0.271	0.164	2.403
F2S-104_F2P-101	F2S-104	F2P-101	6	187.47	186.51	0.69	-0.478	0.003	0.044	0.022	0.002	1.081	-0.478	0.003	0.044	0.022	0.002	1.080
F2S-105_F2P-101	F2S-105	F2P-101	6	186.77	186.51	0.27	-0.478	0.004	0.044	0.022	0.001	0.508	-0.478	0.004	0.044	0.022	0.001	0.508
F2S-106_F2S-103	F2S-106	F2S-103	6	181.28	178.42	0.54	-0.284	0.222	0.431	0.216	0.119	2.730	-0.241	0.304	0.518	0.259	0.163	2.957
F2S-107_F2S-115	F2S-107	F2S-115	8	197.5	195.9	0.67	-0.324	0.524	0.514	0.343	0.351	3.011	-0.315	0.548	0.528	0.352	0.367	3.050

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
F2S-108_E2S-412	F2S-108	E2S-412	8	183.4	180.6	0.79	-0.471	0.187	0.293	0.196	0.149	2.700	-0.465	0.199	0.302	0.202	0.158	2.746
F2S-109_F2S-110	F2S-109	F2S-110	6	187.87	185.91	0.40	-0.351	0.037	0.299	0.149	0.015	0.732	-0.315	0.057	0.369	0.185	0.023	0.835
F2S-110_F2S-205	F2S-110	F2S-205	6	185.91	185.31	0.17	-0.349	0.197	0.302	0.151	0.033	1.266	-0.314	0.294	0.373	0.186	0.049	1.430
F2S-111_F2S-109	F2S-111	F2S-109	6	190.95	187.87	0.42	-0.434	0.031	0.132	0.066	0.013	1.380	-0.418	0.047	0.163	0.082	0.020	1.565
F2S-112_F2S-113	F2S-112	F2S-113	8	188.09	185.1	1.14	-0.413	0.309	0.381	0.254	0.352	4.459	-0.406	0.323	0.391	0.261	0.368	4.514
F2S-113_F2S-108	F2S-113	F2S-108	8	185.1	183.4	0.62	-0.446	0.236	0.330	0.220	0.146	2.256	-0.441	0.248	0.339	0.226	0.154	2.289
F2S-113_F2S-114	F2S-113	F2S-114	6	185.1	179.64	0.52	-0.242	0.401	0.516	0.258	0.209	3.480	-0.234	0.421	0.533	0.266	0.219	3.513
F2S-114_E2S-502	F2S-114	E2S-502	6	179.64	176.09	0.40	-0.242	0.528	0.516	0.258	0.211	3.199	-0.234	0.556	0.533	0.266	0.222	3.241
F2S-115_F2S-112	F2S-115	F2S-112	6	195.9	188.09	0.57	-0.217	0.613	0.566	0.283	0.351	4.751	-0.209	0.640	0.582	0.291	0.367	4.800
F2S-201_F2S-208	F2S-201	F2S-208	8	178.8	177.6	0.56	-0.313	0.555	0.531	0.354	0.310	2.727	-0.299	0.590	0.551	0.367	0.330	2.779
F2S-202_F2S-110	F2S-202	F2S-110	6	189.41	185.91	0.40	-0.351	0.033	0.299	0.149	0.013	0.662	-0.315	0.050	0.369	0.185	0.020	0.754
F2S-203_F2S-504	F2S-203	F2S-504	6	181.5	180.3	0.26	-0.142	0.095	0.715	0.358	0.024	0.409	-0.129	0.142	0.742	0.371	0.036	0.554
F2S-204_F2S-203	F2S-204	F2S-203	6	182.41	181.5	0.22	-0.398	0.087	0.204	0.102	0.019	1.063	-0.375	0.130	0.250	0.125	0.029	1.185
F2S-205_F2S-204	F2S-205	F2S-204	6	185.31	182.41	0.40	-0.401	0.036	0.199	0.099	0.015	1.063	-0.379	0.053	0.242	0.121	0.021	1.181
F2S-205_F2S-206	F2S-205	F2S-206	6	185.31	177	0.62	-0.272	0.036	0.457	0.228	0.022	0.720	-0.254	0.053	0.492	0.246	0.033	0.919
F2S-206_E2S-512	F2S-206	E2S-512	6	177	174.9	0.30	-0.160	0.430	0.681	0.341	0.131	1.717	-0.139	0.488	0.722	0.361	0.148	1.803
F2S-207_E2S-512	F2S-207	E2S-512	8	176.4	174.9	0.57	-0.326	0.387	0.511	0.341	0.222	2.103	-0.306	0.416	0.541	0.361	0.238	2.115
F2S-208_F2S-206	F2S-208	F2S-206	6	177.6	177	0.17	-0.223	0.596	0.555	0.277	0.101	1.606	-0.212	0.633	0.576	0.288	0.107	1.588
F2S-208_F2S-207	F2S-208	F2S-207	8	177.6	176.4	0.59	-0.380	0.364	0.430	0.287	0.214	2.356	-0.368	0.390	0.448	0.299	0.229	2.393
F2S-209_F2S-303	F2S-209	F2S-303	6	180.24	178.24	0.40	-0.430	0.013	0.140	0.070	0.005	0.680	-0.428	0.016	0.145	0.072	0.006	0.771
F2S-210_F2S-207	F2S-210	F2S-207	6	177.65	176.4	0.28	-0.213	0.011	0.574	0.287	0.003	0.192	-0.201	0.011	0.597	0.299	0.003	0.123
F2S-301_F2S-304	F2S-301	F2S-304	6	173.46	171.69	0.31	-0.388	0.110	0.224	0.112	0.034	1.609	-0.386	0.114	0.229	0.114	0.035	1.627
F2S-302_F2S-301	F2S-302	F2S-301	6	173.87	173.46	0.32	-0.388	0.092	0.223	0.112	0.029	1.454	-0.386	0.096	0.228	0.114	0.030	1.476
F2S-303_F2S-311	F2S-303	F2S-311	6	178.24	175.28	0.40	-0.408	0.042	0.184	0.092	0.017	1.270	-0.406	0.045	0.189	0.094	0.018	1.306
F2S-304_F2S-305	F2S-304	F2S-305	6	171.69	167.69	0.66	-0.353	0.105	0.294	0.147	0.069	2.679	-0.352	0.107	0.297	0.148	0.070	2.700
F2S-305_F2S-306	F2S-305	F2S-306	6	167.69	162.15	0.51	-0.316	0.190	0.368	0.184	0.096	2.613	-0.315	0.193	0.370	0.185	0.097	2.627
F2S-306_E2S-610	F2S-306	E2S-610	6	162.15	157.73	0.45	-0.254	0.290	0.492	0.246	0.132	2.524	-0.251	0.294	0.497	0.249	0.134	2.525
F2S-307_F2S-306	F2S-307	F2S-306	6	166.96	162.15	0.54	-0.316	0.038	0.368	0.184	0.021	0.822	-0.315	0.038	0.370	0.185	0.021	0.818
F2S-308_F2S-307	F2S-308	F2S-307	6	169.13	166.96	0.33	-0.429	0.044	0.143	0.071	0.015	1.322	-0.429	0.044	0.143	0.071	0.015	1.323
F2S-309_F2S-308	F2S-309	F2S-308	6	173.47	169.13	0.47	-0.429	0.014	0.142	0.071	0.007	0.859	-0.429	0.014	0.142	0.071	0.007	0.859
F2S-310_F2S-302	F2S-310	F2S-302	6	174.73	173.87	0.36	-0.397	0.011	0.206	0.103	0.004	0.359	-0.395	0.011	0.210	0.105	0.004	0.351
F2S-311_F2S-302	F2S-311	F2S-302	6	175.28	173.87	0.31	-0.397	0.074	0.206	0.103	0.023	1.317	-0.395	0.078	0.210	0.105	0.024	1.343
F2S-401_F2S-403	F2S-401	F2S-403	6	188.49	187.41	0.36	-0.313	0.294	0.375	0.187	0.105	2.433	-0.274	0.414	0.451	0.226	0.147	2.671
F2S-402_F2P-402	F2S-402	F2P-402	6	190.46	190.26	0.13	-0.360	0.030	0.280	0.140	0.004	0.250	-0.332	0.030	0.336	0.168	0.004	0.215
F2S-403_F1S-601	F2S-403	F1S-601	6	187.41	185.72	0.36	-0.297	0.300	0.406	0.203	0.107	2.335	-0.254	0.420	0.491	0.246	0.150	2.550
F2S-404_F2S-405	F2S-404	F2S-405	6	184.32	183.73	0.28	-0.285	0.390	0.431	0.215	0.109	2.147	-0.239	0.547	0.521	0.261	0.152	2.380
F2S-405_F2S-409	F2S-405	F2S-409	6	183.73	183.05	0.33	-0.297	0.346	0.406	0.203	0.115	2.391	-0.257	0.477	0.486	0.243	0.159	2.600
F2S-406_F2S-405	F2S-406	F2S-405	6	189.1	183.73	0.86	-0.298	0.007	0.405	0.202	0.006	0.332	-0.257	0.007	0.485	0.243	0.006	0.303
F2S-407_F2S-406	F2S-407	F2S-406	6	190.7	189.1	0.40	-0.461	0.012	0.077	0.039	0.005	1.076	-0.461	0.012	0.078	0.039	0.005	1.077
F2S-408_F2S-407	F2S-408	F2S-407	6	200.51	190.7	1.12	-0.461	0.003	0.077	0.039	0.003	0.988	-0.461	0.003	0.077	0.039	0.003	0.988
F2S-409_F2S-106	F2S-409	F2S-106	6	183.05	181.28	0.38	-0.311	0.304	0.379	0.189	0.116	2.632	-0.274	0.420	0.452	0.226	0.159	2.868
F2S-410_F2S-411	F2S-410	F2S-411	6	203.83	200.7	0.60	-0.153	0.335	0.695	0.347	0.202	2.843	-0.143	0.360	0.713	0.357	0.218	2.944
F2S-411_F2S-413	F2S-411	F2S-413	8	200.7	199.2	0.65	-0.320	0.536	0.521	0.347	0.350	2.980	-0.310	0.560	0.535	0.357	0.366	3.022
F2S-412_F2S-411	F2S-412	F2S-411	8	202.6	200.7	0.70	-0.320	0.211	0.521	0.347	0.147	1.631	-0.310	0.211	0.535	0.357	0.148	1.594
F2S-413_F2S-107	F2S-413	F2S-107	8	199.2	197.5	0.69	-0.324	0.509	0.514	0.343	0.350	3.034	-0.315	0.531	0.528	0.352	0.366	3.067
F2S-414_F2S-415	F2S-414	F2S-415	6	213.31	210.22	0.40	-0.260	0.466	0.480	0.240	0.187	3.119	-0.249	0.505	0.503	0.251	0.203	3.182
F2S-415_F2S-410	F2S-415	F2S-410	6	210.22	203.83	0.58	-0.298	0.342	0.403	0.202	0.198	4.143	-0.290	0.369	0.420	0.210	0.214	4.230
F2S-501_F2S-502	F2S-501	F2S-502	6	196.84	193.65	0.40	-0.448	0.018	0.105	0.053	0.007	1.120	-0.436	0.028	0.129	0.065	0.011	1.273
F2S-502_F2S-111	F2S-502	F2S-111	6	193.65	190.95	0.38	-0.440	0.023	0.119	0.060	0.009	1.131	-0.427	0.036	0.147	0.073	0.014	1.285
F2S-503_F2S-202	F2S-503	F2S-202	6	191.02	189.41	0.28	-0.439	0.031	0.123	0.062	0.009	0.969	-0.424	0.047	0.151	0.076	0.013	1.101
F2S-504_F2S-201	F2S-504	F2S-201	8	180.3	178.8	0.54	-0.309	0.567	0.537	0.358	0.307	2.513	-0.295	0.602	0.557	0.372	0.326	2.547

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
F2S-505_F2S-504	F2S-505	F2S-504	8	181.7	180.3	0.65	-0.309	0.424	0.536	0.358	0.277	2.458	-0.296	0.432	0.557	0.371	0.281	2.418
F2S-506_F2S-503	F2S-506	F2S-503	6	194.26	191.02	0.40	-0.440	0.011	0.120	0.060	0.005	0.711	-0.427	0.017	0.147	0.074	0.007	0.807
F2S-507_F2S-508	F2S-507	F2S-508	6	204.11	203.5	0.52	-0.282	0.108	0.437	0.218	0.057	1.529	-0.281	0.109	0.437	0.219	0.057	1.531
F2S-508_F2S-412	F2S-508	F2S-412	8	203.5	202.6	0.48	-0.448	0.233	0.328	0.218	0.111	1.798	-0.448	0.233	0.328	0.219	0.111	1.799
F2S-509_F2S-412	F2S-509	F2S-412	6	204.9	202.6	0.33	-0.292	0.107	0.416	0.208	0.035	0.997	-0.292	0.107	0.416	0.208	0.035	0.997
F2S-509_F2S-508	F2S-509	F2S-508	8	204.9	203.5	0.91	-0.448	0.057	0.328	0.218	0.052	1.205	-0.448	0.057	0.328	0.219	0.052	1.204
F2S-510_F2S-509	F2S-510	F2S-509	8	205.8	204.9	0.53	-0.485	0.163	0.273	0.182	0.087	1.832	-0.485	0.163	0.273	0.182	0.087	1.832
F2S-511_F2S-513	F2S-511	F2S-513	6	190.2	186.34	0.47	-0.369	0.046	0.261	0.131	0.022	1.176	-0.368	0.047	0.264	0.132	0.022	1.180
F2S-512_F2S-514	F2S-512	F2S-514	6	202.64	199.94	0.40	-0.465	0.006	0.070	0.035	0.002	0.681	-0.457	0.008	0.086	0.043	0.003	0.776
F2S-513_F2S-516	F2S-513	F2S-516	6	186.34	182.5	0.47	-0.181	0.151	0.637	0.319	0.071	1.298	-0.179	0.153	0.643	0.321	0.072	1.305
F2S-514_F2S-501	F2S-514	F2S-501	6	199.94	196.84	0.40	-0.453	0.010	0.094	0.047	0.004	0.804	-0.443	0.015	0.115	0.058	0.006	0.915
F2S-515_F2S-506	F2S-515	F2S-506	6	197.3	194.26	0.40	-0.463	0.004	0.074	0.037	0.002	0.496	-0.455	0.006	0.091	0.046	0.002	0.562
F2S-516_F2S-505	F2S-516	F2S-505	8	182.5	181.7	0.58	-0.348	0.469	0.478	0.319	0.274	2.660	-0.345	0.476	0.482	0.321	0.278	2.672
F2S-601_F2S-617	F2S-601	F2S-617	6	195.23	191.84	0.66	-0.417	0.037	0.167	0.083	0.024	2.063	-0.417	0.037	0.167	0.084	0.024	2.064
F2S-602_F2S-615	F2S-602	F2S-615	6	191.22	184.9	0.61	-0.313	0.057	0.373	0.187	0.034	1.257	-0.313	0.057	0.374	0.187	0.034	1.258
F2S-603_F2S-602	F2S-603	F2S-602	6	196.68	191.22	0.57	-0.420	0.037	0.161	0.081	0.021	1.805	-0.419	0.037	0.161	0.081	0.021	1.806
F2S-604_F2S-601	F2S-604	F2S-601	6	199.04	195.23	0.66	-0.434	0.023	0.131	0.066	0.015	1.800	-0.434	0.023	0.132	0.066	0.015	1.801
F2S-605_F3S-402	F2S-605	F3S-402	6	196.22	191.08	0.50	-0.458	0.008	0.085	0.042	0.004	0.926	-0.458	0.008	0.085	0.042	0.004	0.927
F2S-606_F2S-304	F2S-606	F2S-304	6	175.64	171.69	0.44	-0.391	0.070	0.219	0.109	0.031	1.708	-0.390	0.070	0.221	0.111	0.031	1.697
F2S-607_F2S-608	F2S-607	F2S-608	6	182.45	178.67	0.47	-0.429	0.025	0.143	0.071	0.012	1.267	-0.429	0.025	0.143	0.071	0.012	1.267
F2S-608_F2S-606	F2S-608	F2S-606	6	178.67	175.64	0.42	-0.411	0.044	0.178	0.089	0.019	1.406	-0.411	0.044	0.179	0.089	0.019	1.407
F2S-609_F2S-607	F2S-609	F2S-607	6	188.93	182.45	0.62	-0.446	0.008	0.108	0.054	0.005	0.925	-0.446	0.008	0.108	0.054	0.005	0.925
F2S-610_F2S-303	F2S-610	F2S-303	6	184.18	178.24	0.54	-0.430	0.011	0.140	0.070	0.006	0.802	-0.428	0.011	0.145	0.072	0.006	0.777
F2S-611_F2S-616	F2S-611	F2S-616	6	186.65	185.4	0.28	-0.349	0.017	0.302	0.151	0.005	0.273	-0.349	0.017	0.302	0.151	0.005	0.273
F2S-612_F2S-606	F2S-612	F2S-606	6	176.18	175.64	0.40	-0.411	0.022	0.178	0.089	0.009	0.808	-0.411	0.022	0.179	0.089	0.009	0.808
F2S-613_F2S-614	F2S-613	F2S-614	6	194.82	190.46	0.51	-0.363	0.165	0.275	0.137	0.083	2.952	-0.362	0.167	0.277	0.138	0.085	2.963
F2S-614_F2S-618	F2S-614	F2S-618	6	190.46	183.6	0.63	-0.208	0.144	0.585	0.292	0.091	1.791	-0.207	0.146	0.587	0.293	0.092	1.801
F2S-615_F2S-618	F2S-615	F2S-618	8	184.9	183.6	0.52	-0.374	0.175	0.438	0.292	0.091	1.217	-0.373	0.175	0.440	0.293	0.091	1.215
F2S-616_F2S-615	F2S-616	F2S-615	8	185.4	184.9	0.46	-0.480	0.109	0.280	0.187	0.051	1.129	-0.480	0.109	0.280	0.187	0.051	1.129
F2S-617_F2S-616	F2S-617	F2S-616	6	191.84	185.4	0.60	-0.349	0.061	0.302	0.151	0.037	1.622	-0.349	0.061	0.302	0.151	0.037	1.623
F2S-618_F2S-516	F2S-618	F2S-516	8	183.6	182.5	0.48	-0.348	0.402	0.478	0.319	0.194	1.910	-0.345	0.405	0.482	0.321	0.195	1.906
F3S-101_F3S-109	F3S-101	F3S-109	6	166.05	164.29	0.33	-0.445	0.006	0.111	0.055	0.002	0.391	-0.445	0.006	0.111	0.055	0.002	0.392
F3S-102_E3S-409	F3S-102	E3S-409	6	162.15	158.13	0.43	-0.454	0.011	0.091	0.046	0.005	0.977	-0.454	0.011	0.091	0.046	0.005	0.977
F3S-103_F3S-107	F3S-103	F3S-107	6	170.86	169.3	0.33	-0.414	0.050	0.172	0.086	0.017	1.253	-0.414	0.050	0.172	0.086	0.017	1.254
F3S-104_F3S-102	F3S-104	F3S-102	6	166.52	162.15	0.51	-0.463	0.002	0.074	0.037	0.001	0.377	-0.463	0.002	0.074	0.037	0.001	0.377
F3S-105_F3S-103	F3S-105	F3S-103	6	173.8	170.86	0.36	-0.424	0.022	0.152	0.076	0.008	0.831	-0.424	0.022	0.152	0.076	0.008	0.831
F3S-106_F3S-108	F3S-106	F3S-108	6	173.15	171.4	0.28	-0.400	0.088	0.200	0.100	0.025	1.397	-0.400	0.088	0.200	0.100	0.025	1.398
F3S-107_F2S-305	F3S-107	F2S-305	6	169.3	167.69	0.34	-0.353	0.065	0.294	0.147	0.022	0.958	-0.352	0.065	0.297	0.148	0.022	0.953
F3S-108_F3S-212	F3S-108	F3S-212	6	171.4	168.92	0.38	-0.393	0.082	0.214	0.107	0.031	1.671	-0.393	0.082	0.214	0.107	0.031	1.672
F3S-109_F2S-306	F3S-109	F2S-306	6	164.29	162.15	0.34	-0.316	0.026	0.368	0.184	0.009	0.373	-0.315	0.026	0.370	0.185	0.009	0.371
F3S-201_F3S-507	F3S-201	F3S-507	6	171.24	168.9	0.40	-0.353	0.017	0.295	0.147	0.007	0.405	-0.352	0.017	0.295	0.148	0.007	0.405
F3S-202_E3S-503	F3S-202	E3S-503	6	165.68	160.61	0.51	-0.442	0.013	0.117	0.058	0.007	1.044	-0.442	0.013	0.117	0.058	0.007	1.044
F3S-203_F3S-204	F3S-203	F3S-204	6	161.41	160.84	0.40	-0.465	0.010	0.070	0.035	0.004	0.997	-0.465	0.010	0.070	0.035	0.004	0.997
F3S-204_F3S-205	F3S-204	F3S-205	6	160.84	160.39	0.40	-0.458	0.010	0.085	0.042	0.004	0.868	-0.458	0.010	0.085	0.042	0.004	0.868
F3S-205_F3S-206	F3S-205	F3S-206	6	160.39	159.95	0.40	-0.458	0.015	0.085	0.042	0.006	1.140	-0.458	0.015	0.085	0.042	0.006	1.141
F3S-206_F3S-207	F3S-206	F3S-207	6	159.95	158.18	0.76	-0.452	0.008	0.095	0.048	0.006	1.274	-0.452	0.008	0.095	0.048	0.006	1.275
F3S-207_F3S-208	F3S-207	F3S-208	6	158.18	151.73	0.52	-0.286	0.019	0.428	0.214	0.010	0.375	-0.286	0.019	0.428	0.214	0.010	0.375
F3S-208_E3S-610	F3S-208	E3S-610	6	151.73	148.11	0.42	-0.286	0.382	0.429	0.214	0.160	3.092	-0.285	0.383	0.429	0.215	0.161	3.093
F3S-209_F3S-308	F3S-209	F3S-308	6	156.76	151.66	0.49	-0.410	0.032	0.180	0.090	0.016	1.298	-0.410	0.032	0.180	0.090	0.016	1.298
F3S-210_F3S-209	F3S-210	F3S-209	6	161.19	156.76	0.67	-0.439	0.007	0.122	0.061	0.005	0.834	-0.439	0.007	0.122	0.061	0.005	0.834
F3S-211_F3S-217	F3S-211	F3S-217	6	164	158.37	0.54	-0.322	0.250	0.355	0.178	0.135	3.451	-0.322	0.251	0.356	0.178	0.136	3.453

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
F3S-212_F3S-213	F3S-212	F3S-213	6	168.92	166.68	0.36	-0.390	0.101	0.221	0.110	0.036	1.770	-0.390	0.101	0.221	0.111	0.036	1.770
F3S-213_F3S-211	F3S-213	F3S-211	6	166.68	164	0.40	-0.330	0.107	0.340	0.170	0.043	1.465	-0.330	0.108	0.341	0.170	0.043	1.466
F3S-214_F3S-209	F3S-214	F3S-209	6	160.02	156.76	0.38	-0.439	0.021	0.122	0.061	0.008	1.015	-0.439	0.021	0.122	0.061	0.008	1.016
F3S-215_F3S-514	F3S-215	F3S-514	6	163.12	161.16	0.31	-0.434	0.019	0.133	0.066	0.006	0.729	-0.434	0.019	0.133	0.066	0.006	0.730
F3S-216_F3S-217	F3S-216	F3S-217	6	159.72	158.37	0.28	-0.322	0.021	0.355	0.178	0.006	0.279	-0.322	0.021	0.356	0.178	0.006	0.279
F3S-217_F3S-208	F3S-217	F3S-208	6	158.37	151.73	0.54	-0.286	0.272	0.428	0.214	0.146	3.160	-0.286	0.272	0.428	0.214	0.146	3.161
F3S-218_F3S-302	F3S-218	F3S-302	6	154.56	150.06	0.45	-0.457	0.009	0.087	0.043	0.004	0.883	-0.457	0.009	0.087	0.043	0.004	0.884
F3S-219_F3S-211	F3S-219	F3S-211	6	165.5	164	0.31	-0.318	0.284	0.365	0.182	0.088	2.105	-0.318	0.285	0.365	0.183	0.088	2.106
F3S-301_F3S-303	F3S-301	F3S-303	6	148.73	144.17	0.44	-0.164	0.029	0.673	0.336	0.013	0.363	-0.163	0.029	0.673	0.337	0.013	0.363
F3S-302_F3S-301	F3S-302	F3S-301	6	150.06	148.73	0.51	-0.442	0.015	0.117	0.058	0.008	1.154	-0.442	0.015	0.117	0.058	0.008	1.155
F3S-303_E3S-611	F3S-303	E3S-611	8	144.17	142.37	0.68	-0.327	0.509	0.510	0.340	0.346	3.012	-0.326	0.509	0.510	0.340	0.346	3.012
F3S-305_F3S-307	F3S-305	F3S-307	8	148.67	147.23	0.68	-0.342	0.406	0.486	0.324	0.275	2.669	-0.342	0.407	0.487	0.325	0.276	2.670
F3S-306_F4S-111	F3S-306	F4S-111	6	136.3	132.26	0.45	-0.455	0.006	0.091	0.045	0.003	0.690	-0.455	0.006	0.091	0.045	0.003	0.691
F3S-307_F3S-311	F3S-307	F3S-311	8	147.23	145.7	0.66	-0.331	0.479	0.503	0.336	0.314	2.815	-0.331	0.479	0.504	0.336	0.314	2.815
F3S-308_F3S-307	F3S-308	F3S-307	6	151.66	147.23	0.46	-0.176	0.071	0.649	0.324	0.032	0.682	-0.175	0.071	0.649	0.325	0.033	0.683
F3S-309_F3S-308	F3S-309	F3S-308	6	153.88	151.66	0.31	-0.410	0.031	0.180	0.090	0.010	0.807	-0.410	0.031	0.180	0.090	0.010	0.807
F3S-310_F3S-311	F3S-310	F3S-311	6	150.28	145.7	0.49	-0.164	0.014	0.671	0.336	0.007	0.222	-0.164	0.014	0.672	0.336	0.007	0.222
F3S-311_F3S-303	F3S-311	F3S-303	8	145.7	144.17	0.64	-0.330	0.507	0.505	0.336	0.326	2.868	-0.330	0.508	0.505	0.337	0.327	2.868
F3S-312_F3S-313	F3S-312	F3S-313	6	133.96	132.26	0.56	-0.440	0.007	0.120	0.060	0.004	0.685	-0.440	0.007	0.120	0.060	0.004	0.686
F3S-313_F4S-112	F3S-313	F4S-112	6	132.26	130.66	0.28	-0.437	0.031	0.127	0.063	0.009	0.976	-0.437	0.031	0.127	0.063	0.009	0.977
F3S-314_F4S-105	F3S-314	F4S-105	6	131.22	124.21	0.56	-0.436	0.009	0.127	0.064	0.005	0.774	-0.436	0.009	0.127	0.064	0.005	0.774
F3S-401_F3S-414	F3S-401	F3S-414	6	188.51	183.3	0.47	-0.386	0.094	0.228	0.114	0.044	2.184	-0.386	0.094	0.228	0.114	0.044	2.185
F3S-402_F3S-403	F3S-402	F3S-403	6	191.08	189.35	0.40	-0.454	0.015	0.091	0.046	0.006	1.076	-0.454	0.015	0.091	0.046	0.006	1.076
F3S-403_F3S-401	F3S-403	F3S-401	6	189.35	188.51	0.36	-0.397	0.017	0.206	0.103	0.006	0.508	-0.397	0.017	0.206	0.103	0.006	0.508
F3S-404_F3S-405	F3S-404	F3S-405	6	188.67	186.9	0.33	-0.460	0.009	0.081	0.040	0.003	0.697	-0.460	0.009	0.081	0.041	0.003	0.698
F3S-405_F3S-406	F3S-405	F3S-406	6	186.9	183.77	0.43	-0.453	0.014	0.095	0.047	0.006	1.077	-0.453	0.014	0.095	0.048	0.006	1.078
F3S-406_F3S-407	F3S-406	F3S-407	6	183.77	181.77	0.52	-0.453	0.019	0.095	0.048	0.010	1.601	-0.453	0.019	0.095	0.048	0.010	1.602
F3S-407_F3S-408	F3S-407	F3S-408	6	181.77	178.08	0.63	-0.450	0.019	0.101	0.050	0.012	1.850	-0.450	0.019	0.101	0.050	0.012	1.851
F3S-408_F3S-410	F3S-408	F3S-410	6	178.08	173.98	0.74	-0.413	0.021	0.175	0.087	0.016	1.493	-0.413	0.021	0.175	0.087	0.016	1.493
F3S-410_F3S-106	F3S-410	F3S-106	6	173.98	173.15	0.28	-0.400	0.066	0.199	0.100	0.019	1.146	-0.400	0.066	0.200	0.100	0.019	1.146
F3S-411_F3S-412	F3S-411	F3S-412	6	187.85	185.98	0.33	-0.426	0.015	0.148	0.074	0.005	0.590	-0.426	0.015	0.148	0.074	0.005	0.590
F3S-412_F3S-413	F3S-412	F3S-413	6	185.98	184.06	0.33	-0.425	0.048	0.150	0.075	0.016	1.351	-0.425	0.048	0.150	0.075	0.016	1.351
F3S-413_F3S-414	F3S-413	F3S-414	6	184.06	183.3	0.40	-0.386	0.048	0.228	0.114	0.019	1.142	-0.386	0.048	0.228	0.114	0.019	1.143
F3S-414_F3S-415	F3S-414	F3S-415	6	183.3	176.09	0.57	-0.382	0.115	0.237	0.119	0.065	2.896	-0.381	0.115	0.237	0.119	0.065	2.898
F3S-415_F3S-506	F3S-415	F3S-506	6	176.09	170.21	0.57	-0.364	0.124	0.273	0.136	0.070	2.745	-0.364	0.124	0.273	0.137	0.070	2.746
F3S-416_F3S-417	F3S-416	F3S-417	6	180.14	177.94	0.39	-0.456	0.005	0.089	0.044	0.002	0.505	-0.456	0.005	0.089	0.045	0.002	0.505
F3S-417_F2S-612	F3S-417	F2S-612	6	177.94	176.18	0.36	-0.448	0.016	0.104	0.052	0.006	0.934	-0.448	0.017	0.104	0.052	0.006	0.935
F3S-418_F3S-508	F3S-418	F3S-508	6	182.57	178.37	0.56	-0.450	0.009	0.100	0.050	0.005	0.965	-0.450	0.009	0.100	0.050	0.005	0.965
F3S-501_F3S-505	F3S-501	F3S-505	6	163.8	160.39	0.49	-0.426	0.036	0.148	0.074	0.018	1.657	-0.426	0.036	0.148	0.074	0.018	1.658
F3S-502_F3S-603	F3S-502	F3S-603	6	163.34	159.49	0.49	-0.403	0.066	0.195	0.098	0.032	2.018	-0.402	0.067	0.195	0.098	0.033	2.019
F3S-503_F3S-502	F3S-503	F3S-502	6	166.8	163.34	0.49	-0.413	0.050	0.174	0.087	0.025	1.828	-0.413	0.050	0.174	0.087	0.025	1.829
F3S-504_F3S-501	F3S-504	F3S-501	6	164.68	163.8	0.28	-0.435	0.021	0.130	0.065	0.006	0.716	-0.435	0.021	0.130	0.065	0.006	0.717
F3S-505_F3S-604	F3S-505	F3S-604	6	160.39	155.07	0.54	-0.400	0.048	0.201	0.100	0.025	1.720	-0.400	0.048	0.201	0.100	0.026	1.721
F3S-506_F3S-507	F3S-506	F3S-507	6	170.21	168.9	0.44	-0.353	0.163	0.295	0.147	0.072	2.440	-0.352	0.163	0.295	0.148	0.072	2.441
F3S-507_F3S-219	F3S-507	F3S-219	6	168.9	165.5	0.44	-0.318	0.190	0.363	0.182	0.083	2.286	-0.318	0.191	0.364	0.182	0.084	2.287
F3S-508_F3S-509	F3S-508	F3S-509	6	178.37	172.8	0.51	-0.433	0.021	0.134	0.067	0.011	1.280	-0.433	0.021	0.135	0.067	0.011	1.281
F3S-509_F3S-503	F3S-509	F3S-503	6	172.8	166.8	0.55	-0.424	0.039	0.152	0.076	0.021	1.925	-0.424	0.039	0.152	0.076	0.022	1.926
F3S-510_F3S-509	F3S-510	F3S-509	6	173.24	172.8	0.31	-0.433	0.022	0.134	0.067	0.007	0.799	-0.433	0.022	0.135	0.067	0.007	0.799
F3S-511_F3S-512	F3S-511	F3S-512	6	173.91	169.68	0.55	-0.454	0.009	0.093	0.046	0.005	1.028	-0.454	0.009	0.093	0.046	0.005	1.028
F3S-512_F3S-501	F3S-512	F3S-501	6	169.68	163.8	0.49	-0.435	0.018	0.130	0.065	0.009	1.139	-0.435	0.018	0.130	0.065	0.009	1.140
F3S-513_F3S-610	F3S-513	F3S-610	6	160.26	155.16	0.49	-0.429	0.032	0.143	0.071	0.016	1.574	-0.429	0.032	0.143	0.072	0.016	1.575



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
F3S-514_F3S-513	F3S-514	F3S-513	6	161.16	160.26	0.31	-0.434	0.038	0.133	0.067	0.012	1.171	-0.433	0.038	0.133	0.067	0.012	1.172
F3S-601_F3S-605	F3S-601	F3S-605	6	153.93	151.99	0.31	-0.210	0.643	0.581	0.291	0.199	2.672	-0.209	0.644	0.582	0.291	0.200	2.673
F3S-602_F4S-408	F3S-602	F4S-408	6	146	142.75	0.47	-0.449	0.010	0.103	0.051	0.005	0.898	-0.449	0.010	0.103	0.052	0.005	0.898
F3S-603_F3S-601	F3S-603	F3S-601	6	159.49	153.93	0.51	-0.210	0.084	0.581	0.291	0.042	0.935	-0.209	0.084	0.582	0.291	0.043	0.935
F3S-604_F3S-605	F3S-604	F3S-605	6	155.07	151.99	0.40	-0.220	0.089	0.560	0.280	0.035	0.794	-0.220	0.089	0.561	0.281	0.035	0.794
F3S-605_F3S-608	F3S-605	F3S-608	8	151.99	150.06	0.65	-0.366	0.370	0.451	0.300	0.241	2.549	-0.366	0.371	0.451	0.301	0.241	2.550
F3S-606_F3S-607	F3S-606	F3S-607	6	144.09	140.66	0.54	-0.451	0.007	0.099	0.050	0.004	0.818	-0.451	0.007	0.099	0.050	0.004	0.818
F3S-607_F4S-411	F3S-607	F4S-411	6	140.66	135.85	0.47	-0.431	0.021	0.139	0.070	0.010	1.141	-0.430	0.021	0.139	0.070	0.010	1.142
F3S-608_F3S-305	F3S-608	F3S-305	8	150.06	148.67	0.64	-0.366	0.419	0.451	0.301	0.270	2.735	-0.366	0.420	0.452	0.301	0.270	2.736
F3S-609_F4S-401	F3S-609	F4S-401	6	138.94	137.74	0.29	-0.449	0.014	0.103	0.051	0.004	0.663	-0.449	0.014	0.103	0.051	0.004	0.663
F3S-610_F3S-608	F3S-610	F3S-608	6	155.16	150.06	0.49	-0.200	0.044	0.601	0.300	0.022	0.509	-0.199	0.044	0.602	0.301	0.022	0.509
F4S-101_F4S-104	F4S-101	F4S-104	6	122.28	119.89	0.38	-0.420	0.049	0.161	0.080	0.019	1.484	-0.419	0.049	0.161	0.081	0.019	1.484
F4S-102_F4S-101	F4S-102	F4S-101	6	123.16	122.28	0.33	-0.425	0.041	0.151	0.075	0.014	1.215	-0.425	0.041	0.151	0.075	0.014	1.215
F4S-103_E4S-412	F4S-103	E4S-412	30	116.43	115.45	16.10	-1.316	0.454	0.474	1.184	7.310	4.954	-1.194	0.537	0.522	1.306	8.649	5.173
F4S-104_F4S-103	F4S-104	F4S-103	6	119.89	116.43	0.46	0.681	0.056	2.361	1.181	0.026	0.531	0.803	0.056	2.606	1.303	0.026	0.533
F4S-105_F4S-102	F4S-105	F4S-102	6	124.21	123.16	0.34	-0.431	0.035	0.138	0.069	0.012	1.166	-0.431	0.035	0.139	0.069	0.012	1.166
F4S-106_F4S-103	F4S-106	F4S-103	30	121.88	116.43	37.57	-1.319	0.193	0.472	1.181	7.248	6.313	-1.197	0.228	0.521	1.303	8.581	6.574
F4S-107_F4S-108	F4S-107	F4S-108	30	125.02	124.48	27.96	-1.634	0.257	0.346	0.866	7.190	7.391	-1.552	0.305	0.379	0.948	8.514	7.745
F4S-108_F4S-106	F4S-108	F4S-106	30	124.48	121.88	27.91	-1.633	0.258	0.347	0.867	7.213	7.400	-1.551	0.306	0.380	0.949	8.542	7.753
F4S-109_F4S-110	F4S-109	F4S-110	6	127.72	126.96	0.28	-0.418	0.049	0.164	0.082	0.014	1.077	-0.418	0.049	0.164	0.082	0.014	1.078
F4S-110_F4S-108	F4S-110	F4S-108	6	126.96	124.48	0.33	0.366	0.059	1.732	0.866	0.020	0.646	0.448	0.059	1.895	0.948	0.020	0.648
F4S-111_F4S-109	F4S-111	F4S-109	6	132.26	127.72	0.46	-0.425	0.017	0.150	0.075	0.008	0.902	-0.425	0.017	0.150	0.075	0.008	0.902
F4S-112_F4S-113	F4S-112	F4S-113	6	130.66	129.72	0.40	-0.429	0.034	0.143	0.071	0.014	1.343	-0.429	0.034	0.143	0.071	0.014	1.344
F4S-113_F4S-114	F4S-113	F4S-114	6	129.72	129.16	0.40	-0.427	0.044	0.145	0.073	0.018	1.570	-0.427	0.044	0.145	0.073	0.018	1.571
F4S-114_F4S-115	F4S-114	F4S-115	6	129.16	126	0.47	-0.418	0.046	0.164	0.082	0.022	1.738	-0.418	0.046	0.164	0.082	0.022	1.738
F4S-115_F4S-106	F4S-115	F4S-106	6	126	121.88	0.47	0.246	0.058	1.491	0.746	0.028	0.870	0.314	0.059	1.629	0.814	0.028	0.873
F4S-201_F4S-103	F4S-201	F4S-103	6	117.96	116.43	0.28	0.681	0.121	2.361	1.181	0.034	0.351	0.803	0.121	2.606	1.303	0.034	0.355
F4S-202_F4S-203	F4S-202	F4S-203	6	120.04	119.25	0.28	-0.396	0.080	0.207	0.104	0.023	1.261	-0.396	0.080	0.207	0.104	0.023	1.262
F4S-203_F4S-201	F4S-203	F4S-201	6	119.25	117.96	0.28	-0.396	0.095	0.207	0.104	0.027	1.427	-0.396	0.095	0.208	0.104	0.027	1.428
F4S-204_F4S-106	F4S-204	F4S-106	6	124.59	121.88	0.49	0.246	0.010	1.491	0.746	0.005	0.304	0.314	0.010	1.629	0.814	0.005	0.304
F4S-205_F4S-107	F4S-205	F4S-107	6	126.57	125.02	0.37	0.365	0.008	1.729	0.865	0.003	0.195	0.446	0.008	1.892	0.946	0.003	0.195
F4S-206_F4S-207	F4S-206	F4S-207	6	126.37	123.85	0.40	-0.449	0.010	0.101	0.051	0.004	0.742	-0.449	0.010	0.101	0.051	0.004	0.742
F4S-207_F4S-208	F4S-207	F4S-208	6	123.85	122.17	0.40	-0.431	0.021	0.137	0.069	0.009	0.999	-0.431	0.021	0.137	0.069	0.009	1.000
F4S-208_F4S-209	F4S-208	F4S-209	6	122.17	121.03	0.28	-0.413	0.041	0.174	0.087	0.012	0.917	-0.413	0.041	0.174	0.087	0.012	0.918
F4S-209_F4S-202	F4S-209	F4S-202	6	121.03	120.04	0.28	-0.404	0.066	0.192	0.096	0.019	1.175	-0.404	0.066	0.192	0.096	0.019	1.175
F4S-210_F4S-209	F4S-210	F4S-209	6	122.21	121.03	0.29	-0.413	0.014	0.174	0.087	0.004	0.410	-0.413	0.014	0.174	0.087	0.004	0.410
F4S-401_F4S-402	F4S-401	F4S-402	6	137.74	134.02	0.44	-0.437	0.022	0.127	0.063	0.010	1.209	-0.437	0.022	0.127	0.063	0.010	1.209
F4S-402_F4S-403	F4S-402	F4S-403	6	134.02	129.95	0.46	-0.370	0.034	0.260	0.130	0.016	0.909	-0.370	0.035	0.261	0.130	0.016	0.909
F4S-403_F4S-410	F4S-403	F4S-410	6	129.95	126.01	0.50	0.666	0.148	2.333	1.166	0.075	1.239	0.784	0.148	2.568	1.284	0.075	1.246
F4S-404_F4S-405	F4S-404	F4S-405	6	131.85	131.56	0.28	-0.353	0.171	0.294	0.147	0.048	1.605	-0.353	0.171	0.294	0.147	0.048	1.605
F4S-405_F4S-403	F4S-405	F4S-403	6	131.56	129.95	0.28	-0.353	0.190	0.294	0.147	0.054	1.748	-0.353	0.190	0.295	0.147	0.054	1.749
F4S-406_F4S-407	F4S-406	F4S-407	6	137.46	134.8	0.38	-0.413	0.054	0.174	0.087	0.020	1.486	-0.413	0.054	0.174	0.087	0.021	1.487
F4S-407_F4S-404	F4S-407	F4S-404	6	134.8	131.85	0.40	-0.360	0.066	0.281	0.140	0.026	1.216	-0.359	0.066	0.281	0.141	0.027	1.217
F4S-408_F4S-406	F4S-408	F4S-406	6	142.75	137.46	0.57	-0.421	0.022	0.157	0.079	0.013	1.298	-0.421	0.022	0.157	0.079	0.013	1.299
F4S-409_F4S-410	F4S-409	F4S-410	30	132.47	126.01	33.73	-1.334	0.211	0.467	1.166	7.111	6.085	-1.216	0.250	0.514	1.284	8.430	6.353
F4S-410_F4S-107	F4S-410	F4S-107	30	126.01	125.02	16.01	-1.334	0.449	0.467	1.166	7.183	5.152	-1.216	0.531	0.514	1.284	8.505	5.444
F4S-411_F4S-404	F4S-411	F4S-404	6	135.85	131.85	0.42	-0.360	0.042	0.281	0.140	0.018	0.904	-0.359	0.042	0.281	0.141	0.018	0.905
G2S-101_G2S-104	G2S-101	G2S-104	6	196.14	195.72	0.31	-0.309	0.055	0.382	0.191	0.017	0.600	-0.266	0.056	0.467	0.234	0.017	0.487
G2S-102_G2S-113	G2S-102	G2S-113	6	223.98	223.05	0.28	-0.260	0.473	0.481	0.240	0.131	2.262	-0.244	0.527	0.512	0.256	0.146	2.338
G2S-103_G2S-104	G2S-103	G2S-104	6	205.41	195.72	0.68	-0.309	0.116	0.382	0.191	0.079	2.391	-0.266	0.177	0.467	0.234	0.120	2.761
G2S-104_G2S-110	G2S-104	G2S-110	6	195.72	194.91	0.31	-0.309	0.311	0.383	0.192	0.096	2.162	-0.266	0.447	0.467	0.234	0.139	2.399

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
G2S-105_G2S-101	G2S-105	G2S-101	6	196.47	196.14	0.31	-0.415	0.009	0.171	0.086	0.003	0.340	-0.412	0.009	0.177	0.089	0.003	0.329
G2S-106_G2S-101	G2S-106	G2S-101	6	198.14	196.14	0.40	-0.415	0.035	0.171	0.086	0.014	1.182	-0.412	0.035	0.177	0.089	0.014	1.150
G2S-107_G2S-106	G2S-107	G2S-106	6	204.11	198.14	1.08	-0.436	0.002	0.128	0.064	0.002	0.419	-0.436	0.002	0.128	0.064	0.002	0.418
G2S-109_G2S-106	G2S-109	G2S-106	6	199.33	198.14	0.40	-0.436	0.030	0.128	0.064	0.012	1.334	-0.436	0.030	0.128	0.064	0.012	1.334
G2S-110_G2S-111	G2S-110	G2S-111	6	194.91	192.9	0.61	-0.364	0.159	0.272	0.136	0.097	3.497	-0.337	0.229	0.327	0.164	0.139	3.880
G2S-111_F2P-402	G2S-111	F2P-402	6	192.9	190.26	0.61	-0.360	0.162	0.280	0.140	0.098	3.449	-0.332	0.232	0.336	0.168	0.140	3.831
G2S-112_G2S-102	G2S-112	G2S-102	6	224.9	223.98	0.28	-0.260	0.453	0.481	0.240	0.125	2.106	-0.244	0.507	0.512	0.256	0.140	2.171
G2S-113_G2S-114	G2S-113	G2S-114	6	223.05	219.34	0.58	-0.276	0.228	0.448	0.224	0.132	2.917	-0.265	0.254	0.471	0.236	0.147	3.028
G2S-114_G2S-115	G2S-114	G2S-115	6	219.34	216.15	0.40	-0.262	0.414	0.476	0.238	0.166	2.895	-0.250	0.453	0.500	0.250	0.181	2.966
G2S-115_F2S-414	G2S-115	F2S-414	6	216.15	213.31	0.38	-0.260	0.461	0.479	0.240	0.176	2.944	-0.249	0.501	0.502	0.251	0.191	3.013
G2S-116_G2S-117	G2S-116	G2S-117	6	203.75	201.83	0.40	-0.450	0.010	0.100	0.050	0.004	0.750	-0.450	0.010	0.100	0.050	0.004	0.750
G2S-117_G2S-118	G2S-117	G2S-118	6	201.83	200.71	0.42	-0.444	0.021	0.113	0.056	0.009	1.210	-0.444	0.021	0.113	0.057	0.009	1.211
G2S-118_G2S-109	G2S-118	G2S-109	6	200.71	199.33	0.40	-0.441	0.027	0.118	0.059	0.011	1.319	-0.441	0.027	0.118	0.059	0.011	1.320
G2S-201_G2S-202	G2S-201	G2S-202	6	215.15	214.29	0.40	-0.359	0.147	0.283	0.141	0.059	2.111	-0.359	0.147	0.283	0.141	0.059	2.111
G2S-202_G2S-203	G2S-202	G2S-203	6	214.29	211.25	0.38	-0.351	0.175	0.298	0.149	0.066	2.168	-0.351	0.175	0.299	0.149	0.066	2.168
G2S-203_G2S-204	G2S-203	G2S-204	6	211.25	208.2	0.39	-0.351	0.194	0.299	0.149	0.076	2.395	-0.351	0.194	0.299	0.149	0.076	2.395
G2S-204_G2S-205	G2S-204	G2S-205	8	208.2	206.8	0.92	-0.479	0.093	0.282	0.188	0.086	2.005	-0.479	0.093	0.282	0.188	0.086	2.006
G2S-205_F2S-510	G2S-205	F2S-510	8	206.8	205.8	0.50	-0.479	0.173	0.282	0.188	0.087	1.709	-0.479	0.174	0.282	0.188	0.087	1.709
G2S-206_G2S-210	G2S-206	G2S-210	6	210.89	205.9	0.52	-0.360	0.085	0.280	0.140	0.044	1.909	-0.360	0.085	0.280	0.140	0.044	1.909
G2S-207_G2S-114	G2S-207	G2S-114	6	223.01	219.34	0.40	-0.276	0.064	0.448	0.224	0.026	0.770	-0.265	0.064	0.471	0.236	0.026	0.727
G2S-208_G2S-206	G2S-208	G2S-206	6	216.14	210.89	0.54	-0.402	0.064	0.196	0.098	0.034	2.153	-0.402	0.064	0.197	0.098	0.034	2.154
G2S-209_G2S-208	G2S-209	G2S-208	6	219.04	216.14	0.40	-0.415	0.059	0.171	0.085	0.024	1.690	-0.415	0.059	0.171	0.086	0.024	1.691
G2S-210_F2S-507	G2S-210	F2S-507	6	205.9	204.11	0.31	-0.360	0.172	0.281	0.140	0.053	1.832	-0.359	0.173	0.281	0.141	0.053	1.832
G2S-211_F2S-511	G2S-211	F2S-511	6	197.65	190.2	0.63	-0.427	0.014	0.146	0.073	0.009	1.112	-0.426	0.014	0.147	0.074	0.009	1.105
G2S-300_G2S-209	G2S-300	G2S-209	6	220.51	219.04	0.28	-0.418	0.059	0.165	0.082	0.017	1.230	-0.418	0.059	0.165	0.082	0.017	1.230
G2S-301_G2S-302	G2S-301	G2S-302	6	220	217.58	0.41	-0.371	0.136	0.258	0.129	0.055	2.191	-0.371	0.137	0.258	0.129	0.055	2.192
G2S-302_G2S-201	G2S-302	G2S-201	6	217.58	215.15	0.40	-0.370	0.146	0.259	0.130	0.058	2.250	-0.370	0.146	0.259	0.130	0.058	2.250
G2S-303_G2S-309	G2S-303	G2S-309	6	206.55	205.45	0.25	-0.354	0.053	0.293	0.146	0.013	0.618	-0.352	0.053	0.295	0.148	0.013	0.614
G2S-304_G2S-307	G2S-304	G2S-307	6	202.68	197.75	0.52	-0.353	0.128	0.294	0.147	0.067	2.438	-0.352	0.130	0.297	0.148	0.068	2.450
G2S-305_F2S-604	G2S-305	F2S-604	6	207.34	199.04	0.63	-0.448	0.011	0.105	0.052	0.007	1.254	-0.448	0.011	0.105	0.052	0.007	1.255
G2S-306_F2S-603	G2S-306	F2S-603	6	200.52	196.68	0.44	-0.435	0.030	0.130	0.065	0.013	1.451	-0.435	0.030	0.131	0.065	0.013	1.452
G2S-307_F2S-613	G2S-307	F2S-613	6	197.75	194.82	0.40	-0.352	0.190	0.295	0.148	0.076	2.431	-0.351	0.193	0.297	0.149	0.077	2.440
G2S-308_G2S-306	G2S-308	G2S-306	6	202	200.52	0.33	-0.441	0.014	0.119	0.059	0.005	0.711	-0.441	0.014	0.119	0.060	0.005	0.711
G2S-309_G2S-310	G2S-309	G2S-310	6	205.45	203.62	0.31	-0.345	0.188	0.310	0.155	0.058	1.808	-0.344	0.191	0.312	0.156	0.059	1.816
G2S-310_G2S-304	G2S-310	G2S-304	6	203.62	202.68	0.31	-0.345	0.209	0.310	0.155	0.065	1.938	-0.344	0.212	0.313	0.156	0.066	1.946
G2S-311_G2S-314	G2S-311	G2S-314	6	210.55	208.25	0.31	-0.463	0.010	0.074	0.037	0.003	0.738	-0.463	0.010	0.074	0.037	0.003	0.738
G2S-312_G3S-109	G2S-312	G3S-109	6	202.61	198.26	0.44	-0.419	0.013	0.162	0.081	0.006	0.664	-0.419	0.013	0.162	0.081	0.006	0.665
G2S-314_G3S-101	G2S-314	G3S-101	6	208.25	202.96	0.54	-0.457	0.011	0.085	0.043	0.006	1.254	-0.457	0.011	0.085	0.043	0.006	1.255
G2S-315_G2S-305	G2S-315	G2S-305	6	209.11	207.34	0.52	-0.463	0.006	0.074	0.037	0.003	0.917	-0.463	0.006	0.074	0.037	0.003	0.917
G2S-401_G2S-405	G2S-401	G2S-405	6	231.47	231.42	0.16	-0.327	0.065	0.345	0.173	0.010	0.321	-0.327	0.065	0.346	0.173	0.010	0.321
G2S-402_G2S-401	G2S-402	G2S-401	6	234.74	231.47	0.66	-0.374	0.006	0.252	0.126	0.004	0.392	-0.374	0.006	0.252	0.126	0.004	0.391
G2S-403_G2S-401	G2S-403	G2S-401	6	233.46	231.47	0.40	-0.374	0.015	0.252	0.126	0.006	0.456	-0.374	0.015	0.252	0.126	0.006	0.456
G2S-405_G2S-512	G2S-405	G2S-512	6	231.42	229.54	0.28	-0.306	0.259	0.389	0.195	0.073	1.719	-0.305	0.259	0.390	0.195	0.073	1.720
G2S-406_G2S-405	G2S-406	G2S-405	6	237.14	231.42	1.21	-0.327	0.050	0.345	0.173	0.060	2.447	-0.327	0.050	0.346	0.173	0.060	2.449
G2S-501_G2S-514	G2S-501	G2S-514	6	228.9	227.78	0.28	-0.297	0.336	0.407	0.204	0.095	1.987	-0.296	0.337	0.408	0.204	0.095	1.988
G2S-502_G2S-503	G2S-502	G2S-503	6	222.9	222.51	0.25	-0.462	0.012	0.075	0.038	0.003	0.704	-0.462	0.012	0.075	0.038	0.003	0.704
G2S-503_G2S-601	G2S-503	G2S-601	6	222.51	221.7	0.40	-0.444	0.010	0.113	0.057	0.004	0.676	-0.443	0.010	0.113	0.057	0.004	0.677
G2S-504_G2S-604	G2S-504	G2S-604	6	229.1	225.5	0.42	-0.408	0.074	0.184	0.092	0.031	1.953	-0.408	0.074	0.184	0.092	0.031	1.954
G2S-505_G2S-506	G2S-505	G2S-506	6	233.63	232.26	0.28	-0.434	0.021	0.133	0.066	0.006	0.709	-0.434	0.021	0.133	0.066	0.006	0.709
G2S-506_G2S-511	G2S-506	G2S-511	6	232.26	230.86	0.28	-0.418	0.038	0.164	0.082	0.011	0.917	-0.418	0.038	0.164	0.082	0.011	0.918
G2S-507_G2S-504	G2S-507	G2S-504	6	231	229.1	0.30	-0.408	0.027	0.184	0.092	0.008	0.671	-0.408	0.027	0.184	0.092	0.008	0.672

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
G2S-508_G2S-517	G2S-508	G2S-517	6	227.45	226	0.29	-0.440	0.010	0.120	0.060	0.003	0.471	-0.440	0.010	0.121	0.060	0.003	0.471
G2S-509_G2S-507	G2S-509	G2S-507	6	232.5	231	0.28	-0.444	0.011	0.112	0.056	0.003	0.503	-0.444	0.011	0.112	0.056	0.003	0.503
G2S-510_G2S-403	G2S-510	G2S-403	6	234.6	233.46	0.39	-0.458	0.005	0.085	0.043	0.002	0.523	-0.457	0.005	0.085	0.043	0.002	0.523
G2S-511_G2S-512	G2S-511	G2S-512	6	230.86	229.54	0.28	-0.306	0.059	0.389	0.195	0.017	0.576	-0.305	0.060	0.390	0.195	0.017	0.576
G2S-512_G2S-501	G2S-512	G2S-501	6	229.54	228.9	0.28	-0.301	0.321	0.398	0.199	0.090	1.954	-0.301	0.321	0.399	0.199	0.091	1.955
G2S-513_G2S-515	G2S-513	G2S-515	6	229.18	227.63	0.34	-0.313	0.006	0.373	0.187	0.002	0.235	-0.313	0.006	0.374	0.187	0.002	0.234
G2S-514_G2S-515	G2S-514	G2S-515	6	227.78	227.63	0.27	-0.297	0.360	0.407	0.204	0.097	2.073	-0.296	0.361	0.408	0.204	0.098	2.074
G2S-515_G2S-112	G2S-515	G2S-112	6	227.63	224.9	0.33	-0.264	0.299	0.472	0.236	0.100	1.949	-0.248	0.300	0.504	0.252	0.100	1.854
G2S-516_G2S-207	G2S-516	G2S-207	6	224.5	223.01	0.28	-0.415	0.059	0.171	0.085	0.017	1.196	-0.415	0.059	0.171	0.085	0.017	1.197
G2S-517_G2S-516	G2S-517	G2S-516	6	226	224.5	0.28	-0.418	0.031	0.164	0.082	0.009	0.796	-0.418	0.031	0.164	0.082	0.009	0.796
G2S-601_G2S-300	G2S-601	G2S-300	6	221.7	220.51	0.25	-0.418	0.028	0.164	0.082	0.007	0.648	-0.418	0.028	0.164	0.082	0.007	0.648
G2S-602_G2S-603	G2S-602	G2S-603	6	223	221.5	0.56	-0.378	0.065	0.244	0.122	0.036	1.898	-0.378	0.065	0.244	0.122	0.036	1.898
G2S-603_G2S-301	G2S-603	G2S-301	6	221.5	220	0.31	-0.375	0.131	0.249	0.125	0.040	1.661	-0.375	0.131	0.249	0.125	0.040	1.661
G2S-604_G2S-602	G2S-604	G2S-602	6	225.5	223	0.47	-0.408	0.074	0.184	0.092	0.035	2.197	-0.408	0.074	0.184	0.092	0.035	2.197
G2S-605_G2S-624	G2S-605	G2S-624	12	230.5	227.77	2.65	-0.630	0.265	0.371	0.371	0.702	4.252	-0.417	0.582	0.583	0.583	1.542	5.204
G2S-606_G2S-607	G2S-606	G2S-607	6	230.4	229.7	0.26	-0.408	0.063	0.183	0.092	0.016	1.077	-0.408	0.063	0.184	0.092	0.016	1.077
G2S-606_G2S-608	G2S-606	G2S-608	6	230.45	228	0.48	-0.449	0.010	0.103	0.051	0.005	0.900	-0.449	0.010	0.103	0.051	0.005	0.901
G2S-607_G2S-504	G2S-607	G2S-504	6	229.7	229.1	0.27	-0.408	0.074	0.184	0.092	0.020	1.269	-0.408	0.074	0.184	0.092	0.020	1.270
G2S-608_G2S-609	G2S-608	G2S-609	6	228	226.5	0.31	-0.441	0.022	0.117	0.059	0.007	0.903	-0.441	0.022	0.118	0.059	0.007	0.903
G2S-609_G2S-625	G2S-609	G2S-625	6	226.5	224	0.37	-0.441	0.030	0.118	0.059	0.011	1.292	-0.441	0.030	0.118	0.059	0.011	1.293
G2S-610_G2S-611	G2S-610	G2S-611	6	208.84	207.39	0.39	-0.468	0.005	0.065	0.032	0.002	0.665	-0.468	0.005	0.065	0.033	0.002	0.665
G2S-611_G2S-612	G2S-611	G2S-612	6	207.39	204.68	0.58	-0.465	0.008	0.071	0.036	0.005	1.301	-0.464	0.008	0.071	0.036	0.005	1.302
G2S-612_G2S-613	G2S-612	G2S-613	6	204.68	201.82	0.58	-0.444	0.010	0.111	0.056	0.006	1.020	-0.444	0.010	0.112	0.056	0.006	1.021
G2S-613_G3S-115	G2S-613	G3S-115	6	201.82	200.98	0.28	-0.419	0.026	0.162	0.081	0.007	0.705	-0.419	0.026	0.162	0.081	0.007	0.705
G2S-614_G3S-115	G2S-614	G3S-115	6	204.14	200.98	0.61	-0.419	0.010	0.162	0.081	0.006	0.723	-0.419	0.010	0.162	0.081	0.006	0.723
G2S-615_G2S-614	G2S-615	G2S-614	6	207.82	204.14	0.61	-0.465	0.010	0.070	0.035	0.006	1.514	-0.465	0.010	0.070	0.035	0.006	1.515
G2S-616_H2S-303	G2S-616	H2S-303	6	225.95	225.38	0.28	-0.433	0.038	0.133	0.067	0.011	1.102	-0.425	0.039	0.150	0.075	0.011	0.991
G2S-617_G2S-616	G2S-617	G2S-616	6	226.37	225.95	0.29	-0.433	0.028	0.133	0.067	0.008	0.873	-0.433	0.028	0.134	0.067	0.008	0.870
G2S-618_G2S-615	G2S-618	G2S-615	6	210.2	207.82	0.56	-0.465	0.005	0.069	0.035	0.003	0.932	-0.465	0.005	0.069	0.035	0.003	0.932
G2S-619_G3S-119	G2S-619	G3S-119	6	199.05	197.52	0.40	-0.470	0.007	0.059	0.030	0.003	0.895	-0.470	0.007	0.059	0.030	0.003	0.895
G2S-620_G2S-621	G2S-620	G2S-621	6	235.78	231.74	0.65	-0.427	0.012	0.147	0.074	0.008	1.002	-0.426	0.012	0.147	0.074	0.008	1.002
G2S-621_G2S-606	G2S-621	G2S-606	8	231.74	230.45	0.81	-0.593	0.026	0.111	0.074	0.021	1.543	-0.593	0.026	0.111	0.074	0.021	1.544
G2S-622_G2S-623	G2S-622	G2S-623	8	233.2	233.08	0.26	-0.578	0.042	0.133	0.089	0.011	0.792	-0.578	0.042	0.133	0.089	0.011	0.792
G2S-623_G2S-621	G2S-623	G2S-621	8	233.08	231.74	0.85	-0.593	0.014	0.110	0.074	0.012	1.076	-0.593	0.014	0.110	0.074	0.012	1.077
G2S-624_H2S-302	G2S-624	H2S-302	12	227.77	224.85	2.40	-0.629	0.294	0.372	0.372	0.706	4.126	-0.415	0.645	0.585	0.585	1.550	5.043
G2S-625_G2S-301	G2S-625	G2S-301	6	224	220	0.46	-0.375	0.028	0.249	0.125	0.013	0.812	-0.375	0.028	0.249	0.125	0.013	0.812
G2S-626_G2S-627	G2S-626	G2S-627	6	227.98	227.7	0.28	-0.454	0.007	0.091	0.046	0.002	0.445	-0.454	0.007	0.091	0.046	0.002	0.445
G2S-627_G2S-617	G2S-627	G2S-617	6	227.7	226.37	0.28	-0.443	0.017	0.115	0.057	0.005	0.711	-0.443	0.018	0.115	0.057	0.005	0.712
G3P-301_G3S-301	G3P-301	G3S-301	6	159.74	157.93	0.38	-0.285	0.371	0.430	0.215	0.141	2.735	-0.285	0.371	0.431	0.215	0.141	2.737
G3S-101_G3S-109	G3S-101	G3S-109	6	202.96	198.26	0.65	-0.419	0.015	0.162	0.081	0.010	1.090	-0.419	0.015	0.162	0.081	0.010	1.090
G3S-102_G3S-111	G3S-102	G3S-111	6	196.42	192.54	0.45	-0.442	0.012	0.117	0.058	0.006	0.877	-0.442	0.012	0.117	0.058	0.006	0.877
G3S-103_G3S-108	G3S-103	G3S-108	6	188.55	187.08	0.40	-0.461	0.007	0.078	0.039	0.003	0.758	-0.461	0.007	0.078	0.039	0.003	0.758
G3S-104_G3S-201	G3S-104	G3S-201	6	181.46	176.48	0.61	-0.427	0.023	0.146	0.073	0.014	1.510	-0.427	0.023	0.146	0.073	0.014	1.511
G3S-105_G3S-108	G3S-105	G3S-108	6	191.03	187.08	0.60	-0.461	0.002	0.078	0.039	0.001	0.368	-0.461	0.002	0.078	0.039	0.001	0.368
G3S-106_F3S-401	G3S-106	F3S-401	6	193.32	188.51	0.52	-0.397	0.067	0.206	0.103	0.035	2.077	-0.397	0.068	0.206	0.103	0.035	2.078
G3S-107_G3S-118	G3S-107	G3S-118	6	186.64	184.44	0.40	-0.451	0.020	0.097	0.049	0.008	1.245	-0.451	0.020	0.097	0.049	0.008	1.246
G3S-108_G3S-107	G3S-108	G3S-107	6	187.08	186.64	0.40	-0.452	0.012	0.097	0.049	0.005	0.910	-0.451	0.012	0.097	0.049	0.005	0.910
G3S-109_G3S-106	G3S-109	G3S-106	6	198.26	193.32	0.49	-0.412	0.057	0.175	0.088	0.028	1.987	-0.412	0.057	0.175	0.088	0.028	1.988
G3S-110_G3S-116	G3S-110	G3S-116	6	191.13	189.71	0.28	-0.289	0.352	0.422	0.211	0.099	1.998	-0.289	0.353	0.422	0.211	0.100	1.998
G3S-111_G3S-110	G3S-111	G3S-110	6	192.54	191.13	0.28	-0.296	0.030	0.408	0.204	0.008	0.310	-0.296	0.030	0.409	0.204	0.008	0.310
G3S-112_G3S-117	G3S-112	G3S-117	6	205.73	201.93	0.62	-0.460	0.013	0.079	0.040	0.008	1.672	-0.460	0.013	0.080	0.040	0.008	1.673

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
G3S-113_G3S-114	G3S-113	G3S-114	6	199.48	199.07	0.28	-0.396	0.062	0.209	0.104	0.018	1.058	-0.395	0.062	0.209	0.105	0.018	1.058
G3S-114_H3S-101	G3S-114	H3S-101	6	199.07	197.4	0.28	-0.395	0.096	0.209	0.105	0.027	1.434	-0.395	0.097	0.209	0.105	0.027	1.435
G3S-115_G3S-113	G3S-115	G3S-113	6	200.98	199.48	0.28	-0.415	0.058	0.171	0.085	0.016	1.168	-0.415	0.058	0.171	0.086	0.016	1.168
G3S-116_G3S-211	G3S-116	G3S-211	6	189.71	188.29	0.28	-0.282	0.374	0.436	0.218	0.106	2.035	-0.282	0.375	0.436	0.218	0.106	2.036
G3S-117_G3S-114	G3S-117	G3S-114	6	201.93	199.07	0.61	-0.396	0.013	0.209	0.104	0.008	0.700	-0.395	0.013	0.209	0.105	0.008	0.700
G3S-118_G3S-104	G3S-118	G3S-104	6	184.44	181.46	0.55	-0.448	0.020	0.104	0.052	0.011	1.631	-0.448	0.020	0.104	0.052	0.011	1.632
G3S-119_G3S-102	G3S-119	G3S-102	6	197.52	196.42	0.40	-0.462	0.007	0.077	0.039	0.003	0.738	-0.461	0.007	0.077	0.039	0.003	0.738
G3S-201_G3S-202	G3S-201	G3S-202	6	176.48	173.42	0.47	-0.420	0.046	0.161	0.081	0.022	1.765	-0.419	0.046	0.161	0.081	0.022	1.766
G3S-202_G3S-203	G3S-202	G3S-203	6	173.42	169.41	0.47	-0.418	0.057	0.165	0.082	0.027	1.991	-0.418	0.057	0.165	0.083	0.027	1.992
G3S-203_G3S-204	G3S-203	G3S-204	6	169.41	164.1	0.55	-0.405	0.059	0.190	0.095	0.033	2.153	-0.405	0.060	0.190	0.095	0.033	2.154
G3S-204_G3P-301	G3S-204	G3P-301	6	164.1	159.74	0.49	-0.290	0.079	0.421	0.211	0.039	1.175	-0.289	0.079	0.422	0.211	0.039	1.175
G3S-205_G3S-201	G3S-205	G3S-201	6	177.81	176.48	0.29	-0.427	0.017	0.146	0.073	0.005	0.573	-0.427	0.017	0.146	0.073	0.005	0.573
G3S-206_G3S-207	G3S-206	G3S-207	6	175.71	171.85	0.46	-0.449	0.009	0.103	0.051	0.004	0.760	-0.449	0.009	0.103	0.051	0.004	0.760
G3S-207_G3S-208	G3S-207	G3S-208	6	171.85	168.19	0.44	-0.436	0.022	0.129	0.065	0.010	1.188	-0.435	0.022	0.129	0.065	0.010	1.188
G3S-208_G3S-307	G3S-208	G3S-307	6	168.19	163.61	0.49	-0.344	0.036	0.313	0.156	0.018	0.841	-0.343	0.036	0.313	0.157	0.018	0.842
G3S-209_G3S-210	G3S-209	G3S-210	6	174.1	173.05	0.31	-0.451	0.016	0.097	0.049	0.005	0.825	-0.451	0.016	0.098	0.049	0.005	0.825
G3S-210_G3S-304	G3S-210	G3S-304	6	173.05	166.94	0.54	-0.357	0.020	0.286	0.143	0.011	0.629	-0.357	0.020	0.286	0.143	0.011	0.629
G3S-211_G3S-501	G3S-211	G3S-501	6	188.29	186.87	0.28	-0.210	0.397	0.579	0.290	0.112	1.710	-0.210	0.398	0.580	0.290	0.112	1.711
G3S-301_G3S-302	G3S-301	G3S-302	6	157.93	156.12	0.38	-0.266	0.383	0.468	0.234	0.145	2.631	-0.266	0.384	0.469	0.234	0.145	2.632
G3S-302_F3S-601	G3S-302	F3S-601	6	156.12	153.93	0.33	-0.210	0.448	0.581	0.291	0.150	2.208	-0.209	0.449	0.582	0.291	0.150	2.208
G3S-303_G4S-101	G3S-303	G4S-101	6	147.7	144.47	0.46	-0.453	0.009	0.094	0.047	0.004	0.820	-0.453	0.009	0.094	0.047	0.004	0.820
G3S-304_G3S-307	G3S-304	G3S-307	6	166.94	163.61	0.42	-0.344	0.179	0.313	0.156	0.075	2.352	-0.343	0.180	0.313	0.157	0.075	2.353
G3S-305_G3S-306	G3S-305	G3S-306	6	158.09	153.58	0.46	-0.449	0.013	0.101	0.051	0.006	1.031	-0.449	0.013	0.102	0.051	0.006	1.032
G3S-306_G4S-110	G3S-306	G4S-110	6	153.58	144.88	0.62	-0.241	0.022	0.518	0.259	0.014	0.434	-0.241	0.022	0.518	0.259	0.014	0.434
G3S-307_G3P-301	G3S-307	G3P-301	6	163.61	159.74	0.46	-0.290	0.213	0.421	0.211	0.097	2.296	-0.289	0.214	0.422	0.211	0.097	2.297
G3S-308_G3S-309	G3S-308	G3S-309	6	153.16	148.46	0.47	-0.446	0.012	0.109	0.054	0.006	0.977	-0.446	0.012	0.109	0.054	0.006	0.977
G3S-309_G4S-113	G3S-309	G4S-113	6	148.46	143.32	0.51	-0.212	0.025	0.577	0.288	0.013	0.397	-0.211	0.025	0.577	0.289	0.013	0.398
G3S-310_G3S-304	G3S-310	G3S-304	6	169.99	166.94	0.46	-0.357	0.131	0.286	0.143	0.060	2.224	-0.357	0.132	0.286	0.143	0.060	2.225
G3S-501_H3S-204	G3S-501	H3S-204	6	186.87	185.18	0.28	-0.210	0.640	0.579	0.290	0.181	2.523	-0.210	0.641	0.580	0.290	0.181	2.525
G3S-502_G3S-503	G3S-502	G3S-503	6	193.09	189.69	0.47	-0.446	0.014	0.108	0.054	0.007	1.096	-0.446	0.015	0.108	0.054	0.007	1.097
G3S-503_G3S-506	G3S-503	G3S-506	6	189.69	182.83	0.56	-0.431	0.025	0.139	0.069	0.014	1.559	-0.431	0.025	0.139	0.070	0.014	1.560
G3S-504_G3S-503	G3S-504	G3S-503	6	191.29	189.69	0.40	-0.446	0.015	0.108	0.054	0.006	0.961	-0.446	0.015	0.108	0.054	0.006	0.961
G3S-505_G3S-504	G3S-505	G3S-504	6	192.72	191.29	0.40	-0.457	0.015	0.086	0.043	0.006	1.139	-0.457	0.015	0.086	0.043	0.006	1.139
G3S-506_G3S-508	G3S-506	G3S-508	6	182.83	177.77	0.62	-0.410	0.042	0.180	0.090	0.026	1.978	-0.410	0.042	0.180	0.090	0.026	1.979
G3S-507_G3S-506	G3S-507	G3S-506	6	189.89	182.83	0.60	-0.431	0.011	0.139	0.069	0.007	0.933	-0.431	0.011	0.139	0.070	0.007	0.933
G3S-508_G3S-601	G3S-508	G3S-601	6	177.77	175.45	0.42	-0.399	0.071	0.203	0.101	0.030	1.759	-0.399	0.071	0.203	0.102	0.030	1.760
G3S-509_G3S-502	G3S-509	G3S-502	6	198.57	193.09	0.62	-0.458	0.005	0.084	0.042	0.003	0.803	-0.458	0.005	0.084	0.042	0.003	0.803
G3S-510_G3S-511	G3S-510	G3S-511	6	194.01	187.09	0.55	-0.454	0.009	0.092	0.046	0.005	1.037	-0.454	0.009	0.092	0.046	0.005	1.037
G3S-511_G3S-603	G3S-511	G3S-603	6	187.09	180.84	0.61	-0.421	0.018	0.157	0.079	0.011	1.171	-0.421	0.018	0.157	0.079	0.011	1.172
G3S-512_G3S-606	G3S-512	G3S-606	6	179.48	172.35	0.62	-0.448	0.012	0.105	0.052	0.008	1.334	-0.448	0.013	0.105	0.052	0.008	1.335
G3S-601_G3S-310	G3S-601	G3S-310	6	175.45	169.99	0.61	-0.378	0.091	0.244	0.122	0.055	2.588	-0.378	0.091	0.244	0.122	0.055	2.590
G3S-602_G3S-601	G3S-602	G3S-601	6	179.47	175.45	0.51	-0.399	0.043	0.203	0.101	0.022	1.493	-0.399	0.043	0.203	0.102	0.022	1.494
G3S-603_G3S-602	G3S-603	G3S-602	6	180.84	179.47	0.31	-0.421	0.054	0.158	0.079	0.017	1.305	-0.421	0.054	0.158	0.079	0.017	1.306
G3S-604_G3S-603	G3S-604	G3S-603	6	181.71	180.84	0.31	-0.421	0.013	0.157	0.079	0.004	0.460	-0.421	0.013	0.157	0.079	0.004	0.460
G3S-605_G3S-608	G3S-605	G3S-608	6	172.04	171.35	0.39	-0.455	0.002	0.089	0.045	0.001	0.292	-0.455	0.003	0.090	0.045	0.001	0.293
G3S-606_G3S-607	G3S-606	G3S-607	6	172.35	171.73	0.42	-0.444	0.023	0.113	0.056	0.010	1.304	-0.444	0.023	0.113	0.056	0.010	1.305
G3S-607_G3S-608	G3S-607	G3S-608	6	171.73	171.35	0.40	-0.444	0.027	0.113	0.057	0.011	1.366	-0.444	0.027	0.113	0.057	0.011	1.367
G3S-608_G3S-610	G3S-608	G3S-610	6	171.35	165.11	0.72	-0.450	0.017	0.100	0.050	0.012	1.948	-0.450	0.017	0.100	0.050	0.012	1.949
G3S-609_G3S-611	G3S-609	G3S-611	6	158.87	155.71	0.46	-0.398	0.083	0.204	0.102	0.038	2.103	-0.398	0.083	0.204	0.102	0.038	2.104
G3S-610_G3S-609	G3S-610	G3S-609	6	165.11	158.87	0.71	-0.403	0.021	0.194	0.097	0.015	1.282	-0.403	0.021	0.194	0.097	0.015	1.283
G3S-611_G4S-405	G3S-611	G4S-405	6	155.71	152.56	0.46	-0.354	0.092	0.292	0.146	0.042	1.699	-0.354	0.092	0.293	0.146	0.042	1.700

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
G3S-612_G3S-613	G3S-612	G3S-613	6	163.71	161.71	0.36	-0.446	0.025	0.108	0.054	0.009	1.191	-0.446	0.025	0.108	0.054	0.009	1.192
G3S-613_G3S-615	G3S-613	G3S-615	6	161.71	153.4	0.67	-0.417	0.022	0.167	0.084	0.015	1.439	-0.416	0.022	0.167	0.084	0.015	1.440
G3S-614_G3S-615	G3S-614	G3S-615	6	155.48	153.4	0.33	-0.417	0.044	0.167	0.084	0.015	1.171	-0.416	0.044	0.167	0.084	0.015	1.172
G3S-615_G4S-413	G3S-615	G4S-413	6	153.4	147.15	0.58	-0.269	0.061	0.462	0.231	0.035	1.033	-0.269	0.061	0.463	0.232	0.035	1.032
G3S-616_G3S-612	G3S-616	G3S-612	6	166.26	163.71	0.40	-0.446	0.015	0.108	0.054	0.006	0.935	-0.446	0.015	0.108	0.054	0.006	0.935
G3S-617_G3S-614	G3S-617	G3S-614	6	157.88	155.48	0.40	-0.429	0.017	0.142	0.071	0.007	0.822	-0.429	0.017	0.142	0.071	0.007	0.822
G4S-101_G4S-102	G4S-101	G4S-102	6	144.47	140.86	0.47	-0.441	0.019	0.119	0.059	0.009	1.211	-0.441	0.019	0.119	0.059	0.009	1.212
G4S-102_G4S-103	G4S-102	G4S-103	6	140.86	137.39	0.46	-0.423	0.030	0.154	0.077	0.014	1.316	-0.423	0.030	0.154	0.077	0.014	1.318
G4S-103_G4S-106	G4S-103	G4S-106	6	137.39	134.85	0.36	-0.510	0.052	2.020	1.010	0.019	0.645	0.610	0.052	2.219	1.110	0.019	0.646
G4S-104_G4S-105	G4S-104	G4S-105	6	140.13	138.66	0.28	0.286	0.739	1.573	0.786	0.209	1.617	0.360	0.739	1.721	0.860	0.209	1.616
G4S-105_G4S-106	G4S-105	G4S-106	30	138.66	134.85	33.04	-1.490	0.214	0.404	1.010	7.065	6.794	-1.391	0.254	0.444	1.110	8.380	7.104
G4S-106_F4S-409	G4S-106	F4S-409	30	134.85	132.47	20.62	-1.488	0.344	0.405	1.012	7.098	5.911	-1.388	0.408	0.445	1.112	8.417	6.183
G4S-107_G4S-108	G4S-107	G4S-108	6	145.77	144.74	0.28	-0.386	0.081	0.228	0.114	0.023	1.183	-0.386	0.081	0.229	0.114	0.023	1.184
G4S-108_G4S-111	G4S-108	G4S-111	6	144.74	144.03	0.28	-0.211	0.100	0.579	0.289	0.028	0.586	-0.210	0.100	0.579	0.290	0.028	0.586
G4S-109_G4S-107	G4S-109	G4S-107	6	146.94	145.77	0.31	-0.404	0.061	0.193	0.097	0.019	1.216	-0.403	0.061	0.193	0.097	0.019	1.217
G4S-110_G4S-111	G4S-110	G4S-111	6	144.88	144.03	0.28	-0.211	0.522	0.579	0.289	0.147	2.075	-0.210	0.523	0.579	0.290	0.148	2.075
G4S-111_G4S-113	G4S-111	G4S-113	6	144.03	143.32	0.28	-0.211	0.638	0.579	0.289	0.180	2.376	-0.210	0.639	0.579	0.290	0.180	2.377
G4S-112_G4S-104	G4S-112	G4S-104	6	141.58	140.13	0.28	-0.180	0.721	0.640	0.320	0.203	2.398	-0.172	0.721	0.656	0.328	0.203	2.360
G4S-113_G4S-112	G4S-113	G4S-112	6	143.32	141.58	0.31	-0.186	0.635	0.627	0.314	0.197	2.457	-0.186	0.635	0.628	0.314	0.197	2.457
G4S-114_G4S-110	G4S-114	G4S-110	6	146.13	144.88	0.28	-0.241	0.458	0.518	0.259	0.129	2.053	-0.241	0.458	0.518	0.259	0.130	2.053
G4S-115_G4S-116	G4S-115	G4S-116	6	143.61	142.17	0.40	-0.461	0.010	0.078	0.039	0.004	0.922	-0.461	0.010	0.078	0.039	0.004	0.923
G4S-116_G4S-117	G4S-116	G4S-117	6	142.17	141.47	0.40	-0.447	0.012	0.106	0.053	0.005	1.011	-0.444	0.012	0.113	0.056	0.005	1.079
G4S-117_G4S-118	G4S-117	G4S-118	6	141.47	140.03	0.28	0.550	0.032	2.100	1.050	0.009	0.395	0.657	0.032	2.315	1.157	0.009	0.396
G4S-118_G4S-105	G4S-118	G4S-105	30	140.03	138.66	18.66	-1.449	0.369	0.421	1.052	6.886	5.449	-1.340	0.439	0.464	1.160	8.196	5.703
G4S-401_G4S-413	G4S-401	G4S-413	6	148.44	147.15	0.40	-0.269	0.012	0.462	0.231	0.005	0.214	-0.269	0.012	0.463	0.232	0.005	0.216
G4S-402_G4S-109	G4S-402	G4S-109	6	148.71	146.94	0.31	-0.416	0.048	0.168	0.084	0.015	1.155	-0.416	0.048	0.168	0.084	0.015	1.155
G4S-403_G4S-402	G4S-403	G4S-402	6	149.28	148.71	0.36	-0.426	0.038	0.148	0.074	0.014	1.257	-0.426	0.038	0.149	0.074	0.014	1.258
G4S-404_G4S-414	G4S-404	G4S-414	6	144.35	141.13	0.40	0.694	0.012	2.389	1.194	0.005	0.297	0.819	0.012	2.638	1.319	0.005	0.296
G4S-405_G4S-412	G4S-405	G4S-412	6	152.56	150.41	0.36	-0.326	0.187	0.349	0.175	0.067	1.901	-0.325	0.188	0.349	0.175	0.067	1.902
G4S-406_G4S-407	G4S-406	G4S-407	6	153.66	151.48	0.40	-0.393	0.010	0.215	0.107	0.004	0.358	-0.393	0.010	0.215	0.107	0.004	0.358
G4S-407_G4S-409	G4S-407	G4S-409	6	151.48	147.43	0.46	0.313	0.101	1.626	0.813	0.046	0.945	0.392	0.101	1.783	0.892	0.046	0.947
G4S-409_G4S-410	G4S-409	G4S-410	30	147.43	145.02	29.85	-1.679	0.229	0.329	0.821	6.831	7.594	-1.598	0.272	0.361	0.902	8.130	7.963
G4S-410_G4S-414	G4S-410	G4S-414	30	145.02	141.13	29.58	-1.306	0.231	0.478	1.194	6.844	5.587	-1.181	0.275	0.528	1.319	8.145	5.834
G4S-411_G4S-413	G4S-411	G4S-413	6	149.07	147.15	0.33	-0.269	0.241	0.462	0.231	0.081	1.698	-0.269	0.241	0.463	0.232	0.081	1.698
G4S-412_G4S-411	G4S-412	G4S-411	6	150.41	149.07	0.28	-0.326	0.263	0.349	0.175	0.074	1.924	-0.325	0.264	0.349	0.175	0.074	1.925
G4S-413_G4S-114	G4S-413	G4S-114	6	147.15	146.13	0.28	-0.264	0.438	0.473	0.237	0.124	2.126	-0.263	0.438	0.474	0.237	0.124	2.127
G4S-414_G4S-118	G4S-414	G4S-118	30	141.13	140.03	14.63	-1.306	0.469	0.478	1.194	6.866	4.961	-1.181	0.558	0.528	1.319	8.169	5.251
G4S-415_G4S-416	G4S-415	G4S-416	6	153.45	151.1	0.40	-0.441	0.015	0.119	0.059	0.006	0.863	-0.441	0.015	0.119	0.059	0.006	0.863
G4S-416_G4S-403	G4S-416	G4S-403	6	151.1	149.28	0.36	-0.433	0.030	0.134	0.067	0.011	1.154	-0.433	0.030	0.134	0.067	0.011	1.155
H2L-101_H2S-408	H2L-101	H2S-408	6	258.34	257.44	0.27	-0.441	0.010	0.118	0.059	0.003	0.450	-0.441	0.010	0.118	0.059	0.003	0.450
H2S-101_H2S-408	H2S-101	H2S-408	6	258.23	257.44	0.25	-0.404	0.082	0.192	0.096	0.021	1.272	-0.404	0.082	0.193	0.096	0.021	1.273
H2S-102_H2S-106	H2S-102	H2S-106	6	244.18	240.33	0.56	-0.418	0.016	0.164	0.082	0.009	0.975	-0.418	0.016	0.164	0.082	0.009	0.975
H2S-103_H2S-104	H2S-103	H2S-104	6	247.72	238.82	0.80	-0.354	0.032	0.293	0.146	0.025	1.328	-0.353	0.032	0.293	0.147	0.025	1.329
H2S-104_H2S-105	H2S-104	H2S-105	6	238.82	238.18	0.28	-0.348	0.187	0.304	0.152	0.053	1.669	-0.348	0.187	0.304	0.152	0.053	1.669
H2S-105_G2S-406	H2S-105	G2S-406	6	238.18	237.14	0.28	-0.348	0.202	0.304	0.152	0.057	1.781	-0.348	0.202	0.304	0.152	0.057	1.782
H2S-106_H2S-104	H2S-106	H2S-104	6	240.33	238.82	0.36	-0.354	0.057	0.293	0.146	0.020	0.940	-0.353	0.058	0.293	0.147	0.021	0.940
H2S-201_H2S-101	H2S-201	H2S-101	6	259.4	258.23	0.25	-0.404	0.042	0.192	0.096	0.011	0.767	-0.404	0.042	0.193	0.096	0.011	0.768
H2S-202_H2S-206	H2S-202	H2S-206	6	312.48	305.99	0.89	-0.470	0.006	0.059	0.030	0.005	1.850	-0.470	0.006	0.059	0.030	0.005	1.851
H2S-203_H2S-204	H2S-203	H2S-204	6	261.21	260.74	0.28	-0.472	0.005	0.056	0.028	0.001	0.526	-0.472	0.005	0.056	0.028	0.001	0.526
H2S-204_H2S-205	H2S-204	H2S-205	6	260.74	251.29	0.66	-0.409	0.006	0.182	0.091	0.004	0.673	-0.201	0.006	0.598	0.299	0.004	0.759
H2S-205_H2S-207	H2S-205	H2S-207	6	251.29	250.98	0.39	-0.121	0.035	0.758	0.379	0.014	0.278	0.109	0.038	1.218	0.609	0.015	0.279

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
H2S-206_H2S-308	H2S-206	H2S-308	6	305.99	281.85	1.18	-0.458	0.007	0.084	0.042	0.008	2.009	-0.458	0.007	0.084	0.042	0.008	2.010
H2S-207_H2S-208	H2S-207	H2S-208	12	250.98	248.97	2.17	-0.620	0.307	0.380	0.380	0.664	3.764	-0.389	0.690	0.611	0.611	1.494	4.613
H2S-208_H2S-209	H2S-208	H2S-209	12	248.97	245.47	3.00	-0.679	0.223	0.321	0.321	0.670	4.778	-0.500	0.500	0.500	0.500	1.501	5.932
H2S-209_H2S-210	H2S-209	H2S-210	12	245.47	237.97	3.88	-0.653	0.174	0.348	0.348	0.674	4.926	-0.458	0.388	0.542	0.542	1.507	6.124
H2S-210_H2S-212	H2S-210	H2S-212	12	237.97	234.49	2.66	-0.652	0.261	0.348	0.348	0.693	4.420	-0.456	0.575	0.544	0.544	1.529	5.436
H2S-211_H2S-210	H2S-211	H2S-210	6	241.96	237.97	0.52	-0.153	0.023	0.695	0.348	0.012	0.246	0.042	0.023	1.085	0.542	0.012	0.183
H2S-212_G2S-605	H2S-212	G2S-605	12	234.49	230.5	2.89	-0.650	0.242	0.351	0.351	0.699	4.552	-0.453	0.532	0.547	0.547	1.538	5.594
H2S-213_H2S-103	H2S-213	H2S-103	6	249.21	247.72	0.28	-0.423	0.052	0.154	0.077	0.015	1.199	-0.423	0.052	0.154	0.077	0.015	1.199
H2S-214_H2S-213	H2S-214	H2S-213	6	250.92	249.21	0.44	-0.423	0.015	0.154	0.077	0.007	0.780	-0.423	0.015	0.154	0.077	0.007	0.781
H2S-215_H2S-211	H2S-215	H2S-211	6	244.6	241.96	0.36	-0.448	0.016	0.103	0.052	0.006	0.938	-0.448	0.016	0.103	0.052	0.006	0.938
H2S-301_H2S-305	H2S-301	H2S-305	6	223.22	219.73	1.28	-0.120	0.026	0.760	0.380	0.034	0.632	0.082	0.026	1.163	0.582	0.034	0.505
H2S-302_H2S-304	H2S-302	H2S-304	12	224.85	221.33	3.17	-0.628	0.227	0.372	0.372	0.719	4.583	-0.425	0.494	0.575	0.575	1.565	5.647
H2S-303_H2S-302	H2S-303	H2S-302	6	225.38	224.85	0.51	-0.175	0.022	0.649	0.325	0.011	0.245	-0.001	0.022	0.998	0.499	0.011	0.178
H2S-304_H2S-305	H2S-304	H2S-305	12	221.33	219.73	2.53	-0.620	0.294	0.380	0.380	0.746	4.285	-0.418	0.629	0.582	0.582	1.594	5.249
H2S-305_H3S-113	H2S-305	H3S-113	12	219.73	217.01	2.54	-0.617	0.308	0.383	0.383	0.782	4.398	-0.415	0.643	0.585	0.585	1.633	5.320
H2S-306_H2S-319	H2S-306	H2S-319	6	228.05	227.17	0.28	-0.395	0.097	0.210	0.105	0.028	1.440	-0.395	0.098	0.210	0.105	0.028	1.441
H2S-307_H2S-311	H2S-307	H2S-311	6	243.37	235.51	0.74	-0.434	0.026	0.132	0.066	0.019	2.204	-0.434	0.026	0.132	0.066	0.019	2.205
H2S-308_H2S-309	H2S-308	H2S-309	6	281.85	269.27	0.97	-0.456	0.015	0.088	0.044	0.014	2.663	-0.456	0.015	0.088	0.044	0.014	2.664
H2S-309_H2S-317	H2S-309	H2S-317	6	269.27	238.77	1.14	-0.448	0.016	0.104	0.052	0.018	2.964	-0.448	0.016	0.104	0.052	0.019	2.965
H2S-310_H2S-311	H2S-310	H2S-311	6	248.28	235.51	0.82	-0.434	0.007	0.132	0.066	0.006	0.933	-0.434	0.007	0.132	0.066	0.006	0.933
H2S-311_H2S-306	H2S-311	H2S-306	6	235.51	228.05	0.73	-0.395	0.038	0.210	0.105	0.027	1.890	-0.395	0.038	0.210	0.105	0.027	1.891
H2S-312_G2S-620	H2S-312	G2S-620	6	238.92	235.78	0.65	-0.462	0.008	0.077	0.038	0.005	1.255	-0.462	0.008	0.077	0.039	0.005	1.256
H2S-313_H2S-314	H2S-313	H2S-314	6	242.98	234.47	0.82	-0.450	0.007	0.100	0.050	0.006	1.217	-0.450	0.007	0.100	0.050	0.006	1.217
H2S-314_H2S-315	H2S-314	H2S-315	8	234.47	233.9	0.60	-0.607	0.011	0.089	0.059	0.007	0.779	-0.607	0.011	0.089	0.059	0.007	0.779
H2S-315_G2S-622	H2S-315	G2S-622	8	233.9	233.2	0.61	-0.578	0.016	0.133	0.089	0.010	0.719	-0.578	0.016	0.133	0.089	0.010	0.720
H2S-316_G2S-618	H2S-316	G2S-618	6	216.21	210.2	0.69	-0.474	0.001	0.052	0.026	0.001	0.577	-0.474	0.001	0.052	0.026	0.001	0.578
H2S-317_H2S-318	H2S-317	H2S-318	6	238.77	228.67	0.95	-0.440	0.023	0.121	0.061	0.021	2.736	-0.439	0.023	0.122	0.061	0.021	2.722
H2S-318_H2S-304	H2S-318	H2S-304	6	228.67	221.33	0.80	-0.128	0.031	0.743	0.372	0.024	0.466	0.075	0.031	1.150	0.575	0.025	0.450
H2S-319_H2S-301	H2S-319	H2S-301	6	227.17	223.22	0.54	-0.418	0.059	0.165	0.082	0.032	2.321	-0.418	0.059	0.165	0.082	0.032	2.322
H2S-401_H2S-411	H2S-401	H2S-411	6	255.9	254.5	0.28	-0.398	0.091	0.204	0.102	0.025	1.393	-0.398	0.092	0.204	0.102	0.025	1.393
H2S-408_H2S-401	H2S-408	H2S-401	6	257.44	255.9	0.80	-0.398	0.029	0.203	0.102	0.024	1.787	-0.398	0.030	0.204	0.102	0.024	1.789
H2S-411_H2S-507	H2S-411	H2S-507	12	254.5	252.44	2.50	-0.914	0.010	0.087	0.087	0.026	1.378	-0.909	0.010	0.091	0.091	0.026	1.321
H2S-503_H2S-601	H2S-503	H2S-601	6	287.62	281.42	0.95	-0.460	0.013	0.080	0.040	0.012	2.591	-0.460	0.013	0.080	0.040	0.012	2.593
H2S-504_H2S-505	H2S-504	H2S-505	6	259.86	256.87	0.48	-0.460	0.006	0.080	0.040	0.003	0.742	-0.460	0.006	0.080	0.040	0.003	0.743
H2S-505_H2S-506	H2S-505	H2S-506	6	256.87	253.87	0.42	-0.451	0.013	0.097	0.049	0.005	0.994	-0.451	0.013	0.097	0.049	0.005	0.994
H2S-506_H2S-205	H2S-506	H2S-205	6	253.87	251.29	0.42	-0.409	0.020	0.182	0.091	0.008	1.018	-0.201	0.020	0.598	0.299	0.008	0.984
H2S-507_H2S-207	H2S-507	H2S-207	12	252.44	250.98	2.17	-0.621	0.014	0.379	0.379	0.030	0.489	-0.391	0.014	0.609	0.609	0.030	0.489
H2S-601_H2S-609	H2S-601	H2S-609	6	281.42	269.6	1.21	-0.461	0.011	0.079	0.039	0.014	3.059	-0.461	0.011	0.079	0.039	0.014	3.061
H2S-602_H2S-307	H2S-602	H2S-307	6	246.27	243.37	0.54	-0.444	0.011	0.112	0.056	0.006	1.000	-0.444	0.011	0.112	0.056	0.006	1.001
H2S-603_H2S-307	H2S-603	H2S-307	6	244.32	243.37	0.28	-0.434	0.037	0.131	0.066	0.011	1.090	-0.434	0.037	0.132	0.066	0.011	1.091
H2S-604_H2S-603	H2S-604	H2S-603	6	247.35	244.32	1.03	-0.434	0.010	0.131	0.066	0.010	1.543	-0.434	0.010	0.132	0.066	0.010	1.545
H2S-605_H3S-119	H2S-605	H3S-119	6	222.93	220.81	0.54	-0.467	0.003	0.066	0.033	0.001	0.551	-0.467	0.003	0.066	0.033	0.001	0.551
H2S-606_H2S-604	H2S-606	H2S-604	6	247.89	247.35	0.28	-0.438	0.033	0.124	0.062	0.009	1.053	-0.438	0.033	0.125	0.062	0.009	1.053
H2S-607_I2S-307	H2S-607	I2S-307	6	246.67	233.41	0.97	-0.422	0.004	0.157	0.079	0.004	0.601	-0.421	0.004	0.157	0.079	0.004	0.601
H2S-609_H2S-613	H2S-609	H2S-613	6	269.6	249.25	1.19	-0.454	0.013	0.092	0.046	0.015	2.887	-0.454	0.013	0.092	0.046	0.015	2.888
H2S-610_H2S-503	H2S-610	H2S-503	6	311.68	287.62	1.23	-0.460	0.010	0.080	0.040	0.012	2.823	-0.460	0.010	0.080	0.040	0.012	2.825
H2S-611_H2S-610	H2S-611	H2S-610	6	314.8	311.68	0.67	-0.459	0.014	0.083	0.042	0.009	1.884	-0.459	0.014	0.083	0.042	0.009	1.885
H2S-612_H2S-611	H2S-612	H2S-611	6	316.37	314.8	0.67	-0.459	0.008	0.083	0.041	0.005	1.288	-0.459	0.008	0.083	0.042	0.005	1.288
H2S-613_I2S-307	H2S-613	I2S-307	6	249.25	233.41	1.01	-0.422	0.018	0.157	0.079	0.018	1.965	-0.421	0.018	0.157	0.079	0.018	1.966
H2S-614_H2S-606	H2S-614	H2S-606	6	251.55	247.89	0.57	-0.438	0.010	0.124	0.062	0.006	0.881	-0.438	0.010	0.125	0.062	0.006	0.881
H2S-615_H2S-616	H2S-615	H2S-616	6	249.78	248.51	0.39	-0.478	0.002	0.044	0.022	0.001	0.578	-0.478	0.003	0.044	0.022	0.001	0.578

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
H2S-616_H2S-617	H2S-616	H2S-617	6	248.51	247.34	0.56	-0.467	0.004	0.067	0.034	0.002	0.714	-0.467	0.004	0.067	0.034	0.002	0.715
H2S-617_H2S-602	H2S-617	H2S-602	6	247.34	246.27	0.44	-0.463	0.009	0.074	0.037	0.004	0.999	-0.463	0.009	0.074	0.037	0.004	0.999
H3S-101_H3S-109	H3S-101	H3S-109	6	197.4	195.3	0.38	-0.401	0.080	0.198	0.099	0.030	1.742	-0.401	0.080	0.198	0.099	0.030	1.743
H3S-102_G3S-112	H3S-102	G3S-112	6	207.24	205.73	0.69	-0.461	0.007	0.078	0.039	0.005	1.273	-0.461	0.007	0.079	0.039	0.005	1.273
H3S-103_H3S-104	H3S-103	H3S-104	6	201.21	197.22	0.65	-0.386	0.004	0.228	0.114	0.003	0.257	-0.386	0.004	0.229	0.114	0.003	0.257
H3S-104_H3S-503	H3S-104	H3S-503	6	197.22	193.41	0.46	-0.372	0.115	0.257	0.128	0.052	2.202	-0.369	0.115	0.263	0.131	0.053	2.168
H3S-105_H3S-104	H3S-105	H3S-104	6	197.34	197.22	0.24	-0.357	0.187	0.286	0.143	0.045	1.595	-0.357	0.188	0.286	0.143	0.045	1.596
H3S-106_H3S-105	H3S-106	H3S-105	6	206.44	197.34	0.60	-0.357	0.027	0.286	0.143	0.016	0.904	-0.357	0.027	0.286	0.143	0.016	0.904
H3S-107_G3S-501	H3S-107	G3S-501	6	190.53	186.87	0.47	-0.210	0.130	0.579	0.290	0.061	1.241	-0.210	0.130	0.580	0.290	0.062	1.241
H3S-108_H3S-107	H3S-108	H3S-107	6	194.76	190.53	0.51	-0.379	0.103	0.243	0.122	0.052	2.368	-0.378	0.103	0.243	0.122	0.052	2.369
H3S-109_H3S-108	H3S-109	H3S-108	6	195.3	194.76	0.38	-0.392	0.085	0.216	0.108	0.032	1.697	-0.392	0.085	0.217	0.108	0.032	1.698
H3S-110_H3S-108	H3S-110	H3S-108	6	195.67	194.76	0.33	-0.392	0.027	0.216	0.108	0.009	0.652	-0.392	0.027	0.217	0.108	0.009	0.652
H3S-111_H3S-110	H3S-111	H3S-110	6	198.51	195.67	0.61	-0.443	0.008	0.114	0.057	0.005	0.891	-0.443	0.008	0.114	0.057	0.005	0.892
H3S-112_H3S-121	H3S-112	H3S-121	6	206.8	199.71	0.88	-0.456	0.001	0.087	0.044	0.001	0.345	-0.456	0.001	0.087	0.044	0.001	0.345
H3S-113_H3S-116	H3S-113	H3S-116	12	217.01	214.26	2.55	-0.611	0.313	0.389	0.389	0.797	4.411	-0.408	0.648	0.592	0.592	1.650	5.316
H3S-114_H3S-209	H3S-114	H3S-209	12	211.26	206.68	3.15	-0.652	0.261	0.349	0.349	0.822	5.235	-0.481	0.533	0.519	0.519	1.679	6.322
H3S-115_H3S-110	H3S-115	H3S-110	6	203.49	195.67	0.94	-0.443	0.004	0.114	0.057	0.004	0.824	-0.443	0.004	0.114	0.057	0.004	0.824
H3S-116_H3S-114	H3S-116	H3S-114	12	214.26	211.26	2.52	-0.610	0.322	0.390	0.390	0.811	4.438	-0.406	0.661	0.594	0.594	1.666	5.321
H3S-117_H3S-108	H3S-117	H3S-108	6	199.29	194.76	0.47	-0.392	0.023	0.216	0.108	0.011	0.823	-0.392	0.023	0.217	0.108	0.011	0.822
H3S-118_H3S-116	H3S-118	H3S-116	6	217.43	214.26	0.36	-0.111	0.019	0.778	0.389	0.007	0.129	-0.092	0.020	1.185	0.592	0.007	0.126
H3S-119_H3S-118	H3S-119	H3S-118	6	220.81	217.43	0.47	-0.452	0.009	0.096	0.048	0.004	0.850	-0.452	0.009	0.096	0.048	0.004	0.850
H3S-120_H3S-102	H3S-120	H3S-102	6	212.63	207.24	0.69	-0.470	0.006	0.060	0.030	0.004	1.353	-0.470	0.006	0.060	0.030	0.004	1.354
H3S-121_H3S-111	H3S-121	H3S-111	6	199.71	198.51	0.31	-0.456	0.016	0.087	0.044	0.005	0.905	-0.456	0.016	0.087	0.044	0.005	0.905
H3S-201_H3S-202	H3S-201	H3S-202	6	208.79	204.23	0.47	-0.469	0.003	0.063	0.031	0.001	0.567	-0.469	0.003	0.063	0.032	0.001	0.567
H3S-202_H3S-117	H3S-202	H3S-117	6	204.23	199.29	0.52	-0.448	0.008	0.104	0.052	0.004	0.819	-0.448	0.008	0.104	0.052	0.004	0.820
H3S-204_H3S-205	H3S-204	H3S-205	6	185.18	179.76	0.49	-0.268	0.384	0.464	0.232	0.187	3.418	-0.268	0.384	0.465	0.232	0.188	3.419
H3S-205_H3S-206	H3S-205	H3S-206	6	179.76	175.57	0.44	-0.267	0.442	0.465	0.233	0.194	3.356	-0.267	0.443	0.466	0.233	0.194	3.357
H3S-206_H3S-303	H3S-206	H3S-303	6	175.57	170.28	0.49	0.064	0.408	1.129	0.564	0.200	1.840	0.281	0.409	1.563	0.781	0.200	1.572
H3S-207_H3S-504	H3S-207	H3S-504	12	197.58	191.24	5.01	-0.651	0.166	0.349	0.349	0.829	6.141	-0.493	0.337	0.507	0.507	1.689	7.546
H3S-208_H3S-207	H3S-208	H3S-207	12	198.62	197.58	4.17	-0.698	0.198	0.302	0.302	0.827	6.423	-0.558	0.404	0.442	0.442	1.687	7.807
H3S-209_H3S-208	H3S-209	H3S-208	12	206.68	198.62	4.29	-0.699	0.192	0.301	0.301	0.825	6.478	-0.558	0.393	0.442	0.442	1.684	7.881
H3S-301_G3S-609	H3S-301	G3S-609	6	160.58	158.87	0.31	-0.403	0.060	0.194	0.097	0.019	1.204	-0.403	0.061	0.194	0.097	0.019	1.204
H3S-302_H3S-311	H3S-302	H3S-311	6	173.6	172	0.28	-0.432	0.021	0.137	0.068	0.006	0.694	-0.428	0.021	0.143	0.072	0.006	0.666
H3S-303_H3S-308	H3S-303	H3S-308	15	170.28	168.83	2.95	-0.686	0.421	0.452	0.564	1.241	3.639	-0.469	0.721	0.625	0.781	2.127	4.322
H3S-304_G4S-405	H3S-304	G4S-405	6	153.89	152.56	0.28	-0.354	0.070	0.292	0.146	0.020	0.856	-0.354	0.070	0.293	0.146	0.020	0.856
H3S-305_H4S-104	H3S-305	H4S-104	6	158.49	156.04	0.34	-0.431	0.018	0.137	0.069	0.006	0.724	-0.431	0.018	0.137	0.069	0.006	0.724
H3S-306_H3S-301	H3S-306	H3S-301	6	162.31	160.58	0.31	-0.417	0.038	0.166	0.083	0.012	0.993	-0.417	0.038	0.166	0.083	0.012	0.993
H3S-307_H3S-306	H3S-307	H3S-306	6	163.83	162.31	0.40	-0.434	0.012	0.133	0.066	0.005	0.682	-0.434	0.012	0.133	0.066	0.005	0.682
H3S-308_H3S-310	H3S-308	H3S-310	15	168.83	164.84	4.70	-0.801	0.276	0.359	0.449	1.298	5.075	-0.651	0.465	0.479	0.599	2.184	5.830
H3S-309_H3S-306	H3S-309	H3S-306	6	164.82	162.31	0.42	-0.434	0.009	0.133	0.066	0.004	0.585	-0.434	0.009	0.133	0.066	0.004	0.585
H3S-310_H4S-404	H3S-310	H4S-404	15	164.84	159.14	6.61	-0.677	0.201	0.459	0.574	1.327	4.743	-0.469	0.335	0.625	0.781	2.215	5.364
H3S-311_H3S-303	H3S-311	H3S-303	6	172	170.28	0.28	0.064	0.043	1.129	0.564	0.012	0.242	0.281	0.042	1.563	0.781	0.012	0.101
H3S-401_H3S-106	H3S-401	H3S-106	6	227.41	206.44	1.21	-0.444	0.008	0.112	0.056	0.009	1.734	-0.444	0.008	0.112	0.056	0.009	1.735
H3S-402_I3S-206	H3S-402	I3S-206	6	235.15	227.31	0.99	-0.455	0.004	0.091	0.045	0.004	1.077	-0.455	0.004	0.091	0.046	0.004	1.078
H3S-403_H3S-402	H3S-403	H3S-402	6	242.03	235.15	0.93	-0.477	0.003	0.046	0.023	0.003	1.438	-0.477	0.003	0.046	0.023	0.003	1.438
H3S-404_H3S-405	H3S-404	H3S-405	6	261.62	208.72	1.65	-0.445	0.012	0.111	0.056	0.019	3.207	-0.444	0.012	0.111	0.056	0.019	3.208
H3S-405_H3S-105	H3S-405	H3S-105	6	208.72	197.34	1.00	-0.357	0.026	0.286	0.143	0.026	1.451	-0.357	0.026	0.286	0.143	0.026	1.451
H3S-406_H3S-503	H3S-406	H3S-503	6	195.95	193.41	0.49	-0.372	0.017	0.257	0.128	0.008	0.553	-0.369	0.017	0.263	0.131	0.008	0.542
H3S-407_H3S-406	H3S-407	H3S-406	6	201.2	195.95	0.68	-0.455	0.002	0.090	0.045	0.001	0.420	-0.455	0.002	0.090	0.045	0.001	0.421
H3S-408_H3S-409	H3S-408	H3S-409	6	338.37	314.36	1.45	-0.454	0.004	0.093	0.047	0.005	1.419	-0.454	0.004	0.093	0.047	0.005	1.420
H3S-409_H3S-410	H3S-409	H3S-410	6	314.36	313.14	0.38	-0.454	0.018	0.093	0.047	0.007	1.147	-0.453	0.018	0.093	0.047	0.007	1.147

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
H3S-410_H3S-411	H3S-410	H3S-411	6	313.14	312.65	0.47	-0.454	0.017	0.092	0.046	0.008	1.415	-0.454	0.018	0.092	0.046	0.008	1.416
H3S-411_H3S-412	H3S-411	H3S-412	6	312.65	297.84	1.69	-0.468	0.006	0.064	0.032	0.010	3.187	-0.468	0.006	0.064	0.032	0.010	3.189
H3S-412_H3S-404	H3S-412	H3S-404	6	297.84	261.62	1.69	-0.462	0.008	0.075	0.038	0.014	3.536	-0.462	0.008	0.076	0.038	0.014	3.538
H3S-413_H3S-414	H3S-413	H3S-414	6	270.2	267.21	0.40	-0.469	0.007	0.062	0.031	0.003	0.869	-0.469	0.007	0.062	0.031	0.003	0.869
H3S-414_I3S-103	H3S-414	I3S-103	6	267.21	248.61	1.06	-0.463	0.008	0.075	0.037	0.008	2.149	-0.463	0.008	0.075	0.038	0.008	2.150
H3S-501_H3S-603	H3S-501	H3S-603	6	175.11	172.88	0.28	0.027	0.048	1.053	0.527	0.014	0.345	0.265	0.049	1.529	0.765	0.014	0.124
H3S-502_H3S-515	H3S-502	H3S-515	6	179.67	175.21	0.49	-0.457	0.006	0.086	0.043	0.003	0.700	-0.457	0.006	0.086	0.043	0.003	0.701
H3S-503_H3S-504	H3S-503	H3S-504	6	193.41	191.24	0.47	-0.151	0.138	0.697	0.349	0.065	1.089	0.007	0.138	1.015	0.507	0.065	0.763
H3S-504_H3S-506	H3S-504	H3S-506	12	191.24	186.24	3.42	-0.623	0.262	0.377	0.377	0.897	5.389	-0.454	0.514	0.547	0.547	1.759	6.480
H3S-505_H3S-506	H3S-505	H3S-506	6	196.45	186.24	1.01	-0.123	0.041	0.755	0.377	0.041	0.751	0.047	0.041	1.093	0.547	0.041	0.503
H3S-506_H3S-507	H3S-506	H3S-507	12	186.24	182.93	3.11	-0.621	0.303	0.379	0.379	0.944	5.376	-0.449	0.581	0.551	0.551	1.807	6.348
H3S-507_H3S-508	H3S-507	H3S-508	12	182.93	179.63	3.12	-0.574	0.304	0.426	0.426	0.949	4.966	-0.370	0.582	0.630	0.630	1.814	5.823
H3S-508_H3S-514	H3S-508	H3S-514	12	179.63	177.78	2.51	-0.573	0.379	0.427	0.427	0.951	4.612	-0.368	0.725	0.632	0.632	1.818	5.397
H3S-509_H3S-512	H3S-509	H3S-512	6	201.93	200.35	0.44	-0.402	0.084	0.195	0.098	0.037	2.101	-0.402	0.084	0.195	0.098	0.037	2.102
H3S-510_H3S-509	H3S-510	H3S-509	6	206.53	201.93	0.97	-0.403	0.035	0.195	0.098	0.034	2.547	-0.402	0.035	0.195	0.098	0.034	2.548
H3S-511_H3S-510	H3S-511	H3S-510	6	209.83	206.53	0.57	-0.419	0.057	0.162	0.081	0.032	2.422	-0.419	0.057	0.162	0.081	0.032	2.423
H3S-512_H3S-505	H3S-512	H3S-505	6	200.35	196.45	0.46	-0.402	0.084	0.196	0.098	0.038	2.188	-0.402	0.084	0.196	0.098	0.038	2.189
H3S-513_H3S-609	H3S-513	H3S-609	6	191.87	185.73	0.61	-0.431	0.041	0.138	0.069	0.025	2.350	-0.431	0.041	0.138	0.069	0.025	2.351
H3S-514_H3S-614	H3S-514	H3S-614	12	177.78	175.88	2.64	-0.585	0.361	0.415	0.415	0.954	4.801	-0.389	0.690	0.611	0.611	1.823	5.633
H3S-515_H3S-501	H3S-515	H3S-501	6	175.21	175.11	0.22	-0.426	0.013	0.149	0.074	0.003	0.335	-0.426	0.013	0.147	0.074	0.003	0.338
H3S-601_H3S-308	H3S-601	H3S-308	6	169.98	168.83	0.28	-0.052	0.180	0.897	0.448	0.051	0.617	0.098	0.180	1.196	0.598	0.051	0.471
H3S-602_H3S-303	H3S-602	H3S-303	15	171.18	170.28	2.80	-0.686	0.364	0.452	0.564	1.019	3.052	-0.469	0.678	0.625	0.781	1.900	3.700
H3S-603_H3S-604	H3S-603	H3S-604	15	172.88	172.03	2.70	-0.723	0.372	0.422	0.527	1.007	3.176	-0.485	0.695	0.612	0.765	1.881	3.709
H3S-604_H3S-602	H3S-604	H3S-602	15	172.03	171.18	2.72	-0.723	0.372	0.421	0.527	1.013	3.225	-0.486	0.695	0.611	0.764	1.890	3.766
H3S-605_H3S-606	H3S-605	H3S-606	6	173.03	171.28	0.28	-0.363	0.140	0.273	0.137	0.039	1.480	-0.363	0.140	0.274	0.137	0.039	1.481
H3S-606_H3S-601	H3S-606	H3S-601	6	171.28	169.98	0.28	-0.359	0.165	0.282	0.141	0.046	1.616	-0.361	0.165	0.278	0.139	0.047	1.634
H3S-607_H3S-612	H3S-607	H3S-612	6	171.49	166.48	0.47	-0.406	0.031	0.188	0.094	0.015	1.180	-0.406	0.031	0.189	0.095	0.015	1.178
H3S-608_H3S-609	H3S-608	H3S-609	6	186.79	185.73	0.48	-0.434	0.003	0.132	0.066	0.001	0.260	-0.434	0.003	0.132	0.066	0.001	0.260
H3S-609_H3S-614	H3S-609	H3S-614	6	185.73	175.88	0.70	-0.131	0.038	0.738	0.369	0.026	0.497	0.032	0.038	1.064	0.532	0.026	0.334
H3S-610_H3S-603	H3S-610	H3S-603	6	174.59	172.88	0.28	0.027	0.002	1.053	0.527	0.001	0.097	0.265	0.004	1.529	0.765	0.001	0.097
H3S-610_H3S-605	H3S-610	H3S-605	6	173.81	173.03	0.28	-0.374	0.121	0.251	0.126	0.034	1.436	-0.374	0.121	0.251	0.126	0.034	1.436
H3S-611_H3S-607	H3S-611	H3S-607	6	174.49	171.49	0.38	-0.440	0.023	0.120	0.060	0.009	1.118	-0.440	0.023	0.121	0.060	0.009	1.118
H3S-612_H3S-613	H3S-612	H3S-613	6	166.48	165.49	0.28	-0.384	0.077	0.232	0.116	0.022	1.123	-0.374	0.077	0.253	0.126	0.022	1.049
H3S-613_H3S-310	H3S-613	H3S-310	6	165.49	164.84	0.28	-0.121	0.092	0.759	0.379	0.026	0.705	-0.002	0.092	0.996	0.498	0.026	0.706
H3S-614_H3S-603	H3S-614	H3S-603	12	175.88	172.88	3.48	-0.473	0.283	0.527	0.527	0.985	4.485	-0.235	0.534	0.765	0.765	1.856	5.341
H4S-101_H4S-108	H4S-101	H4S-108	6	155.29	154.24	0.31	-0.389	0.083	0.222	0.111	0.026	1.344	-0.389	0.084	0.223	0.111	0.026	1.344
H4S-102_H4S-113	H4S-102	H4S-113	6	159.72	159.12	0.33	-0.447	0.015	0.106	0.053	0.005	0.790	-0.447	0.015	0.106	0.053	0.005	0.790
H4S-103_H4S-105	H4S-103	H4S-105	30	149.39	148.41	13.02	-1.225	0.520	0.510	1.275	6.764	4.191	-1.068	0.625	0.573	1.433	8.138	4.390
H4S-104_H3S-304	H4S-104	H3S-304	6	156.04	153.89	0.33	-0.411	0.041	0.178	0.089	0.014	1.066	-0.411	0.041	0.178	0.089	0.014	1.067
H4S-105_G4S-409	H4S-105	G4S-409	30	148.41	147.43	13.05	-1.233	0.520	0.507	1.267	6.787	4.862	-1.092	0.620	0.563	1.408	8.086	5.156
H4S-106_G4S-407	H4S-106	G4S-407	6	152.87	151.48	0.31	-0.380	0.126	0.240	0.120	0.039	1.673	-0.380	0.126	0.240	0.120	0.039	1.673
H4S-107_H4S-108	H4S-107	H4S-108	6	155.92	154.24	0.36	-0.389	0.014	0.222	0.111	0.005	0.398	-0.389	0.014	0.223	0.111	0.005	0.398
H4S-108_H4S-106	H4S-108	H4S-106	6	154.24	152.87	0.31	-0.381	0.109	0.239	0.120	0.034	1.529	-0.380	0.109	0.239	0.120	0.034	1.530
H4S-109_H4S-110	H4S-109	H4S-110	6	157.26	156.47	0.40	-0.410	0.014	0.180	0.090	0.006	0.584	-0.410	0.014	0.180	0.090	0.006	0.584
H4S-110_H4S-101	H4S-110	H4S-101	6	156.47	155.29	0.31	-0.402	0.070	0.195	0.098	0.022	1.321	-0.402	0.071	0.196	0.098	0.022	1.322
H4S-111_H4S-112	H4S-111	H4S-112	6	160.77	158.18	0.55	-0.431	0.004	0.138	0.069	0.002	0.340	-0.431	0.004	0.138	0.069	0.002	0.340
H4S-112_H4S-110	H4S-112	H4S-110	6	158.18	156.47	0.31	-0.410	0.041	0.180	0.090	0.013	0.987	-0.410	0.041	0.180	0.090	0.013	0.987
H4S-113_H4S-112	H4S-113	H4S-112	6	159.12	158.18	0.33	-0.431	0.023	0.138	0.069	0.008	0.885	-0.431	0.023	0.138	0.069	0.008	0.885
H4S-201_H4S-203	H4S-201	H4S-203	6	157.4	153.48	0.53	-0.420	0.016	0.161	0.080	0.009	1.015	-0.420	0.016	0.160	0.080	0.009	1.020
H4S-202_H4S-204	H4S-202	H4S-204	6	157.57	154.8	0.38	-0.443	0.010	0.115	0.058	0.004	0.653	-0.442	0.010	0.115	0.058	0.004	0.653
H4S-203_H4S-509	H4S-203	H4S-509	6	153.48	151.57	0.31	0.651	0.058	2.303	1.151	0.018	0.451	0.655	0.058	2.310	1.155	0.018	0.450



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
H4S-204_H4S-501	H4S-204	H4S-501	6	154.8	152.02	0.38	0.670	0.031	2.340	1.170	0.012	0.313	0.672	0.028	2.343	1.172	0.011	0.313
H4S-205_H4S-203	H4S-205	H4S-203	6	155.49	153.48	0.38	-0.420	0.013	0.161	0.080	0.005	0.603	-0.420	0.013	0.160	0.080	0.005	0.606
H4S-302_H4S-303	H4S-302	H4S-303	6	155.53	153.41	0.33	-0.340	0.012	0.320	0.160	0.004	0.663	-0.338	0.012	0.324	0.162	0.004	0.664
H4S-303_H4S-502	H4S-303	H4S-502	6	153.41	152.4	0.33	0.670	0.027	2.340	1.170	0.009	0.284	0.672	0.027	2.344	1.172	0.009	0.284
H4S-401_H4S-103	H4S-401	H4S-103	30	150.35	149.39	13.07	-1.225	0.515	0.510	1.275	6.735	4.151	-1.065	0.626	0.574	1.435	8.179	4.341
H4S-402_H4S-109	H4S-402	H4S-109	6	176.32	174.51	0.33	-0.438	0.017	0.123	0.062	0.006	0.793	-0.438	0.017	0.123	0.062	0.006	0.793
H4S-403_H3S-612	H4S-403	H3S-612	6	170.28	166.48	0.57	-0.406	0.005	0.188	0.094	0.003	0.337	-0.406	0.005	0.189	0.095	0.003	0.336
H4S-404_H4S-405	H4S-404	H4S-405	15	159.14	158.1	3.08	-0.677	0.433	0.459	0.574	1.332	3.769	-0.469	0.722	0.625	0.781	2.224	4.325
H4S-405_H4S-407	H4S-405	H4S-407	15	158.1	157.26	3.71	-0.537	0.360	0.571	0.714	1.338	3.334	-0.273	0.601	0.782	0.977	2.231	3.788
H4S-406_H4S-407	H4S-406	H4S-407	6	158.03	157.26	0.28	0.214	0.006	1.427	0.714	0.002	0.099	0.477	0.013	1.954	0.977	0.004	0.099
H4S-407_H4S-408	H4S-407	H4S-408	18	157.26	156.21	5.29	-0.780	0.458	0.480	0.720	2.424	4.508	-0.521	0.759	0.653	0.979	4.016	5.102
H4S-408_H4S-401	H4S-408	H4S-401	18	156.21	155.16	5.20	-0.780	0.467	0.480	0.720	2.429	4.489	-0.521	0.773	0.653	0.979	4.021	5.197
H4S-409_H4S-407	H4S-409	H4S-407	12	163.85	157.26	4.60	-0.287	0.235	0.714	0.714	1.082	4.021	-0.023	0.387	0.977	0.977	1.778	4.625
H4S-410_H4S-411	H4S-410	H4S-411	12	167.55	166.06	2.47	-0.533	0.431	0.467	0.467	1.067	4.646	-0.364	0.713	0.636	0.636	1.764	5.238
H4S-411_H4S-409	H4S-411	H4S-409	12	166.06	163.85	2.42	-0.532	0.446	0.468	0.468	1.077	4.633	-0.364	0.734	0.636	0.636	1.773	5.212
H4S-412_H4S-411	H4S-412	H4S-411	6	167.11	166.06	0.40	-0.033	0.015	0.935	0.467	0.006	0.366	0.136	0.015	1.273	0.636	0.006	0.367
H4S-413_H4S-412	H4S-413	H4S-412	6	168.16	167.11	0.40	-0.452	0.012	0.095	0.048	0.005	0.919	-0.449	0.012	0.103	0.051	0.005	0.885
H4S-414_H4S-416	H4S-414	H4S-416	12	167.39	166.42	1.63	-0.507	0.489	0.493	0.493	0.797	3.336	-0.507	0.488	0.493	0.493	0.796	3.335
H4S-415_H4S-504	H4S-415	H4S-504	6	160	158	0.39	-0.454	0.005	0.093	0.047	0.002	0.482	-0.454	0.005	0.093	0.047	0.002	0.483
H4S-416_H4S-401	H4S-416	H4S-401	12	166.42	164.89	1.83	-0.536	0.440	0.465	0.465	0.806	3.498	-0.536	0.439	0.464	0.464	0.805	3.497
H4S-501_H4S-509	H4S-501	H4S-509	24	152.02	151.57	6.04	-0.830	0.653	0.585	1.170	3.940	3.245	-0.829	0.654	0.586	1.172	3.947	3.241
H4S-502_H4S-503	H4S-502	H4S-503	6	152.4	152.4	0.00	0.670	-152.382	2.340	1.170	0.012	0.089	0.672	-152.383	2.344	1.172	0.011	0.086
H4S-503_H4S-501	H4S-503	H4S-501	24	152.4	152.02	6.07	-0.830	0.644	0.585	1.170	3.911	3.177	-0.829	0.647	0.586	1.172	3.925	3.183
H4S-504_H4S-506	H4S-504	H4S-506	6	158	156.1	0.38	-0.441	0.018	0.118	0.059	0.007	0.957	-0.441	0.018	0.118	0.059	0.007	0.957
H4S-505_H4S-511	H4S-505	H4S-511	6	153	152.02	0.25	0.671	0.023	2.343	1.171	0.006	0.170	0.673	0.023	2.347	1.173	0.006	0.170
H4S-506_H4S-507	H4S-506	H4S-507	6	156.1	153.86	0.36	-0.428	0.030	0.144	0.072	0.011	1.102	-0.428	0.030	0.144	0.072	0.011	1.102
H4S-507_H4S-509	H4S-507	H4S-509	6	153.86	151.57	0.37	-0.651	0.045	2.303	1.151	0.017	0.393	0.655	0.045	2.310	1.155	0.017	0.392
H4S-508_H4S-416	H4S-508	H4S-416	6	169.98	166.42	0.50	-0.036	0.012	0.929	0.465	0.006	0.303	-0.036	0.012	0.929	0.464	0.006	0.304
H4S-509_H4S-401	H4S-509	H4S-401	24	151.57	150.85	6.09	-0.849	0.653	0.576	1.151	3.977	4.198	-0.845	0.656	0.577	1.155	3.990	4.096
H4S-510_H4S-613	H4S-510	H4S-613	6	160.16	155.98	0.46	-0.418	0.032	0.164	0.082	0.015	1.310	-0.418	0.032	0.164	0.082	0.015	1.311
H4S-511_H4S-501	H4S-511	H4S-501	6	152.02	152.02	0.00	0.671	-152.004	2.343	1.171	0.011	0.081	0.673	-152.003	2.347	1.173	0.011	0.083
H4S-601_H4S-503	H4S-601	H4S-503	24	152.48	152.4	5.94	-0.830	0.656	0.585	1.171	3.895	3.165	-0.827	0.658	0.586	1.173	3.908	3.168
H4S-602_H4S-603	H4S-602	H4S-603	6	160.26	158.14	0.33	-0.132	0.894	0.737	0.369	0.299	3.132	-0.132	0.894	0.737	0.369	0.299	3.131
H4S-603_H4S-606	H4S-603	H4S-606	6	158.14	152.95	0.49	0.667	0.627	2.333	1.167	0.307	2.372	0.668	0.626	2.337	1.168	0.307	2.371
H4S-604_H5S-401	H4S-604	H5S-401	6	159.52	158.1	0.28	-0.426	0.021	0.149	0.074	0.006	0.643	-0.426	0.021	0.149	0.075	0.006	0.643
H4S-605_H4S-612	H4S-605	H4S-612	6	161.29	158.27	0.40	-0.354	0.185	0.292	0.146	0.074	2.413	-0.354	0.186	0.292	0.146	0.074	2.414
H4S-606_H4S-601	H4S-606	H4S-601	24	152.95	152.48	6.03	-0.830	0.643	0.585	1.171	3.873	3.147	-0.827	0.644	0.586	1.173	3.882	3.147
H4S-608_H4S-606	H4S-608	H4S-606	24	153.36	152.95	5.77	-0.834	0.625	0.583	1.167	3.607	2.951	-0.832	0.627	0.584	1.168	3.616	2.952
H4S-610_H4S-611	H4S-610	H4S-611	6	154.95	153.76	0.40	0.647	0.041	2.293	1.147	0.016	0.291	0.649	0.033	2.297	1.149	0.013	0.292
H4S-611_H4S-608	H4S-611	H4S-608	24	153.76	153.36	5.63	-0.848	0.624	0.576	1.152	3.514	2.913	-0.846	0.626	0.577	1.154	3.524	2.914
H4S-612_H4S-608	H4S-612	H4S-608	6	158.27	153.36	0.52	0.652	0.154	2.303	1.152	0.080	0.759	0.654	0.154	2.307	1.154	0.080	0.760
H4S-613_H4S-601	H4S-613	H4S-601	6	155.98	152.48	0.40	0.671	0.059	2.341	1.171	0.023	0.460	0.673	0.059	2.345	1.173	0.023	0.461
H5S-101_H5S-403	H5S-101	H5S-403	6	156.34	154.34	0.31	0.641	0.045	2.282	1.141	0.014	0.319	0.643	0.046	2.287	1.143	0.014	0.317
H5S-102_H5S-101	H5S-102	H5S-101	6	157.52	156.34	0.28	-0.427	0.038	0.145	0.073	0.011	1.022	-0.427	0.038	0.145	0.073	0.011	1.024
H5S-201_H5S-102	H5S-201	H5S-102	6	159.75	157.52	0.34	-0.434	0.012	0.133	0.066	0.004	0.556	-0.434	0.012	0.133	0.066	0.004	0.556
H5S-202_H5S-203	H5S-202	H5S-203	6	159.59	158.99	0.31	-0.452	0.013	0.096	0.048	0.004	0.717	-0.452	0.013	0.096	0.048	0.004	0.717
H5S-203_H5S-501	H5S-203	H5S-501	6	158.99	158.29	0.31	-0.439	0.019	0.122	0.061	0.006	0.786	-0.439	0.019	0.122	0.061	0.006	0.787
H5S-205_H5S-511	H5S-205	H5S-511	6	158.56	156.64	0.31	-0.424	0.022	0.152	0.076	0.007	1.004	-0.424	0.022	0.152	0.076	0.007	0.996
H5S-401_H5S-408	H5S-401	H5S-408	6	158.1	156.64	0.28	-0.387	0.049	0.225	0.113	0.014	0.828	-0.387	0.049	0.226	0.113	0.014	0.828
H5S-402_H4S-611	H5S-402	H4S-611	24	153.87	153.76	5.57	-0.853	0.629	0.574	1.147	3.507	2.918	-0.851	0.631	0.575	1.149	3.516	2.919
H5S-403_H5S-402	H5S-403	H5S-402	24	154.34	153.87	5.65	-0.853	0.620	0.574	1.147	3.500	2.915	-0.851	0.622	0.575	1.149	3.510	2.917

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
H5S-404_H5S-403	H5S-404	H5S-403	24	154.57	154.34	7.47	-0.859	0.462	0.571	1.141	3.451	3.006	-0.857	0.463	0.572	1.143	3.461	3.007
H5S-405_H5S-404	H5S-405	H5S-404	24	154.99	154.57	5.68	-0.891	0.607	0.554	1.109	3.447	3.091	-0.889	0.609	0.555	1.111	3.457	3.093
H5S-406_H5S-407	H5S-406	H5S-407	6	160.25	159.17	0.40	-0.328	0.246	0.344	0.172	0.099	2.587	-0.328	0.247	0.344	0.172	0.099	2.587
H5S-407_H5S-506	H5S-407	H5S-506	6	159.17	157.5	0.40	-0.290	0.252	0.420	0.210	0.101	2.264	-0.290	0.252	0.421	0.210	0.101	2.265
H5S-408_H5S-409	H5S-408	H5S-409	6	156.64	155.64	0.28	-0.387	0.112	0.225	0.113	0.032	1.500	-0.387	0.112	0.226	0.113	0.032	1.500
H5S-409_H5S-403	H5S-409	H5S-403	6	155.64	154.34	0.28	0.641	0.149	2.282	1.141	0.042	0.497	0.643	0.150	2.287	1.143	0.042	0.498
H5S-410_H5S-409	H5S-410	H5S-409	6	159.98	155.64	0.66	-0.388	0.010	0.224	0.112	0.007	0.588	-0.388	0.010	0.224	0.112	0.007	0.588
H5S-411_H5S-402	H5S-411	H5S-402	6	155.01	153.87	0.31	0.647	0.023	2.295	1.147	0.007	0.275	0.649	0.022	2.299	1.149	0.007	0.274
H5S-501_H5S-504	H5S-501	H5S-504	6	158.29	157.32	0.31	-0.434	0.032	0.131	0.066	0.010	1.114	-0.434	0.032	0.131	0.066	0.010	1.114
H5S-502_H5S-508	H5S-502	H5S-508	24	155.83	155.53	6.56	-0.909	0.509	0.546	1.091	3.339	3.019	-0.907	0.510	0.547	1.094	3.348	3.019
H5S-503_H5S-502	H5S-503	H5S-502	24	156.04	155.83	5.07	-0.896	0.657	0.552	1.104	3.333	2.992	-0.894	0.659	0.553	1.106	3.343	2.994
H5S-504_H5S-503	H5S-504	H5S-503	6	157.32	156.04	0.31	0.604	0.048	2.207	1.104	0.015	0.187	0.606	0.048	2.212	1.106	0.015	0.186
H5S-505_H5S-503	H5S-505	H5S-503	24	156.39	156.04	5.61	-0.895	0.592	0.553	1.106	3.319	2.893	-0.892	0.594	0.554	1.108	3.330	2.895
H5S-506_H5S-507	H5S-506	H5S-507	6	157.5	156.68	0.31	-0.216	0.352	0.568	0.284	0.109	1.813	-0.216	0.353	0.569	0.284	0.109	1.810
H5S-507_H5S-508	H5S-507	H5S-508	6	156.68	155.53	0.31	0.591	0.356	2.182	1.091	0.111	0.856	0.594	0.358	2.187	1.094	0.111	0.860
H5S-508_H5S-405	H5S-508	H5S-405	24	155.53	154.99	5.98	-0.891	0.575	0.554	1.109	3.440	2.999	-0.889	0.577	0.555	1.111	3.451	3.001
H5S-509_H5S-506	H5S-509	H5S-506	6	158.28	157.5	0.34	-0.290	0.018	0.420	0.210	0.006	0.368	-0.290	0.018	0.421	0.210	0.006	0.370
H5S-510_H5S-509	H5S-510	H5S-509	6	160.46	158.28	0.34	-0.451	0.012	0.097	0.049	0.004	0.730	-0.451	0.012	0.098	0.049	0.004	0.731
H5S-511_H5S-508	H5S-511	H5S-508	6	156.64	155.53	0.31	0.591	0.052	2.182	1.091	0.016	0.201	0.594	0.034	2.187	1.094	0.011	0.202
H5S-604_H5S-505	H5S-604	H5S-505	24	157	156.39	5.87	-0.895	0.553	0.553	1.106	3.244	2.849	-0.892	0.555	0.554	1.108	3.255	2.852
H5S-605_H5S-604	H5S-605	H5S-604	24	157.44	157	6.05	-0.933	0.532	0.534	1.067	3.221	2.950	-0.931	0.534	0.535	1.069	3.233	2.952
H5S-606_H5S-607	H5S-606	H5S-607	6	160.02	158.76	0.28	-0.444	0.017	0.112	0.056	0.005	0.876	-0.444	0.017	0.112	0.056	0.005	0.877
H5S-607_H5S-605	H5S-607	H5S-605	6	158.76	157.44	0.28	0.545	0.035	2.089	1.045	0.010	0.317	0.547	0.035	2.094	1.047	0.010	0.319
H5S-608_H5S-605	H5S-608	H5S-605	24	157.6	157.44	5.49	-0.938	0.582	0.531	1.062	3.194	2.953	-0.936	0.584	0.532	1.064	3.206	2.955
H5S-609_H5S-608	H5S-609	H5S-608	24	157.75	157.6	5.15	-0.914	0.620	0.543	1.086	3.191	2.878	-0.911	0.622	0.544	1.089	3.203	2.880
H5S-610_H5S-613	H5S-610	H5S-613	6	162.29	159.86	0.36	-0.421	0.036	0.159	0.080	0.013	1.146	-0.420	0.036	0.159	0.080	0.013	1.147
H5S-611_H5S-610	H5S-611	H5S-610	6	164.27	162.29	0.34	-0.435	0.015	0.130	0.065	0.005	0.667	-0.435	0.015	0.130	0.065	0.005	0.667
H5S-612_H5S-614	H5S-612	H5S-614	6	162.68	159.55	0.47	-0.452	0.008	0.097	0.049	0.004	0.806	-0.451	0.008	0.097	0.049	0.004	0.806
H5S-613_H5S-605	H5S-613	H5S-605	6	159.86	157.44	0.36	0.545	0.056	2.089	1.045	0.020	0.580	0.547	0.056	2.094	1.047	0.020	0.583
H5S-614_H5S-609	H5S-614	H5S-609	6	159.55	157.75	0.36	0.586	0.022	2.173	1.086	0.008	0.478	0.589	0.022	2.178	1.089	0.008	0.477
H6S-401_H5S-609	H6S-401	H5S-609	24	157.94	157.75	5.36	-0.905	0.594	0.547	1.095	3.182	2.816	-0.903	0.596	0.549	1.097	3.194	2.819
H6S-402_H6S-401	H6S-402	H6S-401	24	158.43	157.94	6.02	-0.905	0.528	0.547	1.095	3.180	2.844	-0.903	0.530	0.549	1.097	3.193	2.846
I2S-205_I2S-305	I2S-205	I2S-305	6	260.18	251.09	0.65	-0.495	0.000	0.010	0.005	0.000	0.408	-0.495	0.000	0.010	0.005	0.000	0.408
I2S-302_I2S-303	I2S-302	I2S-303	6	243.37	238.53	0.65	-0.496	0.000	0.007	0.004	0.000	0.225	-0.496	0.000	0.007	0.004	0.000	0.225
I2S-303_I2S-304	I2S-303	I2S-304	6	238.53	236.37	0.65	-0.496	0.000	0.007	0.004	0.000	0.209	-0.496	0.000	0.007	0.004	0.000	0.209
I2S-305_I2S-306	I2S-305	I2S-306	6	251.09	241.19	0.65	-0.495	0.000	0.010	0.005	0.000	0.405	-0.495	0.000	0.010	0.005	0.000	0.405
I2S-306_I2S-308	I2S-306	I2S-308	6	241.19	231.36	0.65	-0.433	0.000	0.135	0.067	0.000	0.339	-0.433	0.000	0.135	0.067	0.000	0.339
I2S-307_I2S-308	I2S-307	I2S-308	6	233.41	231.36	0.44	-0.421	0.054	0.157	0.079	0.023	1.843	-0.421	0.054	0.158	0.079	0.024	1.844
I2S-308_I2S-309	I2S-308	I2S-309	6	231.36	222.08	0.65	-0.381	0.039	0.238	0.119	0.025	1.546	-0.381	0.039	0.238	0.119	0.025	1.546
I2S-309_I2S-311	I2S-309	I2S-311	6	222.08	220.83	0.28	-0.381	0.125	0.238	0.119	0.035	1.546	-0.381	0.125	0.238	0.119	0.035	1.546
I2S-310_I2S-309	I2S-310	I2S-309	6	222.86	222.08	0.31	-0.381	0.031	0.238	0.119	0.010	0.617	-0.381	0.031	0.238	0.119	0.010	0.617
I2S-311_I2S-312	I2S-311	I2S-312	6	220.83	220.46	0.38	-0.375	0.094	0.251	0.125	0.035	1.612	-0.375	0.094	0.251	0.125	0.036	1.613
I2S-312_I3S-113	I2S-312	I3S-113	6	220.46	217.78	0.38	-0.374	0.138	0.251	0.126	0.052	2.104	-0.374	0.139	0.252	0.126	0.053	2.105
I2S-601_I2S-609	I2S-601	I2S-609	6	271.13	263.87	0.65	-0.496	0.000	0.009	0.005	0.000	0.302	-0.496	0.000	0.009	0.005	0.000	0.302
I2S-603_I2S-601	I2S-603	I2S-601	6	272.69	271.13	0.00	-0.496	0.000	0.007	0.004	0.000	0.126	-0.496	0.000	0.007	0.004	0.000	0.126
I2S-607_I2S-606	I2S-607	I2S-606	6	259.68	257.02	0.00	-0.497	0.000	0.007	0.004	0.000	0.218	-0.497	0.000	0.007	0.004	0.000	0.218
I2S-609_I2S-610	I2S-609	I2S-610	6	263.87	251.24	0.65	-0.496	0.000	0.009	0.005	0.000	0.306	-0.496	0.000	0.009	0.005	0.000	0.306
I2S-610_I3S-410	I2S-610	I3S-410	6	251.24	244.34	0.65	-0.495	0.000	0.010	0.005	0.000	0.308	-0.495	0.000	0.010	0.005	0.000	0.308
I2S-611_I3S-410	I2S-611	I3S-410	6	246.92	244.34	0.65	-0.495	0.000	0.010	0.005	0.000	0.257	-0.495	0.000	0.010	0.005	0.000	0.257
I3P-201_I3S-112	I3P-201	I3S-112	6	221.51	218.13	0.78	-0.440	0.017	0.120	0.060	0.013	1.883	-0.440	0.017	0.120	0.060	0.014	1.884
I3P-501_I3S-515	I3P-501	I3S-515	6	198.42	197.44	0.36	-0.366	0.121	0.269	0.134	0.043	1.725	-0.366	0.121	0.269	0.135	0.043	1.726

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I3P-502_I3P-501	I3P-502	I3P-501	6	198.74	198.42	0.36	-0.382	0.116	0.235	0.118	0.042	1.861	-0.382	0.116	0.236	0.118	0.042	1.862
I3P-601_I3S-607	I3P-601	I3S-607	6	188.73	187.95	0.31	-0.287	0.208	0.427	0.214	0.064	1.506	-0.131	0.209	0.738	0.369	0.064	1.506
I3P-602_I3P-601	I3P-602	I3P-601	6	188.91	188.73	0.30	-0.343	0.206	0.315	0.157	0.061	1.811	-0.333	0.207	0.334	0.167	0.061	1.724
I3S-101_I2S-310	I3S-101	I2S-310	6	226.55	222.86	0.46	-0.439	0.012	0.122	0.061	0.005	0.828	-0.439	0.012	0.123	0.061	0.005	0.829
I3S-102_I2S-312	I3S-102	I2S-312	6	221.16	220.46	0.28	-0.375	0.058	0.251	0.125	0.016	0.861	-0.375	0.058	0.251	0.125	0.017	0.861
I3S-103_I3S-102	I3S-103	I3S-102	6	248.61	221.16	1.07	-0.417	0.011	0.166	0.083	0.012	1.414	-0.417	0.012	0.166	0.083	0.012	1.415
I3S-104_I3S-105	I3S-104	I3S-105	6	222.29	219.69	1.08	-0.459	0.003	0.082	0.041	0.003	0.881	-0.459	0.003	0.082	0.041	0.003	0.881
I3S-105_I3S-107	I3S-105	I3S-107	6	219.69	218.05	0.40	-0.437	0.014	0.127	0.063	0.005	0.779	-0.437	0.014	0.127	0.063	0.005	0.780
I3S-106_I3S-105	I3S-106	I3S-105	6	220.7	219.69	0.52	-0.459	0.003	0.082	0.041	0.001	0.440	-0.459	0.003	0.082	0.041	0.001	0.441
I3S-107_I3S-110	I3S-107	I3S-110	6	218.05	215.21	0.40	-0.373	0.035	0.253	0.127	0.014	0.818	-0.373	0.035	0.254	0.127	0.014	0.818
I3S-108_I3S-107	I3S-108	I3S-107	6	220.7	218.05	0.47	-0.437	0.014	0.127	0.063	0.007	0.950	-0.437	0.014	0.127	0.063	0.007	0.950
I3S-109_I3S-401	I3S-109	I3S-401	6	213.6	212.23	0.28	-0.289	0.357	0.421	0.211	0.101	2.014	-0.289	0.357	0.422	0.211	0.101	2.014
I3S-110_I3S-109	I3S-110	I3S-109	6	215.21	213.6	0.28	-0.294	0.143	0.411	0.206	0.040	1.078	-0.294	0.143	0.412	0.206	0.040	1.079
I3S-111_I3S-110	I3S-111	I3S-110	6	216.51	215.21	0.28	-0.373	0.073	0.253	0.127	0.021	1.003	-0.373	0.073	0.254	0.127	0.021	1.003
I3S-112_I3S-111	I3S-112	I3S-111	6	218.13	216.51	0.49	-0.409	0.031	0.182	0.091	0.015	1.245	-0.409	0.031	0.182	0.091	0.015	1.245
I3S-113_I3S-109	I3S-113	I3S-109	6	217.78	213.6	0.47	-0.294	0.120	0.411	0.206	0.057	1.601	-0.294	0.120	0.412	0.206	0.057	1.601
I3S-201_I3S-202	I3S-201	I3S-202	6	226.98	224.29	0.51	-0.464	0.008	0.073	0.037	0.004	1.077	-0.463	0.008	0.073	0.037	0.004	1.078
I3S-202_I3S-216	I3S-202	I3S-216	6	224.29	223.28	0.38	-0.463	0.011	0.073	0.037	0.004	0.991	-0.463	0.011	0.073	0.037	0.004	0.992
I3S-203_I3S-216	I3S-203	I3S-216	6	224.42	223.28	0.42	-0.448	0.023	0.105	0.052	0.010	1.376	-0.448	0.023	0.105	0.052	0.010	1.377
I3S-204_H3S-511	I3S-204	H3S-511	6	213	209.83	0.45	-0.419	0.034	0.162	0.081	0.015	1.372	-0.419	0.034	0.162	0.081	0.015	1.372
I3S-205_I3S-203	I3S-205	I3S-203	6	225.94	224.42	0.40	-0.448	0.021	0.105	0.052	0.008	1.217	-0.448	0.021	0.105	0.052	0.008	1.218
I3S-206_I3S-205	I3S-206	I3S-205	6	227.31	225.94	0.40	-0.450	0.017	0.100	0.050	0.007	1.113	-0.450	0.017	0.100	0.050	0.007	1.113
I3S-207_I3S-208	I3S-207	I3S-208	6	218.56	215.79	0.49	-0.440	0.017	0.120	0.060	0.008	1.148	-0.440	0.017	0.120	0.060	0.008	1.148
I3S-208_I3S-209	I3S-208	I3S-209	6	215.79	214.86	0.40	-0.440	0.031	0.120	0.060	0.012	1.421	-0.440	0.031	0.120	0.060	0.012	1.422
I3S-209_I3S-219	I3S-209	I3S-219	6	214.86	212.95	0.52	-0.444	0.026	0.112	0.056	0.014	1.768	-0.444	0.026	0.112	0.056	0.014	1.769
I3S-210_I3S-305	I3S-210	I3S-305	6	190.76	188.94	0.48	-0.444	0.006	0.113	0.057	0.003	0.533	-0.443	0.006	0.113	0.057	0.003	0.534
I3S-211_H3S-513	I3S-211	H3S-513	6	194.78	191.87	0.61	-0.431	0.034	0.138	0.069	0.021	2.083	-0.431	0.034	0.138	0.069	0.021	2.084
I3S-212_I3S-507	I3S-212	I3S-507	6	248.58	225.49	1.31	-0.470	0.003	0.060	0.030	0.004	1.679	-0.470	0.003	0.060	0.030	0.004	1.680
I3S-213_I3S-503	I3S-213	I3S-503	6	235.47	227.78	0.97	-0.474	0.004	0.052	0.026	0.004	1.726	-0.474	0.004	0.052	0.026	0.004	1.727
I3S-214_I3S-215	I3S-214	I3S-215	6	261.82	260.05	0.47	-0.480	0.003	0.040	0.020	0.001	0.816	-0.480	0.003	0.040	0.020	0.001	0.817
I3S-215_I3S-505	I3S-215	I3S-505	6	260.05	240.14	1.29	-0.468	0.002	0.064	0.032	0.003	1.181	-0.468	0.002	0.064	0.032	0.003	1.182
I3S-216_I3S-204	I3S-216	I3S-204	6	223.28	213	1.99	-0.437	0.007	0.126	0.063	0.014	2.360	-0.437	0.007	0.126	0.063	0.014	2.362
I3S-217_I3P-201	I3S-217	I3P-201	6	226.2	221.51	0.85	-0.454	0.010	0.092	0.046	0.008	1.697	-0.454	0.010	0.092	0.046	0.008	1.697
I3S-218_H3S-217	I3S-218	H3S-217	6	245.14	226.2	1.23	-0.466	0.003	0.069	0.035	0.004	1.464	-0.466	0.003	0.069	0.035	0.004	1.464
I3S-219_I3S-211	I3S-219	I3S-211	6	212.95	194.78	1.05	-0.437	0.016	0.126	0.063	0.016	2.275	-0.437	0.016	0.126	0.063	0.016	2.276
I3S-301_I3S-302	I3S-301	I3S-302	6	183.51	182.47	0.45	-0.424	0.043	0.152	0.076	0.019	1.687	-0.424	0.043	0.152	0.076	0.019	1.688
I3S-302_I3S-303	I3S-302	I3S-303	6	182.47	179.34	0.58	-0.415	0.050	0.170	0.085	0.029	2.187	-0.415	0.050	0.170	0.085	0.029	2.188
I3S-303_H3S-610	I3S-303	H3S-610	6	179.34	173.81	0.51	-0.383	0.063	0.235	0.117	0.032	1.738	-0.383	0.063	0.235	0.118	0.032	1.739
I3S-304_H3S-611	I3S-304	H3S-611	6	176.89	174.49	0.49	-0.448	0.008	0.105	0.052	0.004	0.758	-0.448	0.008	0.105	0.052	0.004	0.758
I3S-305_I3S-307	I3S-305	I3S-307	6	188.94	186.47	0.45	-0.434	0.027	0.132	0.066	0.012	1.385	-0.434	0.027	0.132	0.066	0.012	1.386
I3S-306_I3S-305	I3S-306	I3S-305	6	192.55	188.94	0.40	-0.444	0.017	0.113	0.057	0.007	1.003	-0.443	0.017	0.113	0.057	0.007	1.003
I3S-307_I3S-301	I3S-307	I3S-301	6	186.47	183.51	0.44	-0.430	0.038	0.140	0.070	0.017	1.589	-0.430	0.038	0.141	0.070	0.017	1.590
I3S-308_I3S-309	I3S-308	I3S-309	6	186.59	184.16	0.40	-0.439	0.014	0.123	0.062	0.005	0.794	-0.438	0.014	0.123	0.062	0.005	0.795
I3S-309_I3S-302	I3S-309	I3S-302	6	184.16	182.47	0.28	-0.424	0.033	0.152	0.076	0.009	0.878	-0.424	0.033	0.152	0.076	0.009	0.878
I3S-310_I3S-311	I3S-310	I3S-311	6	184.94	183.92	0.42	-0.371	0.146	0.258	0.129	0.061	2.365	-0.371	0.146	0.258	0.129	0.061	2.367
I3S-311_I4S-101	I3S-311	I4S-101	6	183.92	180.58	0.51	-0.348	0.122	0.303	0.152	0.061	2.231	-0.348	0.122	0.304	0.152	0.062	2.232
I3S-312_I4S-111	I3S-312	I4S-111	6	178.02	177.86	0.28	0.146	0.282	1.292	0.646	0.079	1.019	0.418	0.286	1.835	0.918	0.080	1.017
I3S-313_I4S-110	I3S-313	I4S-110	12	177.86	170.82	3.34	-0.551	0.305	0.449	0.449	1.037	5.210	-0.391	0.518	0.610	0.610	1.732	5.893
I3S-401_I3S-402	I3S-401	I3S-402	6	212.23	210.85	0.28	-0.289	0.372	0.421	0.211	0.105	2.139	-0.289	0.373	0.422	0.211	0.106	2.140
I3S-402_I3S-403	I3S-402	I3S-403	6	210.85	208.93	0.54	-0.294	0.200	0.413	0.206	0.107	2.622	-0.294	0.201	0.413	0.207	0.107	2.623
I3S-403_I3S-520	I3S-403	I3S-520	8	208.93	206.98	0.60	-0.458	0.209	0.313	0.209	0.124	2.077	-0.458	0.209	0.314	0.209	0.125	2.077

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I3S-404_I3S-405	I3S-404	I3S-405	6	253.39	249.54	0.00	-0.497	0.000	0.007	0.004	0.000	0.228	-0.497	0.000	0.007	0.004	0.000	0.228
I3S-407_I3S-402	I3S-407	I3S-402	6	217.58	210.85	0.65	-0.347	0.000	0.305	0.153	0.000	0.324	-0.347	0.000	0.306	0.153	0.000	0.324
I3S-409_I3S-407	I3S-409	I3S-407	6	232.87	217.58	0.65	-0.494	0.000	0.013	0.007	0.000	0.490	-0.494	0.000	0.013	0.007	0.000	0.490
I3S-410_I3S-409	I3S-410	I3S-409	6	244.34	232.87	1.29	-0.495	0.000	0.011	0.005	0.000	0.456	-0.495	0.000	0.011	0.005	0.000	0.456
I3S-501_I3S-403	I3S-501	I3S-403	6	210.11	208.93	0.25	-0.294	0.060	0.413	0.206	0.015	0.558	-0.294	0.060	0.413	0.207	0.015	0.558
I3S-502_I3S-509	I3S-502	I3S-509	6	208.25	206.38	0.33	-0.429	0.033	0.141	0.071	0.011	1.101	-0.429	0.033	0.141	0.071	0.011	1.102
I3S-503_I3S-502	I3S-503	I3S-502	6	227.78	208.25	1.03	-0.438	0.005	0.124	0.062	0.005	1.000	-0.438	0.005	0.124	0.062	0.005	1.001
I3S-504_I3S-503	I3S-504	I3S-503	6	232.13	227.78	0.90	-0.474	0.002	0.052	0.026	0.001	0.774	-0.474	0.002	0.052	0.026	0.001	0.774
I3S-505_I3S-506	I3S-505	I3S-506	6	240.14	228.24	0.83	-0.467	0.008	0.066	0.033	0.007	1.952	-0.467	0.008	0.066	0.033	0.007	1.953
I3S-506_I3S-510	I3S-506	I3S-510	6	228.24	207.76	1.27	-0.442	0.009	0.117	0.059	0.011	1.887	-0.442	0.009	0.117	0.059	0.011	1.888
I3S-507_I3S-501	I3S-507	I3S-501	6	225.49	210.11	1.13	-0.419	0.007	0.163	0.082	0.008	1.044	-0.418	0.007	0.163	0.082	0.008	1.044
I3S-508_I3S-511	I3S-508	I3S-511	6	204.52	199.5	0.57	-0.387	0.054	0.226	0.113	0.030	1.785	-0.387	0.054	0.227	0.113	0.030	1.786
I3S-509_I3S-508	I3S-509	I3S-508	6	206.38	204.52	0.61	-0.422	0.043	0.157	0.078	0.026	2.215	-0.421	0.043	0.157	0.079	0.026	2.216
I3S-510_I3S-509	I3S-510	I3S-509	6	207.76	206.38	0.47	-0.429	0.029	0.141	0.071	0.014	1.428	-0.429	0.029	0.141	0.071	0.014	1.429
I3S-511_I3P-502	I3S-511	I3P-502	6	199.5	198.74	0.36	-0.385	0.113	0.230	0.115	0.040	1.841	-0.385	0.113	0.230	0.115	0.040	1.842
I3S-512_I3S-511	I3S-512	I3S-511	6	215.46	199.5	1.02	-0.387	0.005	0.226	0.113	0.005	0.511	-0.387	0.005	0.227	0.113	0.005	0.511
I3S-513_I3S-514	I3S-513	I3S-514	6	205.4	201.04	0.90	-0.474	0.005	0.052	0.026	0.004	1.679	-0.474	0.005	0.053	0.026	0.004	1.680
I3S-514_I3S-515	I3S-514	I3S-515	6	201.04	197.44	0.77	-0.366	0.005	0.269	0.134	0.004	0.316	-0.366	0.005	0.269	0.135	0.004	0.315
I3S-515_I3S-516	I3S-515	I3S-516	6	197.44	197.12	0.31	-0.360	0.157	0.281	0.140	0.049	1.731	-0.360	0.157	0.281	0.141	0.049	1.732
I3S-516_I3S-518	I3S-516	I3S-518	6	197.12	196.63	0.28	-0.360	0.173	0.281	0.140	0.049	1.708	-0.360	0.174	0.281	0.141	0.049	1.709
I3S-517_I3S-518	I3S-517	I3S-518	6	197.13	196.63	0.31	-0.394	0.013	0.213	0.106	0.004	0.405	-0.393	0.013	0.213	0.107	0.004	0.404
I3S-518_I3S-612	I3S-518	I3S-612	6	196.63	193.91	0.55	-0.386	0.100	0.227	0.114	0.055	2.654	-0.386	0.100	0.228	0.114	0.055	2.656
I3S-519_I3S-201	I3S-519	I3S-201	8	205.2	203.04	0.69	-0.462	0.192	0.306	0.204	0.133	2.326	-0.462	0.193	0.307	0.204	0.133	2.326
I3S-520_I3S-519	I3S-520	I3S-519	8	206.98	205.2	0.61	-0.458	0.214	0.314	0.209	0.130	2.157	-0.458	0.214	0.314	0.209	0.130	2.157
I3S-601_I3S-602	I3S-601	I3S-602	6	190.74	189.68	0.28	-0.389	0.039	0.222	0.111	0.011	0.716	-0.389	0.039	0.222	0.111	0.011	0.716
I3S-602_I3S-603	I3S-602	I3S-603	6	189.68	187.64	0.44	-0.389	0.109	0.223	0.111	0.048	2.265	-0.388	0.109	0.223	0.112	0.048	2.266
I3S-603_I3S-310	I3S-603	I3S-310	6	187.64	184.94	0.44	-0.371	0.110	0.257	0.129	0.048	2.045	-0.371	0.110	0.258	0.129	0.048	2.046
I3S-604_I4S-402	I3S-604	I4S-402	15	185.75	185.05	2.23	-0.683	0.425	0.454	0.567	0.949	2.803	-0.463	0.729	0.630	0.788	1.628	3.158
I3S-605_I3S-610	I3S-605	I3S-610	15	192.54	186.45	5.75	-0.685	0.002	0.452	0.566	0.014	0.329	-0.464	0.002	0.629	0.786	0.014	0.329
I3S-606_I3S-609	I3S-606	I3S-609	15	187.5	186.65	2.04	-0.666	0.448	0.468	0.584	0.914	2.802	-0.431	0.775	0.655	0.819	1.582	3.181
I3S-607_I3S-606	I3S-607	I3S-606	6	187.95	187.5	0.42	0.084	0.160	1.169	0.584	0.067	0.620	0.319	0.164	1.639	0.819	0.069	0.534
I3S-608_I3P-602	I3S-608	I3P-602	6	189.05	188.91	0.26	-0.340	0.228	0.321	0.160	0.060	1.743	-0.339	0.229	0.322	0.161	0.060	1.726
I3S-609_I3S-610	I3S-609	I3S-610	15	186.65	186.45	2.97	-0.685	0.310	0.452	0.566	0.918	2.801	-0.464	0.535	0.629	0.786	1.589	3.175
I3S-610_I3S-604	I3S-610	I3S-604	15	186.45	185.75	2.24	-0.683	0.422	0.454	0.567	0.943	2.702	-0.463	0.723	0.630	0.788	1.618	3.081
I3S-611_I3S-609	I3S-611	I3S-609	15	189	186.65	6.67	-0.734	0.000	0.413	0.516	0.002	0.386	-0.524	0.000	0.581	0.726	0.002	0.386
I3S-612_I3S-608	I3S-612	I3S-608	6	193.91	189.05	0.52	-0.340	0.114	0.321	0.160	0.059	2.096	-0.339	0.114	0.322	0.161	0.059	2.093
I3S-613_I3S-610	I3S-613	I3S-610	6	193.25	186.45	0.62	0.066	0.007	1.131	0.566	0.004	0.217	0.286	0.007	1.572	0.786	0.004	0.217
I3S-614_I3S-615	I3S-614	I3S-615	6	211.76	205.29	0.77	-0.453	0.007	0.095	0.047	0.005	1.194	-0.453	0.007	0.095	0.047	0.005	1.194
I3S-615_I3S-616	I3S-615	I3S-616	6	205.29	204.4	0.43	-0.453	0.019	0.095	0.047	0.008	1.335	-0.453	0.019	0.095	0.048	0.008	1.336
I3S-616_I3S-601	I3S-616	I3S-601	6	204.4	190.74	1.05	-0.433	0.010	0.134	0.067	0.011	1.580	-0.433	0.010	0.134	0.067	0.011	1.581
I4S-101_I4S-102	I4S-101	I4S-102	6	180.58	180	0.31	-0.340	0.199	0.319	0.160	0.062	1.839	-0.340	0.200	0.321	0.160	0.062	1.837
I4S-102_I3S-312	I4S-102	I3S-312	6	180	178.02	0.35	-0.002	0.221	0.996	0.498	0.077	1.083	0.271	0.222	1.541	0.771	0.077	1.087
I4S-103_I4S-114	I4S-103	I4S-114	12	182.89	180	1.90	-0.497	0.505	0.503	0.503	0.956	3.751	-0.282	0.869	0.718	0.718	1.647	4.415
I4S-104_I4S-107	I4S-104	I4S-107	10	175.77	175.53	0.42	0.118	1.740	1.142	0.951	0.726	2.739	0.115	1.737	1.138	0.948	0.725	2.740
I4S-105_I4S-106	I4S-105	I4S-106	6	182.33	181.55	0.28	-0.464	0.010	0.071	0.036	0.003	0.748	-0.464	0.010	0.072	0.036	0.003	0.749
I4S-106_I4S-108	I4S-106	I4S-108	6	181.55	173.64	0.62	-0.421	0.010	0.158	0.079	0.006	0.739	-0.421	0.010	0.158	0.079	0.006	0.739
I4S-107_I4S-113	I4S-107	I4S-113	10	175.53	173.3	1.47	-0.407	0.519	0.512	0.426	0.764	4.220	-0.408	0.518	0.511	0.426	0.762	4.219
I4S-108_I4S-110	I4S-108	I4S-110	6	173.64	170.82	0.38	-0.051	0.055	0.899	0.449	0.021	0.827	0.110	0.055	1.219	0.610	0.021	0.827
I4S-109_I4S-108	I4S-109	I4S-108	6	174.51	173.64	0.33	-0.421	0.032	0.158	0.079	0.011	0.987	-0.421	0.032	0.158	0.079	0.011	0.986
I4S-110_H4S-410	I4S-110	H4S-410	12	170.82	167.55	2.55	-0.541	0.416	0.460	0.460	1.062	4.737	-0.375	0.689	0.625	0.625	1.758	5.347
I4S-111_I3S-313	I4S-111	I3S-313	12	177.86	177.67	1.18	-0.162	0.877	0.838	0.838	1.036	2.570	-0.083	1.464	0.918	0.918	1.730	3.941

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I4S-112_H4S-414	I4S-112	H4S-414	12	168.39	167.39	1.48	-0.478	0.538	0.522	0.522	0.796	3.104	-0.478	0.538	0.522	0.522	0.796	3.104
I4S-113_I4S-112	I4S-113	I4S-112	10	173.3	168.39	2.20	-0.311	0.350	0.627	0.522	0.769	4.138	-0.311	0.350	0.627	0.522	0.768	4.136
I4S-114_I4S-111	I4S-114	I4S-111	12	180	177.86	3.23	-0.354	0.296	0.646	0.646	0.957	3.630	-0.083	0.510	0.918	0.918	1.648	4.178
I4S-201_I4S-203	I4S-201	I4S-203	6	174.32	172.35	0.31	-0.426	0.019	0.147	0.074	0.006	0.666	-0.426	0.019	0.148	0.074	0.006	0.666
I4S-202_H4S-510	I4S-202	H4S-510	6	163.14	160.16	0.38	-0.439	0.021	0.122	0.061	0.008	1.014	-0.439	0.021	0.122	0.061	0.008	1.014
I4S-203_I4S-204	I4S-203	I4S-204	6	172.35	170.37	0.31	-0.410	0.047	0.180	0.090	0.015	1.079	-0.410	0.048	0.180	0.090	0.015	1.080
I4S-204_I4S-112	I4S-204	I4S-112	6	170.37	168.39	0.31	0.022	0.073	1.045	0.522	0.023	0.611	0.022	0.073	1.044	0.522	0.023	0.611
I4S-205_I4S-206	I4S-205	I4S-206	6	180.78	179.63	0.29	-0.434	0.017	0.133	0.066	0.005	0.623	-0.434	0.017	0.133	0.066	0.005	0.623
I4S-206_I4S-207	I4S-206	I4S-207	6	179.63	178.66	0.28	-0.434	0.038	0.133	0.066	0.011	1.084	-0.434	0.038	0.133	0.066	0.011	1.084
I4S-207_I4S-208	I4S-207	I4S-208	6	178.66	178.03	0.33	-0.383	0.036	0.235	0.118	0.012	0.744	-0.382	0.036	0.235	0.118	0.012	0.744
I4S-208_I4S-210	I4S-208	I4S-210	6	178.03	176.82	0.28	-0.375	0.122	0.249	0.125	0.035	1.458	-0.375	0.123	0.250	0.125	0.035	1.458
I4S-209_I4S-211	I4S-209	I4S-211	6	169.77	166.33	0.40	-0.340	0.147	0.320	0.160	0.059	1.926	-0.340	0.147	0.321	0.160	0.059	1.926
I4S-210_I4S-107	I4S-210	I4S-107	6	176.82	175.53	0.28	-0.074	0.141	0.853	0.426	0.040	0.713	-0.074	0.142	0.852	0.426	0.040	0.719
I4S-211_I4S-308	I4S-211	I4S-308	6	166.33	164.58	0.28	-0.091	0.224	0.817	0.409	0.063	0.933	-0.092	0.225	0.817	0.409	0.063	0.934
I4S-212_I4S-213	I4S-212	I4S-213	6	183.26	181.45	0.36	-0.428	0.014	0.145	0.072	0.005	0.612	-0.428	0.014	0.145	0.072	0.005	0.612
I4S-213_I4S-208	I4S-213	I4S-208	6	181.45	178.03	0.47	-0.383	0.045	0.235	0.118	0.021	1.274	-0.382	0.046	0.235	0.118	0.021	1.275
I4S-301_I4S-309	I4S-301	I4S-309	6	165.83	164.25	0.40	-0.085	0.012	0.829	0.415	0.005	0.167	-0.086	0.012	0.828	0.414	0.005	0.169
I4S-302_I4S-311	I4S-302	I4S-311	6	171.39	165.74	0.51	-0.376	0.045	0.249	0.124	0.023	1.283	-0.375	0.045	0.249	0.125	0.023	1.283
I4S-303_I4S-313	I4S-303	I4S-313	6	171.34	170.64	0.28	-0.385	0.098	0.230	0.115	0.028	1.342	-0.385	0.098	0.230	0.115	0.028	1.343
I4S-304_I4S-303	I4S-304	I4S-303	6	173.58	171.34	0.46	-0.394	0.054	0.212	0.106	0.025	1.533	-0.394	0.054	0.212	0.106	0.025	1.534
I4S-305_I4S-304	I4S-305	I4S-304	6	173.87	173.58	0.28	-0.403	0.084	0.195	0.097	0.024	1.378	-0.403	0.084	0.195	0.098	0.024	1.379
I4S-306_I4S-302	I4S-306	I4S-302	6	176.93	171.39	0.50	-0.428	0.033	0.144	0.072	0.017	1.648	-0.428	0.033	0.144	0.072	0.017	1.648
I4S-307_I4S-308	I4S-307	I4S-308	6	170.4	164.58	0.96	-0.091	0.222	0.817	0.409	0.213	2.859	-0.092	0.222	0.817	0.409	0.213	2.859
I4S-308_I4S-309	I4S-308	I4S-309	6	164.58	164.25	0.28	-0.085	0.989	0.829	0.415	0.279	2.505	-0.086	0.989	0.828	0.414	0.280	2.508
I4S-309_I4S-310	I4S-309	I4S-310	6	164.25	162.52	0.28	-0.085	1.004	0.829	0.415	0.284	2.739	-0.086	1.004	0.828	0.414	0.284	2.739
I4S-310_H4S-602	I4S-310	H4S-602	6	162.52	160.26	0.33	-0.132	0.874	0.737	0.369	0.292	2.939	-0.132	0.874	0.737	0.369	0.292	2.939
I4S-311_H4S-605	I4S-311	H4S-605	6	165.74	161.29	0.49	-0.355	0.137	0.291	0.145	0.067	2.420	-0.354	0.137	0.291	0.146	0.067	2.421
I4S-312_I4S-305	I4S-312	I4S-305	6	177.11	173.87	0.46	-0.403	0.034	0.195	0.097	0.016	1.183	-0.403	0.034	0.195	0.098	0.016	1.184
I4S-313_I4S-314	I4S-313	I4S-314	6	170.64	169.95	0.28	-0.385	0.117	0.230	0.115	0.033	1.515	-0.385	0.117	0.230	0.115	0.033	1.516
I4S-314_I4S-311	I4S-314	I4S-311	6	169.95	165.74	0.44	-0.376	0.082	0.249	0.124	0.036	1.733	-0.375	0.082	0.249	0.125	0.036	1.734
I4S-401_I4S-103	I4S-401	I4S-103	12	184.99	182.89	1.81	-0.484	0.528	0.516	0.516	0.955	3.646	-0.257	0.907	0.744	0.744	1.640	4.155
I4S-402_I4S-401	I4S-402	I4S-401	15	185.05	184.99	1.96	-0.704	0.486	0.437	0.546	0.953	2.978	-0.481	0.833	0.615	0.769	1.635	3.264
I4S-403_I4S-404	I4S-403	I4S-404	6	189.87	188.94	0.40	-0.306	0.308	0.388	0.194	0.123	2.749	-0.306	0.309	0.388	0.194	0.124	2.750
I4S-404_I4S-405	I4S-404	I4S-405	6	188.94	187	0.40	-0.187	0.309	0.626	0.313	0.124	1.920	-0.187	0.310	0.625	0.313	0.124	1.924
I4S-405_I4S-413	I4S-405	I4S-413	10	187	183.15	2.33	-0.390	0.295	0.532	0.443	0.685	4.416	-0.390	0.294	0.532	0.443	0.685	4.414
I4S-406_I4S-202	I4S-406	I4S-202	6	206.6	204.03	0.38	-0.442	0.011	0.116	0.058	0.004	0.671	-0.442	0.011	0.116	0.058	0.004	0.671
I4S-407_I4S-405	I4S-407	I4S-405	10	190.97	187	1.67	-0.501	0.335	0.399	0.332	0.558	4.264	-0.501	0.335	0.399	0.332	0.557	4.262
I4S-408_I4S-413	I4S-408	I4S-413	6	185.14	183.15	0.33	-0.057	0.109	0.887	0.443	0.036	0.686	-0.057	0.109	0.886	0.443	0.036	0.686
I4S-409_I4S-412	I4S-409	I4S-412	6	192.72	191.43	0.28	-0.277	0.350	0.446	0.223	0.099	1.912	-0.277	0.351	0.446	0.223	0.099	1.913
I4S-410_I4S-412	I4S-410	I4S-412	6	196.92	191.43	0.81	-0.277	0.015	0.446	0.223	0.012	0.490	-0.277	0.015	0.446	0.223	0.012	0.490
I4S-411_I4S-410	I4S-411	I4S-410	6	202.14	196.92	0.85	-0.457	0.011	0.086	0.043	0.009	1.984	-0.457	0.011	0.086	0.043	0.009	1.985
I4S-412_I4S-403	I4S-412	I4S-403	6	191.43	189.87	0.28	-0.277	0.412	0.446	0.223	0.116	2.201	-0.277	0.413	0.446	0.223	0.116	2.202
I4S-413_I4S-104	I4S-413	I4S-104	10	183.15	180.94	1.30	-0.390	0.555	0.532	0.443	0.724	3.806	-0.390	0.554	0.532	0.443	0.723	3.805
I4S-501_I4S-606	I4S-501	I4S-606	6	175.39	174.68	0.28	-0.430	0.027	0.139	0.070	0.008	0.819	-0.430	0.027	0.139	0.070	0.008	0.819
I4S-502_I4S-407	I4S-502	I4S-407	8	193.78	190.97	0.84	-0.271	0.660	0.593	0.396	0.555	3.987	-0.272	0.659	0.593	0.395	0.554	3.986
I4S-503_I4S-504	I4S-503	I4S-504	6	190.1	187.68	0.33	-0.404	0.034	0.192	0.096	0.011	0.869	-0.404	0.034	0.192	0.096	0.011	0.869
I4S-504_I4S-408	I4S-504	I4S-408	6	187.68	185.14	0.38	-0.389	0.081	0.221	0.111	0.031	1.621	-0.389	0.081	0.222	0.111	0.031	1.622
I4S-505_I4S-408	I4S-505	I4S-408	6	185.77	185.14	0.28	-0.389	0.018	0.221	0.111	0.005	0.400	-0.389	0.018	0.222	0.111	0.005	0.401
I4S-506_I4S-505	I4S-506	I4S-505	6	186.62	185.77	0.28	-0.452	0.009	0.096	0.048	0.003	0.516	-0.452	0.009	0.096	0.048	0.003	0.516
I4S-507_I4S-506	I4S-507	I4S-506	6	187.37	186.62	0.29	-0.467	0.003	0.067	0.034	0.001	0.318	-0.467	0.003	0.067	0.034	0.001	0.318
I4S-508_I4S-509	I4S-508	I4S-509	6	177.4	176.64	0.28	-0.455	0.006	0.089	0.045	0.002	0.407	-0.455	0.006	0.090	0.045	0.002	0.407

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I4S-509_I4S-510	I4S-509	I4S-510	6	176.64	176.07	0.25	-0.454	0.017	0.093	0.047	0.004	0.724	-0.454	0.017	0.093	0.047	0.004	0.724
I4S-510_I4S-501	I4S-510	I4S-501	6	176.07	175.39	0.28	-0.444	0.018	0.113	0.057	0.005	0.734	-0.443	0.018	0.113	0.057	0.005	0.735
I4S-511_I4S-512	I4S-511	I4S-512	6	186.07	185.04	0.44	-0.446	0.006	0.107	0.054	0.003	0.557	-0.446	0.006	0.108	0.054	0.003	0.558
I4S-512_I4S-213	I4S-512	I4S-213	6	185.04	181.45	0.47	-0.428	0.024	0.145	0.072	0.012	1.247	-0.428	0.025	0.145	0.072	0.012	1.248
I4S-513_I4S-512	I4S-513	I4S-512	6	186.98	185.04	0.38	-0.446	0.013	0.107	0.054	0.005	0.812	-0.446	0.013	0.108	0.054	0.005	0.812
I4S-601_I4S-607	I4S-601	I4S-607	6	173.93	173.83	0.22	-0.175	0.809	0.651	0.326	0.179	2.094	-0.174	0.810	0.652	0.326	0.179	2.095
I4S-602_I4S-604	I4S-602	I4S-604	6	180.65	178.64	0.40	-0.442	0.012	0.117	0.058	0.005	0.766	-0.442	0.012	0.117	0.059	0.005	0.766
I4S-603_I4S-312	I4S-603	I4S-312	6	179.62	177.11	0.40	-0.437	0.022	0.126	0.063	0.009	1.092	-0.437	0.022	0.127	0.063	0.009	1.092
I4S-604_I4S-306	I4S-604	I4S-306	6	178.64	176.93	0.33	-0.438	0.029	0.124	0.062	0.010	1.128	-0.438	0.029	0.124	0.062	0.010	1.128
I4S-605_I4S-607	I4S-605	I4S-607	6	175.59	173.83	0.28	-0.188	0.070	0.624	0.312	0.020	0.478	-0.188	0.070	0.625	0.312	0.020	0.479
I4S-606_I4S-601	I4S-606	I4S-601	6	174.68	173.93	0.28	-0.175	0.034	0.651	0.326	0.010	0.206	-0.174	0.034	0.652	0.326	0.010	0.206
I4S-607_I4S-608	I4S-607	I4S-608	6	173.83	172.1	0.28	-0.181	0.716	0.638	0.319	0.202	2.391	-0.181	0.716	0.638	0.319	0.202	2.391
I4S-608_I4S-307	I4S-608	I4S-307	6	172.1	170.4	0.28	-0.181	0.738	0.638	0.319	0.209	2.636	-0.181	0.738	0.638	0.319	0.209	2.636
I4S-609_I4S-605	I4S-609	I4S-605	6	177.69	175.59	0.31	-0.411	0.035	0.178	0.089	0.011	0.880	-0.411	0.035	0.178	0.089	0.011	0.880
I4S-610_I4S-611	I4S-610	I4S-611	6	181.71	179.9	0.28	-0.407	0.049	0.185	0.093	0.014	0.978	-0.407	0.049	0.186	0.093	0.014	0.979
I4S-611_I4S-612	I4S-611	I4S-612	6	179.9	178.65	0.28	-0.305	0.077	0.389	0.195	0.022	0.717	-0.305	0.077	0.390	0.195	0.022	0.717
I4S-612_I4S-601	I4S-612	I4S-601	6	178.65	173.93	0.52	-0.175	0.321	0.651	0.326	0.167	2.497	-0.174	0.322	0.652	0.326	0.168	2.497
I4S-613_I4S-612	I4S-613	I4S-612	6	179.56	178.65	0.31	-0.261	0.465	0.478	0.239	0.144	2.429	-0.261	0.466	0.479	0.239	0.144	2.430
I5P-102_I5S-107	I5P-102	I5S-107	6	162.13	161.38	0.28	-0.304	0.280	0.392	0.196	0.079	1.801	-0.304	0.281	0.392	0.196	0.079	1.802
I5P-401_I5S-111	I5P-401	I5S-111	6	192.01	190.01	0.39	-0.386	0.005	0.227	0.114	0.002	0.185	-0.386	0.005	0.227	0.114	0.002	0.185
I5S-101_I5P-102	I5S-101	I5P-102	6	162.42	162.13	0.28	-0.319	0.268	0.363	0.182	0.076	1.852	-0.318	0.268	0.364	0.182	0.076	1.853
I5S-102_I5S-104	I5S-102	I5S-104	6	171.2	168.17	0.40	-0.449	0.021	0.101	0.051	0.009	1.273	-0.449	0.021	0.101	0.051	0.009	1.274
I5S-103_I4S-305	I5S-103	I4S-305	6	175.97	173.87	0.31	-0.403	0.019	0.195	0.097	0.006	0.512	-0.403	0.019	0.195	0.098	0.006	0.512
I5S-104_I5S-109	I5S-104	I5S-109	6	168.17	159.77	0.61	-0.434	0.016	0.133	0.066	0.010	1.266	-0.434	0.016	0.133	0.066	0.010	1.267
I5S-105_I5S-106	I5S-105	I5S-106	6	161.6	161.12	0.28	-0.301	0.007	0.398	0.199	0.002	0.147	-0.301	0.007	0.398	0.199	0.002	0.148
I5S-106_H5S-406	I5S-106	H5S-406	6	161.12	160.25	0.28	-0.301	0.336	0.398	0.199	0.094	2.064	-0.301	0.336	0.398	0.199	0.095	2.065
I5S-107_I5S-106	I5S-107	I5S-106	6	161.38	161.12	0.28	-0.301	0.324	0.398	0.199	0.092	1.981	-0.301	0.325	0.398	0.199	0.092	1.981
I5S-108_H5S-408	I5S-108	H5S-408	6	158.19	156.64	0.31	-0.387	0.048	0.225	0.113	0.015	0.898	-0.387	0.048	0.226	0.113	0.015	0.898
I5S-109_I5S-108	I5S-109	I5S-108	6	159.77	158.19	0.33	-0.426	0.038	0.148	0.074	0.013	1.168	-0.426	0.038	0.148	0.074	0.013	1.169
I5S-110_I5S-111	I5S-110	I5S-111	6	167.24	163.81	0.56	-0.358	0.009	0.285	0.142	0.005	0.348	-0.357	0.009	0.285	0.143	0.005	0.350
I5S-111_I5S-112	I5S-111	I5S-112	6	163.81	163.11	0.28	-0.328	0.174	0.345	0.172	0.049	1.439	-0.327	0.174	0.345	0.173	0.049	1.439
I5S-112_I5S-101	I5S-112	I5S-101	6	163.11	162.42	0.29	-0.323	0.256	0.354	0.177	0.073	1.860	-0.323	0.256	0.355	0.177	0.073	1.861
I5S-113_I5S-114	I5S-113	I5S-114	6	167.13	166.2	0.28	-0.413	0.066	0.174	0.087	0.019	1.286	-0.413	0.066	0.174	0.087	0.019	1.287
I5S-114_I5S-112	I5S-114	I5S-112	6	166.2	163.11	0.58	-0.328	0.038	0.345	0.172	0.022	0.935	-0.327	0.038	0.345	0.173	0.022	0.936
I5S-115_I5S-113	I5S-115	I5S-113	6	171.17	167.13	0.50	-0.413	0.029	0.174	0.087	0.015	1.287	-0.413	0.029	0.174	0.087	0.015	1.287
I5S-116_I5S-115	I5S-116	I5S-115	6	172.22	171.17	0.28	-0.442	0.021	0.117	0.058	0.006	0.787	-0.442	0.021	0.117	0.058	0.006	0.787
I5S-201_I5S-111	I5S-201	I5S-111	6	166.21	163.81	0.28	-0.358	0.145	0.285	0.142	0.041	1.475	-0.357	0.146	0.285	0.143	0.041	1.476
I5S-202_I5S-203	I5S-202	I5S-203	6	169.67	167.64	0.40	-0.316	0.290	0.369	0.184	0.116	2.741	-0.316	0.290	0.369	0.184	0.116	2.741
I5S-203_I5S-301	I5S-203	I5S-301	6	167.64	164.67	0.46	-0.326	0.256	0.349	0.175	0.116	2.983	-0.325	0.256	0.349	0.175	0.117	2.984
I5S-204_I5S-209	I5S-204	I5S-209	6	171.01	167.58	0.42	-0.384	0.023	0.232	0.116	0.010	0.688	-0.384	0.023	0.232	0.116	0.010	0.688
I5S-205_I5S-206	I5S-205	I5S-206	6	171.01	168.53	0.49	-0.410	0.030	0.180	0.090	0.015	1.239	-0.410	0.030	0.180	0.090	0.015	1.239
I5S-206_I5S-209	I5S-206	I5S-209	6	168.53	167.58	0.28	-0.384	0.070	0.232	0.116	0.020	1.045	-0.384	0.070	0.232	0.116	0.020	1.045
I5S-207_I5S-208	I5S-207	I5S-208	6	174.89	172.67	0.36	-0.316	0.290	0.369	0.184	0.104	2.448	-0.316	0.291	0.369	0.185	0.104	2.449
I5S-208_I5S-202	I5S-208	I5S-202	6	172.67	169.67	0.40	-0.316	0.280	0.368	0.184	0.112	2.675	-0.316	0.281	0.368	0.184	0.112	2.676
I5S-209_I5S-201	I5S-209	I5S-201	6	167.58	166.21	0.28	-0.372	0.119	0.256	0.128	0.034	1.402	-0.372	0.120	0.256	0.128	0.034	1.403
I5S-210_I5S-107	I5S-210	I5S-107	6	162.66	161.38	0.28	-0.304	0.045	0.392	0.196	0.013	0.514	-0.304	0.045	0.392	0.196	0.013	0.514
I5S-211_I5S-210	I5S-211	I5S-210	6	163.88	162.66	0.28	-0.429	0.024	0.143	0.071	0.007	0.741	-0.429	0.024	0.143	0.072	0.007	0.741
I5S-301_I5S-309	I5S-301	I5S-309	6	164.67	163.18	0.46	-0.273	0.258	0.455	0.227	0.118	2.471	-0.273	0.258	0.455	0.227	0.118	2.471
I5S-302_I5S-306	I5S-302	I5S-306	8	162.57	161.51	0.51	-0.393	0.355	0.411	0.274	0.179	2.228	-0.393	0.355	0.411	0.274	0.179	2.229
I5S-303_I5S-302	I5S-303	I5S-302	6	168.6	162.57	0.59	-0.226	0.090	0.548	0.274	0.054	1.296	-0.226	0.091	0.548	0.274	0.054	1.295
I5S-304_I5S-305	I5S-304	I5S-305	6	170.92	169.16	0.62	-0.454	0.008	0.091	0.046	0.005	1.072	-0.454	0.008	0.091	0.046	0.005	1.073

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I5S-305_I5S-306	I5S-305	I5S-306	6	169.16	161.51	0.67	-0.264	0.017	0.473	0.236	0.012	0.431	-0.264	0.017	0.473	0.237	0.012	0.431
I5S-306_I6S-103	I5S-306	I6S-103	8	161.51	159.12	0.75	-0.413	0.262	1.620	1.080	0.197	1.029	0.416	0.262	1.624	1.083	0.197	1.031
I5S-307_I5S-303	I5S-307	I5S-303	6	170.6	168.6	0.40	-0.384	0.119	0.233	0.116	0.047	2.121	-0.383	0.119	0.233	0.117	0.048	2.122
I5S-308_I5S-307	I5S-308	I5S-307	6	172.27	170.6	0.40	-0.384	0.015	0.232	0.116	0.006	0.448	-0.384	0.015	0.233	0.116	0.006	0.448
I5S-309_I5S-302	I5S-309	I5S-302	8	163.18	162.57	0.50	-0.393	0.241	0.411	0.274	0.121	1.561	-0.393	0.241	0.411	0.274	0.121	1.561
I5S-401_I5S-410	I5S-401	I5S-410	6	200.47	198.61	0.44	-0.448	0.014	0.103	0.052	0.006	1.008	-0.448	0.014	0.103	0.052	0.006	1.009
I5S-402_I4S-603	I5S-402	I4S-603	6	182.57	179.62	0.51	-0.449	0.010	0.102	0.051	0.005	0.920	-0.449	0.010	0.102	0.051	0.005	0.920
I5S-403_I5S-102	I5S-403	I5S-102	6	174.99	171.2	0.48	-0.450	0.006	0.101	0.050	0.003	0.637	-0.450	0.006	0.101	0.050	0.003	0.637
I5S-404_I5S-115	I5S-404	I5S-115	6	173.89	171.17	0.40	-0.442	0.012	0.117	0.058	0.005	0.771	-0.442	0.012	0.117	0.058	0.005	0.771
I5S-405_I5S-506	I5S-405	I5S-506	6	179	175.6	0.48	-0.454	0.008	0.093	0.046	0.004	0.850	-0.454	0.008	0.093	0.046	0.004	0.851
I5S-406_I4S-610	I5S-406	I4S-610	6	184.2	181.71	0.34	-0.426	0.017	0.149	0.075	0.006	0.674	-0.425	0.017	0.149	0.075	0.006	0.674
I5S-407_I4S-609	I5S-407	I4S-609	6	180.49	177.69	0.35	-0.436	0.011	0.127	0.064	0.004	0.593	-0.436	0.011	0.127	0.064	0.004	0.593
I5S-408_I5S-513	I5S-408	I5S-513	6	194.03	190.22	0.40	-0.390	0.032	0.221	0.110	0.013	0.889	-0.390	0.032	0.221	0.110	0.013	0.889
I5S-409_I5S-404	I5S-409	I5S-404	6	176.01	173.89	0.48	-0.462	0.002	0.077	0.039	0.001	0.356	-0.461	0.002	0.077	0.039	0.001	0.356
I5S-410_I5S-408	I5S-410	I5S-408	6	198.61	194.03	0.44	-0.439	0.023	0.123	0.061	0.010	1.249	-0.439	0.023	0.123	0.061	0.010	1.250
I5S-411_I5S-407	I5S-411	I5S-407	6	183.15	180.49	0.52	-0.463	0.004	0.074	0.037	0.002	0.642	-0.463	0.004	0.074	0.037	0.002	0.643
I5S-501_I5S-512	I5S-501	I5S-512	6	201.66	195.54	0.54	-0.414	0.044	0.172	0.086	0.024	1.856	-0.414	0.044	0.172	0.086	0.024	1.857
I5S-502_I5S-514	I5S-502	I5S-514	6	196.61	190.39	0.54	-0.415	0.043	0.169	0.085	0.023	1.826	-0.415	0.043	0.170	0.085	0.023	1.827
I5S-503_I5S-515	I5S-503	I5S-515	6	189.27	186.7	0.34	-0.429	0.044	0.143	0.072	0.015	1.327	-0.428	0.044	0.143	0.072	0.015	1.328
I5S-504_I5S-503	I5S-504	I5S-503	6	193.33	189.27	0.59	-0.429	0.005	0.142	0.071	0.003	0.464	-0.429	0.005	0.142	0.071	0.003	0.464
I5S-505_I5S-204	I5S-505	I5S-204	6	173.12	171.01	0.40	-0.448	0.010	0.105	0.052	0.004	0.718	-0.448	0.010	0.105	0.053	0.004	0.718
I5S-506_I5S-205	I5S-506	I5S-205	6	175.6	171.01	0.49	-0.441	0.018	0.119	0.059	0.009	1.225	-0.441	0.018	0.119	0.059	0.009	1.226
I5S-507_I5S-207	I5S-507	I5S-207	6	179.76	174.89	0.51	-0.316	0.191	0.368	0.184	0.097	2.622	-0.316	0.191	0.368	0.184	0.097	2.623
I5S-508_I5S-507	I5S-508	I5S-507	6	181.15	179.76	0.40	-0.352	0.015	0.295	0.148	0.006	0.362	-0.352	0.015	0.296	0.148	0.006	0.362
I5S-509_I5S-507	I5S-509	I5S-507	6	182.71	179.76	0.47	-0.352	0.183	0.295	0.148	0.086	2.802	-0.352	0.183	0.296	0.148	0.087	2.803
I5S-510_I5S-509	I5S-510	I5S-509	6	185.37	182.71	0.40	-0.345	0.208	0.309	0.155	0.083	2.497	-0.345	0.208	0.310	0.155	0.083	2.498
I5S-511_I5S-602	I5S-511	I5S-602	6	178.54	176.75	0.28	-0.368	0.095	0.265	0.133	0.027	1.164	-0.367	0.095	0.265	0.133	0.027	1.164
I5S-512_I5S-513	I5S-512	I5S-513	6	195.54	190.22	0.49	-0.390	0.065	0.221	0.110	0.032	1.800	-0.390	0.065	0.221	0.110	0.032	1.801
I5S-513_I5S-510	I5S-513	I5S-510	6	190.22	185.37	0.46	-0.346	0.107	0.308	0.154	0.049	1.816	-0.346	0.108	0.309	0.154	0.049	1.817
I5S-514_I5S-510	I5S-514	I5S-510	6	190.39	185.37	0.49	-0.346	0.063	0.308	0.154	0.031	1.317	-0.346	0.063	0.309	0.154	0.031	1.318
I5S-515_I5S-511	I5S-515	I5S-511	6	186.7	178.54	0.66	-0.397	0.034	0.207	0.103	0.023	1.623	-0.397	0.034	0.207	0.104	0.023	1.624
I5S-601_I5S-503	I5S-601	I5S-503	6	191.46	189.27	0.34	-0.429	0.015	0.142	0.071	0.005	0.614	-0.429	0.015	0.142	0.071	0.005	0.614
I5S-602_I5S-603	I5S-602	I5S-603	6	176.75	176.11	0.28	-0.368	0.155	0.265	0.133	0.044	1.642	-0.367	0.155	0.265	0.133	0.044	1.643
I5S-603_I5S-607	I5S-603	I5S-607	6	176.11	174.97	0.33	-0.355	0.143	0.290	0.145	0.048	1.701	-0.355	0.143	0.291	0.145	0.048	1.702
I5S-604_I5S-602	I5S-604	I5S-602	6	182.77	176.75	0.68	-0.368	0.017	0.265	0.133	0.012	0.761	-0.367	0.017	0.265	0.133	0.012	0.760
I5S-605_I5S-604	I5S-605	I5S-604	6	187.97	182.77	0.63	-0.455	0.009	0.091	0.045	0.006	1.238	-0.455	0.009	0.091	0.045	0.006	1.238
I5S-606_I5S-607	I5S-606	I5S-607	6	180.6	174.97	0.47	-0.355	0.023	0.290	0.145	0.011	0.608	-0.355	0.023	0.291	0.145	0.011	0.608
I5S-607_I5S-608	I5S-607	I5S-608	6	174.97	173.67	0.33	-0.354	0.185	0.291	0.146	0.062	2.015	-0.354	0.185	0.292	0.146	0.062	2.016
I5S-608_I6S-401	I5S-608	I6S-401	6	173.67	169.39	0.40	-0.039	0.168	0.922	0.461	0.067	1.048	-0.038	0.168	0.923	0.462	0.067	1.050
I5S-609_I5S-610	I5S-609	I5S-610	6	166.73	166.17	0.28	-0.447	0.024	0.106	0.053	0.007	0.962	-0.447	0.024	0.106	0.053	0.007	0.963
I5S-610_I6S-402	I5S-610	I6S-402	6	166.17	161.65	0.69	-0.455	0.015	1.910	0.955	0.011	0.353	-0.457	0.016	1.915	0.957	0.011	0.354
I6S-101_I6S-102	I6S-101	I6S-102	24	158.87	158.83	3.72	-0.851	0.853	0.575	1.149	3.175	2.684	-0.848	0.856	0.576	1.152	3.188	2.687
I6S-102_I6S-402	I6S-102	I6S-402	24	158.83	158.43	5.10	-0.885	0.623	0.558	1.115	3.178	2.897	-0.882	0.626	0.559	1.118	3.190	2.899
I6S-103_I6S-101	I6S-103	I6S-101	24	159.12	158.87	6.56	-0.851	0.484	0.575	1.149	3.173	2.734	-0.848	0.486	0.576	1.152	3.185	2.737
I6S-104_I6S-103	I6S-104	I6S-103	18	160.68	159.12	4.10	-0.420	0.735	0.720	1.080	3.012	3.558	-0.418	0.738	0.722	1.083	3.024	3.562
I6S-401_I6S-402	I6S-401	I6S-402	18	169.39	161.65	15.11	-0.545	0.199	0.637	0.955	2.998	5.665	-0.543	0.199	0.638	0.957	3.009	5.668
I6S-402_I6S-104	I6S-402	I6S-104	18	161.65	160.68	4.09	-0.543	0.735	0.638	0.957	3.008	3.921	-0.540	0.737	0.640	0.960	3.019	3.924
I6S-403_I6S-405	I6S-403	I6S-405	15	175.39	174.5	2.06	-0.044	1.119	0.965	1.206	2.309	3.447	-0.035	1.124	0.972	1.215	2.318	3.448
I6S-404_I6S-401	I6S-404	I6S-401	15	173.21	169.39	4.48	-0.512	0.656	0.591	0.739	2.937	6.033	-0.510	0.659	0.592	0.740	2.947	6.037
I6S-405_I6S-404	I6S-405	I6S-404	15	174.5	173.21	2.48	-0.302	0.933	0.758	0.948	2.314	4.260	-0.299	0.937	0.761	0.951	2.323	4.266
I6S-501_I6S-403	I6S-501	I6S-403	15	175.71	175.39	1.83	0.139	1.255	1.111	1.389	2.293	2.909	0.153	1.260	1.122	1.403	2.302	2.904

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
I6S-502_I6S-501	I6S-502	I6S-501	15	176.6	175.71	2.30	0.139	0.997	1.111	1.389	2.291	2.906	0.153	1.001	1.122	1.403	2.300	2.895
I6S-503_I6S-502	I6S-503	I6S-502	6	177.6	176.6	0.40	0.882	0.015	2.763	1.382	0.006	0.141	0.902	0.015	2.804	1.402	0.006	0.141
J2S-201_J2S-304	J2S-201	J2S-304	6	278.42	273.09	0.65	-0.495	0.000	0.010	0.005	0.000	0.364	-0.495	0.000	0.010	0.005	0.000	0.364
J2S-301_J3S-109	J2S-301	J3S-109	8	261	252	1.29	-0.660	0.000	0.010	0.007	0.000	0.338	-0.660	0.000	0.010	0.007	0.000	0.338
J2S-302_J2S-303	J2S-302	J2S-303	6	264.77	263.5	0.65	-0.494	0.000	0.013	0.006	0.000	0.148	-0.494	0.000	0.013	0.006	0.000	0.148
J2S-303_J2S-301	J2S-303	J2S-301	8	263.5	261	1.29	-0.660	0.000	0.010	0.006	0.000	0.307	-0.660	0.000	0.010	0.006	0.000	0.307
J2S-304_J2S-303	J2S-304	J2S-303	8	273.09	263.5	0.65	-0.660	0.000	0.010	0.006	0.000	0.265	-0.660	0.000	0.010	0.006	0.000	0.265
J3P-402_J3S-403	J3P-402	J3S-403	8	273.45	271	1.35	-0.392	0.355	0.412	0.275	0.479	5.488	-0.203	0.830	0.696	0.464	1.120	6.701
J3S-102_J3S-205	J3S-102	J3S-205	8	233.1	227.37	1.29	-0.659	0.000	0.011	0.008	0.000	0.388	-0.659	0.000	0.011	0.008	0.000	0.388
J3S-103_J3S-102	J3S-103	J3S-102	8	237.24	233.1	1.29	-0.660	0.000	0.010	0.007	0.000	0.384	-0.660	0.000	0.010	0.007	0.000	0.384
J3S-104_J3S-105	J3S-104	J3S-105	8	250	242.8	1.29	-0.661	0.000	0.009	0.006	0.000	0.364	-0.661	0.000	0.009	0.006	0.000	0.364
J3S-105_J3S-103	J3S-105	J3S-103	8	238.15	237.24	0.65	-0.659	0.000	0.012	0.008	0.000	0.316	-0.659	0.000	0.012	0.008	0.000	0.316
J3S-106_J3S-105	J3S-106	J3S-105	6	239.02	238.15	0.65	-0.492	0.000	0.016	0.008	0.000	0.137	-0.492	0.000	0.016	0.008	0.000	0.137
J3S-109_J3S-104	J3S-109	J3S-104	8	252	250	1.29	-0.660	0.000	0.010	0.007	0.000	0.302	-0.660	0.000	0.010	0.007	0.000	0.302
J3S-201_J3S-202	J3S-201	J3S-202	8	203.04	200.67	0.67	-0.301	0.204	0.549	0.366	0.138	1.457	-0.160	0.204	0.760	0.507	0.138	1.081
J3S-202_J3S-301	J3S-202	J3S-301	12	200.67	195.92	2.92	-0.634	0.287	0.367	0.367	0.836	4.973	-0.492	0.513	0.508	0.508	1.496	5.797
J3S-205_J3S-508	J3S-205	J3S-508	8	227.37	225.39	0.65	-0.659	0.000	0.011	0.008	0.000	0.327	-0.659	0.000	0.011	0.008	0.000	0.327
J3S-206_J3S-207	J3S-206	J3S-207	12	205.95	205.05	3.19	-0.654	0.217	0.346	0.346	0.693	4.707	-0.500	0.423	0.500	0.500	1.348	5.612
J3S-207_J3S-202	J3S-207	J3S-202	12	205.05	200.67	2.69	-0.634	0.258	0.366	0.366	0.695	4.287	-0.493	0.503	0.507	0.507	1.353	5.287
J3S-208_J3S-206	J3S-208	J3S-206	8	216.5	205.95	1.73	-0.348	0.293	0.478	0.319	0.507	5.562	-0.208	0.671	0.689	0.459	1.161	7.564
J3S-301_I3S-606	J3S-301	I3S-606	12	195.92	187.5	3.87	-0.416	0.218	0.584	0.584	0.843	3.778	-0.181	0.388	0.819	0.819	1.505	4.463
J3S-302_I3S-605	J3S-302	I3S-605	6	196.95	192.54	0.47	-0.451	0.020	0.098	0.049	0.010	1.484	-0.451	0.020	0.099	0.049	0.010	1.485
J3S-303_J3S-302	J3S-303	J3S-302	6	197.78	196.95	0.38	-0.451	0.018	0.098	0.049	0.007	1.095	-0.451	0.018	0.098	0.049	0.007	1.096
J3S-304_J4S-108	J3S-304	J4S-108	6	196.31	194.41	0.28	-0.305	0.267	0.390	0.195	0.076	1.759	-0.305	0.268	0.390	0.195	0.076	1.760
J3S-305_J3S-304	J3S-305	J3S-304	6	201.32	196.31	0.56	-0.325	0.118	0.351	0.176	0.067	2.166	-0.324	0.118	0.352	0.176	0.067	2.167
J3S-306_J3S-307	J3S-306	J3S-307	6	205.61	204.93	0.28	-0.397	0.078	0.206	0.103	0.022	1.247	-0.397	0.078	0.206	0.103	0.022	1.247
J3S-307_J3S-305	J3S-307	J3S-305	6	204.93	201.32	0.66	-0.384	0.093	0.231	0.116	0.061	2.973	-0.384	0.093	0.232	0.116	0.061	2.974
J3S-308_J3S-305	J3S-308	J3S-305	6	203.44	201.32	0.38	-0.384	0.011	0.231	0.116	0.004	0.333	-0.384	0.011	0.232	0.116	0.004	0.334
J3S-401_J3P-402	J3S-401	J3P-402	8	278.5	273.45	1.23	-0.379	0.388	0.432	0.288	0.478	5.135	-0.169	0.906	0.746	0.498	1.117	6.204
J3S-402_J3S-408	J3S-402	J3S-408	6	257.49	249.09	0.65	-0.233	0.000	0.534	0.267	0.000	0.199	-0.050	0.000	0.899	0.450	0.000	0.199
J3S-403_J3S-406	J3S-403	J3S-406	8	262.8	261	1.36	-0.378	0.353	0.433	0.289	0.480	5.324	-0.167	0.824	0.749	0.499	1.122	6.446
J3S-404_J3S-405	J3S-404	J3S-405	6	267.98	263.89	0.65	-0.491	0.000	0.019	0.009	0.000	0.295	-0.489	0.000	0.022	0.011	0.000	0.295
J3S-405_J3S-403	J3S-405	J3S-403	6	263.89	262.8	0.27	-0.227	0.001	0.547	0.274	0.000	0.306	-0.037	0.002	0.927	0.464	0.000	0.306
J3S-406_J3S-407	J3S-406	J3S-407	8	261	253.5	1.23	-0.377	0.391	0.434	0.290	0.482	5.146	-0.165	0.914	0.752	0.502	1.127	6.210
J3S-407_J3S-408	J3S-407	J3S-408	8	253.5	249.09	1.38	-0.394	0.350	0.409	0.272	0.483	5.593	-0.208	0.819	0.689	0.459	1.130	6.841
J3S-408_J3S-409	J3S-408	J3S-409	8	249.09	247.5	1.44	-0.378	0.337	0.433	0.289	0.485	5.452	-0.170	0.787	0.746	0.497	1.132	6.621
J3S-409_J3S-506	J3S-409	J3S-506	8	247.5	242	1.25	-0.377	0.391	0.434	0.290	0.491	5.238	-0.168	0.909	0.749	0.499	1.141	6.317
J3S-410_J3P-402	J3S-410	J3P-402	6	274.01	273.45	0.29	-0.226	0.000	0.548	0.274	0.000	0.097	-0.037	0.001	0.926	0.463	0.000	0.097
J3S-501_J3S-504	J3S-501	J3S-504	6	224.58	222.67	0.33	-0.251	0.030	0.498	0.249	0.010	0.287	-0.097	0.030	0.806	0.403	0.010	0.215
J3S-502_J3S-501	J3S-502	J3S-501	6	249.97	224.58	1.54	-0.442	0.004	0.117	0.058	0.007	1.368	-0.442	0.004	0.116	0.058	0.007	1.375
J3S-503_J3S-502	J3S-503	J3S-502	6	266.19	249.97	0.90	-0.476	0.005	0.048	0.024	0.004	1.804	-0.476	0.005	0.048	0.024	0.004	1.805
J3S-504_J3S-208	J3S-504	J3S-208	8	222.67	216.5	1.70	-0.418	0.298	0.374	0.249	0.505	6.588	-0.263	0.682	0.606	0.404	1.158	8.124
J3S-505_J3S-507	J3S-505	J3S-507	8	209.42	207.96	0.63	-0.420	0.292	0.370	0.247	0.183	2.413	-0.420	0.292	0.370	0.247	0.183	2.414
J3S-506_J3S-504	J3S-506	J3S-504	8	242	222.67	2.17	-0.418	0.227	0.373	0.249	0.493	7.064	-0.264	0.527	0.605	0.403	1.145	8.817
J3S-507_J3S-206	J3S-507	J3S-206	8	207.96	205.95	0.67	-0.348	0.279	0.478	0.319	0.186	2.046	-0.208	0.279	0.689	0.459	0.186	1.509
J3S-508_J3S-504	J3S-508	J3S-504	8	225.39	222.67	1.29	-0.418	0.000	0.373	0.249	0.000	0.430	-0.264	0.000	0.605	0.403	0.000	0.430
J3S-509_J3S-604	J3S-509	J3S-604	6	239.46	225.75	1.13	-0.372	0.018	0.256	0.128	0.020	1.464	-0.372	0.018	0.256	0.128	0.020	1.464
J3S-510_J3S-511	J3S-510	J3S-511	6	280.14	263.37	1.20	-0.462	0.003	0.076	0.038	0.004	1.330	-0.462	0.003	0.076	0.038	0.004	1.331
J3S-511_J3S-509	J3S-511	J3S-509	6	263.37	239.46	1.16	-0.454	0.012	0.093	0.047	0.014	2.637	-0.454	0.012	0.093	0.047	0.014	2.638
J3S-512_J3S-511	J3S-512	J3S-511	6	272.35	263.37	1.00	-0.462	0.005	0.076	0.038	0.005	1.572	-0.462	0.005	0.076	0.038	0.005	1.573
J3S-513_J3S-512	J3S-513	J3S-512	6	289.82	272.35	1.23	-0.474	0.002	0.053	0.026	0.003	1.390	-0.474	0.002	0.053	0.026	0.003	1.390



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J3S-602_J3S-306	J3S-602	J3S-306	6	220.46	205.61	0.86	-0.405	0.021	0.189	0.095	0.018	1.581	-0.405	0.021	0.189	0.095	0.018	1.581
J3S-603_J3S-602	J3S-603	J3S-602	6	233.99	220.46	1.15	-0.450	0.011	0.099	0.050	0.012	2.313	-0.450	0.011	0.100	0.050	0.012	2.314
J3S-604_J3S-605	J3S-604	J3S-605	8	225.75	211.39	2.22	-0.422	0.080	0.367	0.245	0.178	3.450	-0.422	0.080	0.368	0.245	0.178	3.451
J3S-605_J3S-505	J3S-605	J3S-505	8	211.39	209.42	0.62	-0.420	0.289	0.370	0.247	0.180	2.385	-0.420	0.289	0.370	0.247	0.180	2.385
J3S-606_J3S-605	J3S-606	J3S-605	6	213.02	211.39	0.29	-0.255	0.005	0.490	0.245	0.001	0.100	-0.255	0.005	0.490	0.245	0.001	0.100
J3S-607_J3S-602	J3S-607	J3S-602	6	223.64	220.46	0.46	-0.450	0.009	0.099	0.050	0.004	0.809	-0.450	0.009	0.100	0.050	0.004	0.809
J4P-101_J4P-102	J4P-101	J4P-102	6	199.78	197.98	0.54	-0.457	0.013	0.087	0.044	0.007	1.354	-0.456	0.013	0.087	0.044	0.007	1.354
J4P-102_J4S-108	J4P-102	J4S-108	6	197.98	194.41	0.54	-0.305	0.015	0.390	0.195	0.008	0.357	-0.305	0.015	0.390	0.195	0.008	0.357
J4P-103_J4S-106	J4P-103	J4S-106	6	222.35	220.99	0.40	-0.431	0.034	0.139	0.070	0.014	1.366	-0.430	0.034	0.139	0.070	0.014	1.366
J4P-104_J4P-103	J4P-104	J4P-103	6	223.35	222.35	0.40	-0.437	0.020	0.126	0.063	0.008	1.038	-0.437	0.020	0.126	0.063	0.008	1.039
J4S-100_J4S-413	J4S-100	J4S-413	6	264.34	262.11	0.40	-0.452	0.017	0.095	0.048	0.007	1.161	-0.452	0.017	0.096	0.048	0.007	1.161
J4S-101_J4S-106	J4S-101	J4S-106	6	222.86	220.9	0.53	-0.431	0.031	0.139	0.070	0.016	1.704	-0.430	0.031	0.139	0.070	0.016	1.705
J4S-102_J4P-101	J4S-102	J4P-101	6	203.31	199.78	0.97	-0.461	0.006	0.079	0.039	0.005	1.504	-0.461	0.006	0.079	0.039	0.005	1.505
J4S-103_J4S-111	J4S-103	J4S-111	6	235.68	219.79	1.19	-0.452	0.010	0.097	0.048	0.012	2.377	-0.452	0.010	0.097	0.049	0.012	2.378
J4S-104_J4S-103	J4S-104	J4S-103	6	242.83	235.68	0.73	-0.465	0.009	0.071	0.036	0.007	1.752	-0.464	0.009	0.071	0.036	0.007	1.753
J4S-105_J4P-104	J4S-105	J4P-104	6	225.36	223.35	0.54	-0.451	0.010	0.099	0.050	0.005	1.039	-0.451	0.010	0.099	0.050	0.005	1.040
J4S-106_J4S-107	J4S-106	J4S-107	6	220.9	215.41	0.79	-0.427	0.042	0.146	0.073	0.033	2.965	-0.427	0.042	0.147	0.073	0.033	2.967
J4S-107_J3S-307	J4S-107	J3S-307	6	215.41	204.93	0.77	-0.397	0.047	0.206	0.103	0.036	2.380	-0.397	0.047	0.206	0.103	0.036	2.381
J4S-108_I4S-409	J4S-108	I4S-409	6	194.41	192.72	0.28	-0.297	0.324	0.407	0.203	0.091	1.939	-0.296	0.325	0.407	0.204	0.092	1.940
J4S-109_I4S-411	J4S-109	I4S-411	6	214.4	202.14	0.85	-0.463	0.006	0.074	0.037	0.005	1.516	-0.463	0.006	0.074	0.037	0.005	1.516
J4S-110_J4S-111	J4S-110	J4S-111	6	224.32	219.79	0.64	-0.452	0.006	0.097	0.048	0.004	0.901	-0.452	0.006	0.097	0.049	0.004	0.902
J4S-111_J4S-212	J4S-111	J4S-212	6	219.79	209.76	0.90	-0.442	0.020	0.116	0.058	0.018	2.440	-0.442	0.020	0.116	0.058	0.018	2.441
J4S-201_J4S-203	J4S-201	J4S-203	6	197.85	196.5	0.50	-0.096	0.369	0.808	0.404	0.186	2.249	-0.097	0.370	0.807	0.404	0.187	2.253
J4S-202_J4S-209	J4S-202	J4S-209	6	204.03	201.27	0.38	-0.292	0.029	0.416	0.208	0.011	0.414	-0.292	0.029	0.417	0.209	0.011	0.413
J4S-203_I4S-502	J4S-203	I4S-502	8	196.5	193.78	0.82	-0.263	0.682	0.606	0.404	0.556	3.895	-0.263	0.681	0.605	0.404	0.555	3.894
J4S-204_I4S-503	J4S-204	I4S-503	6	192.56	190.1	0.34	-0.437	0.033	0.125	0.063	0.011	1.217	-0.437	0.033	0.125	0.063	0.011	1.218
J4S-205_J4S-203	J4S-205	J4S-203	8	200.41	196.5	0.93	-0.263	0.396	0.606	0.404	0.370	3.086	-0.263	0.395	0.605	0.404	0.369	3.083
J4S-206_J4S-204	J4S-206	J4S-204	6	195.02	192.56	0.33	-0.438	0.030	0.124	0.062	0.010	1.140	-0.438	0.030	0.124	0.062	0.010	1.140
J4S-207_J4S-210	J4S-207	J4S-210	6	218.01	202.98	0.83	-0.249	0.071	0.502	0.251	0.059	1.531	-0.249	0.071	0.503	0.251	0.059	1.531
J4S-208_J4S-207	J4S-208	J4S-207	6	225.83	218.01	0.79	-0.410	0.063	0.180	0.090	0.050	3.361	-0.410	0.063	0.180	0.090	0.050	3.362
J4S-209_J4S-201	J4S-209	J4S-201	6	201.27	197.85	0.51	-0.281	0.364	0.438	0.219	0.184	3.558	-0.281	0.364	0.438	0.219	0.184	3.559
J4S-210_J4S-211	J4S-210	J4S-211	6	202.98	202.71	0.28	-0.249	0.516	0.502	0.251	0.147	2.385	-0.249	0.517	0.503	0.251	0.147	2.386
J4S-211_J4S-209	J4S-211	J4S-209	6	202.71	201.27	0.42	-0.278	0.407	0.444	0.222	0.170	3.141	-0.278	0.407	0.444	0.222	0.171	3.142
J4S-212_J4S-211	J4S-212	J4S-211	6	209.76	202.71	0.77	-0.278	0.028	0.443	0.222	0.022	0.784	-0.278	0.028	0.444	0.222	0.022	0.784
J4S-213_J4S-205	J4S-213	J4S-205	8	201.99	200.41	0.58	-0.280	0.636	0.580	0.386	0.369	2.907	-0.281	0.635	0.579	0.386	0.369	2.905
J4S-214_J4S-210	J4S-214	J4S-210	6	204.39	202.98	0.28	-0.249	0.304	0.502	0.251	0.086	1.578	-0.249	0.304	0.503	0.251	0.086	1.579
J4S-215_J4S-214	J4S-215	J4S-214	6	205.79	204.39	0.28	-0.312	0.278	0.376	0.188	0.079	1.854	-0.312	0.278	0.377	0.188	0.079	1.854
J4S-216_J4S-311	J4S-216	J4S-311	6	183.31	180.82	0.34	-0.264	0.015	0.473	0.236	0.005	0.207	-0.264	0.015	0.473	0.237	0.005	0.207
J4S-301_J4S-302	J4S-301	J4S-302	6	201.42	199.89	0.46	-0.394	0.071	0.212	0.106	0.033	1.871	-0.394	0.071	0.212	0.106	0.033	1.872
J4S-302_J4S-303	J4S-302	J4S-303	6	199.89	199.62	0.36	-0.394	0.099	0.212	0.106	0.036	1.827	-0.394	0.099	0.213	0.106	0.036	1.828
J4S-303_J4S-308	J4S-303	J4S-308	6	199.62	194.98	0.61	-0.402	0.066	0.196	0.098	0.040	2.471	-0.402	0.066	0.197	0.098	0.040	2.472
J4S-304_J4S-309	J4S-304	J4S-309	6	190.48	187.91	0.40	-0.330	0.023	0.340	0.170	0.009	0.450	-0.330	0.023	0.341	0.170	0.009	0.450
J4S-305_J4S-306	J4S-305	J4S-306	6	187.24	186.08	0.28	-0.304	0.279	0.392	0.196	0.079	1.798	-0.304	0.279	0.392	0.196	0.079	1.799
J4S-306_J4S-310	J4S-306	J4S-310	6	186.08	183.59	0.38	-0.299	0.326	0.403	0.201	0.123	2.629	-0.299	0.326	0.403	0.202	0.124	2.630
J4S-307_J4S-301	J4S-307	J4S-301	6	201.96	201.42	0.28	-0.385	0.116	0.230	0.115	0.033	1.510	-0.385	0.117	0.230	0.115	0.033	1.510
J4S-308_J4S-309	J4S-308	J4S-309	6	194.98	187.91	0.67	-0.330	0.085	0.340	0.170	0.057	2.066	-0.330	0.085	0.341	0.170	0.057	2.067
J4S-309_J4S-305	J4S-309	J4S-305	6	187.91	187.24	0.28	-0.320	0.249	0.360	0.180	0.070	1.777	-0.320	0.249	0.360	0.180	0.070	1.778
J4S-310_J4S-311	J4S-310	J4S-311	6	183.59	180.82	0.38	-0.264	0.342	0.473	0.236	0.130	2.423	-0.264	0.343	0.473	0.237	0.130	2.424
J4S-311_I4S-613	J4S-311	I4S-613	6	180.82	179.56	0.31	-0.261	0.456	0.478	0.239	0.141	2.372	-0.261	0.456	0.479	0.239	0.141	2.373
J4S-312_J4S-213	J4S-312	J4S-213	8	203.57	201.99	0.64	-0.280	0.574	0.580	0.386	0.366	2.793	-0.281	0.573	0.579	0.386	0.365	2.792
J4S-313_J4S-206	J4S-313	J4S-206	6	197.47	195.02	0.33	-0.441	0.026	0.118	0.059	0.009	1.093	-0.441	0.027	0.118	0.059	0.009	1.093

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J4S-315_J4S-313	J4S-315	J4S-313	6	202.84	197.47	0.51	-0.445	0.004	0.111	0.056	0.002	0.408	-0.444	0.004	0.111	0.056	0.002	0.408
J4S-316_J4S-312	J4S-316	J4S-312	8	205.15	203.57	0.60	-0.292	0.607	0.563	0.375	0.363	2.845	-0.292	0.607	0.562	0.375	0.362	2.844
J4S-401_J4S-404	J4S-401	J4S-404	6	255.75	255.07	0.27	-0.458	0.015	0.085	0.042	0.004	0.825	-0.458	0.015	0.085	0.042	0.004	0.825
J4S-402_J4S-404	J4S-402	J4S-404	6	260	255.07	1.13	-0.464	0.002	0.073	0.037	0.003	0.993	-0.464	0.002	0.073	0.037	0.003	0.994
J4S-403_J4S-208	J4S-403	J4S-208	6	237.73	225.83	1.06	-0.415	0.034	0.170	0.085	0.036	3.084	-0.415	0.034	0.170	0.085	0.036	3.086
J4S-404_J4S-405	J4S-404	J4S-405	6	255.07	249.63	0.76	-0.462	0.011	0.077	0.038	0.008	1.898	-0.462	0.011	0.077	0.038	0.008	1.899
J4S-405_J4S-101	J4S-405	J4S-101	6	249.63	222.86	1.13	-0.440	0.012	0.120	0.060	0.014	2.112	-0.440	0.012	0.120	0.060	0.014	2.113
J4S-406_J3S-603	J4S-406	J3S-603	6	249.25	233.99	0.97	-0.463	0.011	0.074	0.037	0.011	2.544	-0.463	0.011	0.074	0.037	0.011	2.546
J4S-407_J4S-406	J4S-407	J4S-406	6	264.98	249.25	1.13	-0.463	0.005	0.074	0.037	0.005	1.661	-0.463	0.005	0.074	0.037	0.005	1.662
J4S-408_J4S-403	J4S-408	J4S-403	6	250.08	237.73	0.82	-0.432	0.039	0.136	0.068	0.032	3.144	-0.432	0.040	0.136	0.068	0.032	3.145
J4S-409_J4S-408	J4S-409	J4S-408	6	250.59	250.08	0.28	-0.392	0.102	0.216	0.108	0.029	1.458	-0.392	0.103	0.216	0.108	0.029	1.458
J4S-410_J4S-409	J4S-410	J4S-409	6	256.59	250.59	1.05	-0.392	0.012	0.216	0.108	0.013	1.090	-0.392	0.012	0.216	0.108	0.013	1.091
J4S-411_J4S-410	J4S-411	J4S-410	6	260.33	256.59	0.52	-0.450	0.021	0.101	0.051	0.011	1.662	-0.450	0.021	0.101	0.051	0.011	1.663
J4S-413_J4S-411	J4S-413	J4S-411	6	262.11	260.33	0.44	-0.450	0.019	0.101	0.050	0.008	1.298	-0.450	0.019	0.101	0.050	0.008	1.299
J4S-414_J4S-407	J4S-414	J4S-407	6	282.75	264.98	1.13	-0.475	0.002	0.050	0.025	0.003	1.434	-0.475	0.002	0.050	0.025	0.003	1.434
J4S-501_J4S-502	J4S-501	J4S-502	6	260.24	258.59	0.54	-0.447	0.024	0.106	0.053	0.013	1.771	-0.447	0.024	0.106	0.053	0.013	1.772
J4S-502_J4S-409	J4S-502	J4S-409	6	258.59	250.59	0.74	-0.392	0.021	0.216	0.108	0.015	1.184	-0.392	0.021	0.216	0.108	0.015	1.185
J4S-503_J4S-518	J4S-503	J4S-518	6	242.71	239.89	0.40	-0.446	0.025	0.108	0.054	0.010	1.330	-0.446	0.025	0.108	0.054	0.010	1.331
J4S-504_J4S-609	J4S-504	J4S-609	6	262.93	260.02	0.64	-0.451	0.020	0.099	0.049	0.013	1.997	-0.451	0.020	0.099	0.049	0.013	1.998
J4S-505_J4S-501	J4S-505	J4S-501	6	263.94	260.24	0.55	-0.447	0.019	0.106	0.053	0.011	1.595	-0.447	0.020	0.106	0.053	0.011	1.596
J4S-506_J4S-503	J4S-506	J4S-503	6	243.56	242.71	0.40	-0.446	0.015	0.107	0.054	0.006	0.940	-0.446	0.015	0.108	0.054	0.006	0.940
J4S-507_J4S-208	J4S-507	J4S-208	6	228.02	225.83	0.40	-0.415	0.022	0.170	0.085	0.009	0.841	-0.415	0.022	0.170	0.085	0.009	0.841
J4S-508_J4S-507	J4S-508	J4S-507	6	238.65	228.02	1.21	-0.449	0.003	0.102	0.051	0.004	0.952	-0.449	0.003	0.102	0.051	0.004	0.953
J4S-509_J4S-608	J4S-509	J4S-608	6	229.4	213.8	0.92	-0.459	0.004	0.082	0.041	0.004	1.121	-0.459	0.004	0.082	0.041	0.004	1.121
J4S-510_J4S-612	J4S-510	J4S-612	6	220.28	209.05	0.84	-0.353	0.030	0.293	0.147	0.025	1.338	-0.353	0.030	0.294	0.147	0.025	1.339
J4S-511_J4S-510	J4S-511	J4S-510	6	221.8	220.28	0.31	-0.409	0.072	0.182	0.091	0.022	1.417	-0.409	0.072	0.182	0.091	0.022	1.417
J4S-512_J4S-513	J4S-512	J4S-513	6	227.17	223.15	0.69	-0.422	0.001	0.156	0.078	0.001	0.251	-0.422	0.001	0.156	0.078	0.001	0.251
J4S-513_J4S-511	J4S-513	J4S-511	6	223.15	221.8	0.40	-0.410	0.053	0.181	0.091	0.021	1.493	-0.409	0.053	0.181	0.091	0.021	1.494
J4S-514_J4S-513	J4S-514	J4S-513	6	231.4	223.15	0.74	-0.422	0.027	0.156	0.078	0.020	1.955	-0.422	0.027	0.156	0.078	0.020	1.956
J4S-515_J4S-514	J4S-515	J4S-514	6	231.83	231.4	0.31	-0.421	0.054	0.158	0.079	0.017	1.318	-0.421	0.054	0.158	0.079	0.017	1.319
J4S-517_J4S-515	J4S-517	J4S-515	6	239.12	231.83	0.74	-0.421	0.016	0.157	0.079	0.012	1.338	-0.421	0.016	0.157	0.079	0.012	1.339
J4S-518_J4S-517	J4S-518	J4S-517	6	239.89	239.12	0.61	-0.454	0.018	0.092	0.046	0.011	1.846	-0.454	0.018	0.093	0.046	0.011	1.848
J4S-519_J4S-215	J4S-519	J4S-215	6	207.51	205.79	0.28	-0.321	0.249	0.359	0.180	0.070	1.783	-0.320	0.249	0.359	0.180	0.070	1.783
J4S-601_J4S-603	J4S-601	J4S-603	6	206.99	206.72	0.31	-0.444	0.003	0.112	0.056	0.001	0.177	-0.444	0.003	0.112	0.056	0.001	0.177
J4S-602_J4S-613	J4S-602	J4S-613	8	217.87	213.96	0.89	-0.375	0.397	0.438	0.292	0.352	3.711	-0.375	0.396	0.438	0.292	0.351	3.710
J4S-603_J4S-307	J4S-603	J4S-307	6	206.72	201.96	0.56	-0.385	0.026	0.230	0.115	0.015	1.036	-0.385	0.026	0.230	0.115	0.015	1.036
J4S-604_J5S-402	J4S-604	J5S-402	6	221.11	220.8	0.15	-0.151	0.565	0.698	0.349	0.086	0.991	-0.151	0.566	0.698	0.349	0.086	0.990
J4S-605_J4S-610	J4S-605	J4S-610	6	221.82	211.65	0.54	-0.409	0.009	0.183	0.092	0.005	0.532	-0.408	0.009	0.183	0.092	0.005	0.532
J4S-606_J4S-607	J4S-606	J4S-607	6	220.02	213.1	0.52	-0.440	0.009	0.120	0.060	0.005	0.805	-0.440	0.009	0.120	0.060	0.005	0.805
J4S-607_J4S-610	J4S-607	J4S-610	6	213.1	211.65	0.36	-0.409	0.030	0.183	0.092	0.011	0.898	-0.408	0.030	0.183	0.092	0.011	0.899
J4S-608_J4S-607	J4S-608	J4S-607	6	213.8	213.1	0.36	-0.440	0.014	0.120	0.060	0.005	0.732	-0.440	0.014	0.120	0.060	0.005	0.732
J4S-609_K4S-314	J4S-609	K4S-314	6	260.02	247.67	0.87	-0.449	0.020	0.101	0.051	0.018	2.682	-0.449	0.021	0.102	0.051	0.018	2.683
J4S-610_J4S-611	J4S-610	J4S-611	6	211.65	209.95	0.33	-0.389	0.074	0.221	0.111	0.025	1.340	-0.389	0.074	0.221	0.111	0.025	1.341
J4S-611_J4S-612	J4S-611	J4S-612	6	209.95	209.05	0.31	-0.353	0.106	0.293	0.147	0.033	1.262	-0.353	0.106	0.294	0.147	0.033	1.263
J4S-612_J4S-519	J4S-612	J4S-519	6	209.05	207.51	0.33	-0.331	0.188	0.339	0.169	0.063	1.828	-0.331	0.189	0.339	0.170	0.063	1.828
J4S-613_J4S-316	J4S-613	J4S-316	8	213.96	205.15	1.33	-0.292	0.269	0.563	0.375	0.358	3.530	-0.292	0.269	0.562	0.375	0.357	3.529
J5P-401_J4S-601	J5P-401	J4S-601	6	208.77	206.99	0.32	-0.481	0.002	0.038	0.019	0.001	0.494	-0.481	0.002	0.038	0.019	0.001	0.494
J5S-101_J5S-201	J5S-101	J5S-201	6	209.18	207.34	0.36	-0.441	0.011	0.119	0.059	0.004	0.623	-0.441	0.011	0.119	0.060	0.004	0.623
J5S-102_J5S-208	J5S-102	J5S-208	6	206.92	205.1	0.34	-0.434	0.009	0.132	0.066	0.003	0.451	-0.434	0.009	0.132	0.066	0.003	0.451
J5S-103_I5S-401	J5S-103	I5S-401	6	202.85	200.47	0.44	-0.459	0.009	0.081	0.041	0.004	0.923	-0.459	0.009	0.081	0.041	0.004	0.924
J5S-104_J5S-103	J5S-104	J5S-103	6	205.28	202.85	0.43	-0.467	0.004	0.067	0.034	0.002	0.666	-0.467	0.005	0.067	0.034	0.002	0.666

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J5S-105_J5S-112	J5S-105	J5S-112	6	201.92	194.93	0.57	-0.416	0.039	0.167	0.084	0.022	1.830	-0.416	0.039	0.167	0.084	0.022	1.831
J5S-106_J4S-307	J5S-106	J4S-307	6	203.86	201.96	0.31	-0.385	0.044	0.230	0.115	0.014	0.834	-0.385	0.044	0.230	0.115	0.014	0.834
J5S-107_J5S-106	J5S-107	J5S-106	6	205.7	203.86	0.38	-0.429	0.013	0.142	0.071	0.005	0.631	-0.429	0.013	0.142	0.071	0.005	0.632
J5S-108_J4S-308	J5S-108	J4S-308	6	197.67	194.98	0.36	-0.402	0.036	0.196	0.098	0.013	0.944	-0.402	0.036	0.197	0.098	0.013	0.944
J5S-109_J5S-108	J5S-109	J5S-108	6	200.18	197.67	0.38	-0.436	0.013	0.128	0.064	0.005	0.696	-0.436	0.013	0.128	0.064	0.005	0.696
J5S-110_J4S-306	J5S-110	J4S-306	6	188.21	186.08	0.31	-0.304	0.127	0.392	0.196	0.039	1.128	-0.304	0.127	0.392	0.196	0.039	1.128
J5S-111_J5S-110	J5S-111	J5S-110	6	190.01	188.21	0.28	-0.380	0.114	0.240	0.120	0.032	1.431	-0.380	0.114	0.240	0.120	0.032	1.431
J5S-112_J5S-111	J5S-112	J5S-111	6	194.93	190.01	0.47	-0.386	0.061	0.227	0.114	0.029	1.631	-0.386	0.061	0.227	0.114	0.029	1.631
J5S-113_J4S-305	J5S-113	J4S-305	6	192.51	187.24	0.52	-0.320	0.013	0.360	0.180	0.007	0.341	-0.320	0.013	0.360	0.180	0.007	0.341
J5S-201_J5S-208	J5S-201	J5S-208	6	207.34	205.1	0.36	-0.434	0.030	0.132	0.066	0.011	1.177	-0.434	0.030	0.132	0.066	0.011	1.177
J5S-202_J5S-201	J5S-202	J5S-201	6	210.59	207.34	0.54	-0.441	0.007	0.119	0.059	0.004	0.687	-0.441	0.007	0.119	0.060	0.004	0.687
J5S-203_J5S-204	J5S-203	J5S-204	6	210.5	206.59	0.45	-0.462	0.006	0.076	0.038	0.003	0.810	-0.462	0.006	0.076	0.038	0.003	0.810
J5S-204_J5S-205	J5S-204	J5S-205	6	206.59	201.68	0.50	-0.439	0.012	0.123	0.061	0.006	0.902	-0.439	0.012	0.123	0.061	0.006	0.902
J5S-205_J5S-206	J5S-205	J5S-206	6	201.68	199.71	0.33	-0.432	0.032	0.135	0.068	0.011	1.130	-0.432	0.032	0.135	0.068	0.011	1.130
J5S-206_I5S-502	J5S-206	I5S-502	6	199.71	196.61	0.38	-0.430	0.040	0.140	0.070	0.015	1.420	-0.430	0.040	0.140	0.070	0.015	1.421
J5S-207_J5S-206	J5S-207	J5S-206	6	201.47	199.71	0.34	-0.432	0.009	0.135	0.068	0.003	0.438	-0.432	0.009	0.135	0.068	0.003	0.438
J5S-208_I5S-501	J5S-208	I5S-501	6	205.1	201.66	0.40	-0.429	0.037	0.143	0.071	0.015	1.423	-0.429	0.037	0.143	0.072	0.015	1.424
J5S-209_J5S-322	J5S-209	J5S-322	6	197.41	196.23	0.28	-0.411	0.052	0.179	0.089	0.015	1.053	-0.411	0.052	0.179	0.089	0.015	1.053
J5S-210_J5S-209	J5S-210	J5S-209	6	199.04	197.41	0.28	-0.423	0.021	0.154	0.077	0.006	0.624	-0.423	0.021	0.154	0.077	0.006	0.624
J5S-211_J5S-324	J5S-211	J5S-324	6	198.54	197.24	0.28	-0.389	0.038	0.221	0.111	0.011	0.704	-0.389	0.038	0.222	0.111	0.011	0.704
J5S-212_J5S-211	J5S-212	J5S-211	6	199.87	198.54	0.29	-0.434	0.010	0.132	0.066	0.003	0.431	-0.434	0.010	0.132	0.066	0.003	0.431
J5S-301_J5S-302	J5S-301	J5S-302	6	201.45	200.15	0.28	-0.442	0.024	0.116	0.058	0.007	0.878	-0.442	0.024	0.117	0.058	0.007	0.878
J5S-302_J5S-323	J5S-302	J5S-323	6	200.15	197.59	0.44	-0.416	0.029	0.168	0.084	0.013	1.143	-0.416	0.029	0.168	0.084	0.013	1.143
J5S-303_J6S-402	J5S-303	J6S-402	6	200.22	193.5	0.58	-0.181	0.007	0.639	0.320	0.004	0.301	-0.181	0.007	0.639	0.319	0.004	0.301
J5S-304_J6S-109	J5S-304	J6S-109	6	184.29	183	0.33	-0.140	0.071	0.721	0.360	0.024	0.712	-0.140	0.071	0.720	0.360	0.024	0.714
J5S-305_J5S-304	J5S-305	J5S-304	6	189	184.29	0.82	-0.405	0.006	0.190	0.095	0.005	0.560	-0.405	0.006	0.191	0.095	0.005	0.560
J5S-306_J5S-304	J5S-306	J5S-304	6	186.23	184.29	0.34	-0.405	0.047	0.190	0.095	0.016	1.116	-0.405	0.047	0.191	0.095	0.016	1.117
J5S-307_J5S-306	J5S-307	J5S-306	6	190.17	186.23	0.71	-0.427	0.007	0.146	0.073	0.005	0.702	-0.427	0.007	0.146	0.073	0.005	0.702
J5S-308_J5S-309	J5S-308	J5S-309	6	190.32	189.14	0.39	-0.452	0.003	0.097	0.048	0.001	0.270	-0.452	0.003	0.097	0.048	0.001	0.270
J5S-309_J5S-306	J5S-309	J5S-306	6	189.14	186.23	0.40	-0.427	0.020	0.146	0.073	0.008	0.893	-0.427	0.020	0.146	0.073	0.008	0.893
J5S-310_J5S-309	J5S-310	J5S-309	6	190.66	189.14	0.46	-0.452	0.011	0.097	0.048	0.005	0.933	-0.452	0.011	0.097	0.048	0.005	0.934
J5S-311_J6S-110	J5S-311	J6S-110	6	190.58	190	0.28	-0.267	0.279	0.466	0.233	0.079	1.568	-0.267	0.279	0.466	0.233	0.079	1.569
J5S-312_J5S-311	J5S-312	J5S-311	6	191.14	190.58	0.28	-0.315	0.270	0.370	0.185	0.077	1.846	-0.315	0.270	0.370	0.185	0.077	1.847
J5S-313_J5S-312	J5S-313	J5S-312	6	191.76	191.14	0.28	-0.322	0.256	0.356	0.178	0.072	1.830	-0.322	0.257	0.356	0.178	0.073	1.831
J5S-314_J5S-313	J5S-314	J5S-313	6	191.78	191.76	0.08	-0.272	0.832	0.457	0.228	0.069	1.461	-0.272	0.834	0.457	0.229	0.069	1.461
J5S-315_J5S-318	J5S-315	J5S-318	6	195.09	194.44	0.28	-0.347	0.192	0.307	0.153	0.054	1.675	-0.346	0.192	0.307	0.154	0.054	1.676
J5S-316_J5S-318	J5S-316	J5S-318	6	195.97	194.44	0.47	-0.347	0.008	0.307	0.153	0.004	0.321	-0.346	0.008	0.307	0.154	0.004	0.324
J5S-317_J5S-320	J5S-317	J5S-320	6	194.12	193.07	0.28	-0.337	0.219	0.326	0.163	0.062	1.748	-0.337	0.219	0.327	0.163	0.062	1.749
J5S-318_J5S-317	J5S-318	J5S-317	6	194.44	194.12	0.29	-0.342	0.204	0.317	0.158	0.058	1.729	-0.342	0.204	0.317	0.159	0.058	1.730
J5S-319_J5S-314	J5S-319	J5S-314	6	192.46	191.78	0.28	-0.272	0.240	0.457	0.228	0.068	1.445	-0.272	0.241	0.457	0.229	0.068	1.445
J5S-320_J5S-319	J5S-320	J5S-319	6	193.07	192.46	0.28	-0.330	0.230	0.341	0.170	0.065	1.752	-0.329	0.230	0.341	0.171	0.065	1.753
J5S-321_J5S-315	J5S-321	J5S-315	6	195.76	195.09	0.28	-0.352	0.183	0.297	0.148	0.052	1.671	-0.351	0.183	0.297	0.149	0.052	1.671
J5S-322_J5S-321	J5S-322	J5S-321	6	196.23	195.76	0.28	-0.355	0.066	0.289	0.145	0.019	0.827	-0.355	0.066	0.290	0.145	0.019	0.827
J5S-323_J5S-324	J5S-323	J5S-324	6	197.59	197.24	0.28	-0.389	0.059	0.221	0.111	0.017	0.959	-0.389	0.060	0.222	0.111	0.017	0.959
J5S-324_J5S-321	J5S-324	J5S-321	6	197.24	195.76	0.28	-0.355	0.109	0.289	0.145	0.031	1.192	-0.355	0.109	0.290	0.145	0.031	1.193
J5S-401_J5S-402	J5S-401	J5S-402	6	224.38	220.8	0.57	-0.151	0.030	0.698	0.349	0.017	0.350	-0.151	0.030	0.698	0.349	0.017	0.351
J5S-402_J5S-403	J5S-402	J5S-403	8	220.8	219.62	0.64	-0.303	0.537	0.546	0.364	0.345	2.813	-0.303	0.537	0.546	0.364	0.345	2.813
J5S-403_J4S-602	J5S-403	J4S-602	8	219.62	217.87	0.60	-0.303	0.579	0.546	0.364	0.347	2.886	-0.303	0.578	0.546	0.364	0.347	2.885
J5S-404_J5S-406	J5S-404	J5S-406	6	213.77	211.41	0.39	-0.467	0.005	0.066	0.033	0.002	0.648	-0.467	0.005	0.066	0.033	0.002	0.648
J5S-405_J5S-406	J5S-405	J5S-406	6	213.02	211.41	0.39	-0.467	0.002	0.066	0.033	0.001	0.328	-0.467	0.002	0.066	0.033	0.001	0.328
J5S-406_J5S-407	J5S-406	J5S-407	6	211.41	208.7	0.44	-0.438	0.009	0.125	0.062	0.004	0.613	-0.438	0.009	0.125	0.062	0.004	0.613

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J5S-407_J4S-603	J5S-407	J4S-603	6	208.7	206.72	0.31	-0.437	0.034	0.125	0.063	0.010	1.131	-0.437	0.034	0.126	0.063	0.010	1.132
J5S-408_J5S-407	J5S-408	J5S-407	6	209.95	208.7	0.40	-0.438	0.007	0.125	0.062	0.003	0.476	-0.438	0.007	0.125	0.062	0.003	0.476
J5S-409_J5S-105	J5S-409	J5S-105	6	206.81	201.92	0.47	-0.433	0.034	0.134	0.067	0.016	1.661	-0.433	0.034	0.134	0.067	0.016	1.661
J5S-410_J5S-409	J5S-410	J5S-409	6	210.31	206.81	0.40	-0.437	0.033	0.126	0.063	0.013	1.447	-0.437	0.033	0.126	0.063	0.013	1.447
J5S-411_J5S-412	J5S-411	J5S-412	6	215.42	214.54	0.43	-0.465	0.009	0.071	0.036	0.004	1.028	-0.465	0.009	0.071	0.036	0.004	1.029
J5S-412_J5S-413	J5S-412	J5S-413	6	214.54	213.85	0.40	-0.452	0.010	0.096	0.048	0.004	0.792	-0.452	0.010	0.097	0.048	0.004	0.792
J5S-413_J5S-410	J5S-413	J5S-410	6	213.85	210.31	0.40	-0.438	0.020	0.124	0.062	0.008	1.022	-0.438	0.020	0.124	0.062	0.008	1.022
J5S-414_J5S-411	J5S-414	J5S-411	6	217.62	215.42	0.40	-0.465	0.010	0.070	0.035	0.004	1.006	-0.465	0.010	0.070	0.035	0.004	1.007
J5S-415_J5S-506	J5S-415	J5S-506	6	222.06	220.42	0.37	-0.466	0.003	0.067	0.034	0.001	0.387	-0.466	0.003	0.067	0.034	0.001	0.387
J5S-416_J5S-516	J5S-416	J5S-516	6	215.66	212.98	0.42	-0.440	0.028	0.120	0.060	0.012	1.396	-0.440	0.028	0.121	0.060	0.012	1.397
J5S-417_J5S-416	J5S-417	J5S-416	6	216.94	215.66	0.40	-0.443	0.015	0.114	0.057	0.006	0.887	-0.443	0.015	0.114	0.057	0.006	0.888
J5S-501_J5S-502	J5S-501	J5S-502	6	210.14	208.66	0.40	-0.446	0.007	0.107	0.054	0.003	0.568	-0.446	0.007	0.108	0.054	0.003	0.568
J5S-502_J5S-604	J5S-502	J5S-604	6	208.66	204.73	0.52	-0.439	0.024	0.122	0.061	0.013	1.575	-0.439	0.025	0.122	0.061	0.013	1.575
J5S-503_J5S-502	J5S-503	J5S-502	6	211.6	208.66	0.47	-0.446	0.012	0.107	0.054	0.006	0.991	-0.446	0.012	0.108	0.054	0.006	0.991
J5S-504_J5S-503	J5S-504	J5S-503	6	214.12	211.6	0.47	-0.461	0.004	0.078	0.039	0.002	0.595	-0.461	0.004	0.078	0.039	0.002	0.595
J5S-505_J5S-517	J5S-505	J5S-517	6	215.51	209.51	0.50	-0.422	0.008	0.157	0.079	0.004	0.515	-0.421	0.008	0.157	0.079	0.004	0.515
J5S-506_J5S-507	J5S-506	J5S-507	6	220.42	220.2	0.33	-0.464	0.009	0.072	0.036	0.003	0.760	-0.464	0.009	0.072	0.036	0.003	0.760
J5S-507_J5S-508	J5S-507	J5S-508	6	220.2	219.57	0.38	-0.449	0.010	0.102	0.051	0.004	0.730	-0.449	0.010	0.103	0.051	0.004	0.731
J5S-508_J5S-509	J5S-508	J5S-509	6	219.57	215.17	0.49	-0.431	0.022	0.139	0.069	0.011	1.246	-0.431	0.022	0.139	0.069	0.011	1.247
J5S-509_J5S-518	J5S-509	J5S-518	6	215.17	213.28	0.31	-0.389	0.042	0.223	0.111	0.013	0.824	-0.389	0.042	0.223	0.112	0.013	0.824
J5S-511_J5S-616	J5S-511	J5S-616	6	202.18	199.05	0.40	-0.344	0.133	0.312	0.156	0.053	1.831	-0.344	0.133	0.312	0.156	0.053	1.832
J5S-512_J5S-511	J5S-512	J5S-511	6	204.58	202.18	0.33	-0.376	0.134	0.247	0.124	0.045	1.842	-0.376	0.134	0.248	0.124	0.045	1.843
J5S-513_J5S-514	J5S-513	J5S-514	6	211.04	205.29	0.51	-0.375	0.013	0.249	0.125	0.007	0.495	-0.375	0.013	0.250	0.125	0.007	0.495
J5S-514_J5S-512	J5S-514	J5S-512	6	205.29	204.58	0.28	-0.375	0.137	0.249	0.125	0.038	1.542	-0.375	0.137	0.250	0.125	0.038	1.543
J5S-515_J5S-514	J5S-515	J5S-514	6	206.4	205.29	0.31	-0.375	0.096	0.249	0.125	0.030	1.350	-0.375	0.096	0.250	0.125	0.030	1.350
J5S-516_J5S-517	J5S-516	J5S-517	6	212.98	209.51	0.47	-0.422	0.031	0.157	0.079	0.015	1.377	-0.421	0.031	0.157	0.079	0.015	1.377
J5S-517_J5S-515	J5S-517	J5S-515	6	209.51	206.4	0.44	-0.395	0.054	0.209	0.105	0.024	1.479	-0.395	0.054	0.210	0.105	0.024	1.480
J5S-518_J5S-617	J5S-518	J5S-617	6	213.28	210.76	0.36	-0.378	0.109	0.245	0.123	0.039	1.731	-0.377	0.110	0.245	0.123	0.039	1.732
J5S-601_J5S-602	J5S-601	J5S-602	6	197.83	195.99	0.40	-0.293	0.015	0.415	0.208	0.006	0.324	-0.292	0.015	0.415	0.208	0.006	0.324
J5S-602_J5S-612	J5S-602	J5S-612	6	195.99	195.23	0.28	-0.289	0.361	0.422	0.211	0.102	2.036	-0.289	0.361	0.422	0.211	0.102	2.037
J5S-603_J5S-614	J5S-603	J5S-614	6	204.23	201.36	0.55	-0.425	0.032	0.151	0.075	0.018	1.698	-0.425	0.032	0.151	0.076	0.018	1.699
J5S-604_J5S-603	J5S-604	J5S-603	6	204.73	204.23	0.49	-0.439	0.032	0.123	0.061	0.016	1.769	-0.439	0.032	0.123	0.062	0.016	1.770
J5S-605_J5S-614	J5S-605	J5S-614	6	212.52	201.36	0.63	-0.425	0.009	0.151	0.075	0.006	0.773	-0.425	0.009	0.151	0.076	0.006	0.773
J5S-608_J6S-405	J5S-608	J6S-405	6	204.64	202.49	0.40	-0.277	0.037	0.445	0.223	0.015	0.792	-0.278	0.037	0.445	0.222	0.015	0.792
J5S-609_J5S-608	J5S-609	J5S-608	6	205.84	204.64	0.40	-0.435	0.022	0.131	0.065	0.009	1.062	-0.435	0.022	0.131	0.065	0.009	1.063
J5S-610_J5S-609	J5S-610	J5S-609	6	207.87	205.84	0.40	-0.449	0.015	0.102	0.051	0.006	0.973	-0.449	0.015	0.102	0.051	0.006	0.974
J5S-611_J5S-602	J5S-611	J5S-602	6	196.35	195.99	0.28	-0.293	0.336	0.415	0.208	0.095	1.956	-0.292	0.337	0.415	0.208	0.095	1.957
J5S-612_J6S-404	J5S-612	J6S-404	6	195.23	194.05	0.28	-0.134	0.375	0.732	0.366	0.106	1.346	-0.134	0.375	0.732	0.366	0.106	1.349
J5S-613_J5S-611	J5S-613	J5S-611	6	197.45	196.35	0.28	-0.300	0.325	0.401	0.200	0.092	1.962	-0.299	0.325	0.401	0.201	0.092	1.963
J5S-614_J5S-615	J5S-614	J5S-615	6	201.36	198.46	0.55	-0.311	0.048	0.379	0.190	0.027	0.990	-0.310	0.049	0.380	0.190	0.027	0.990
J5S-615_J5S-613	J5S-615	J5S-613	6	198.46	197.45	0.28	-0.305	0.305	0.391	0.195	0.086	1.921	-0.304	0.306	0.391	0.196	0.086	1.922
J5S-616_J5S-615	J5S-616	J5S-615	6	199.05	198.46	0.28	-0.311	0.206	0.379	0.190	0.058	1.498	-0.310	0.206	0.380	0.190	0.058	1.498
J5S-617_J5S-618	J5S-617	J5S-618	6	210.76	208.22	0.33	-0.373	0.133	0.255	0.127	0.044	1.788	-0.373	0.133	0.255	0.127	0.044	1.788
J5S-618_K5S-307	J5S-618	K5S-307	6	208.22	205.82	0.33	-0.350	0.143	0.301	0.150	0.048	1.660	-0.350	0.143	0.301	0.151	0.048	1.660
J6S-101_J6S-106	J6S-101	J6S-106	6	185.83	185.5	0.40	-0.137	0.013	0.726	0.363	0.005	0.244	-0.138	0.012	0.725	0.362	0.005	0.245
J6S-102_J6S-101	J6S-102	J6S-101	6	190	185.83	0.46	-0.444	0.009	0.112	0.056	0.004	1.028	-0.443	0.009	0.115	0.057	0.004	1.028
J6S-103_J6S-206	J6S-103	J6S-206	6	189.85	188.12	0.28	-0.399	0.073	0.202	0.101	0.021	1.207	-0.399	0.073	0.202	0.101	0.021	1.208
J6S-106_J6S-109	J6S-106	J6S-109	15	185.5	183	3.62	-0.887	0.183	0.290	0.363	0.664	3.483	-0.888	0.183	0.290	0.362	0.663	3.481
J6S-107_J6S-109	J6S-107	J6S-109	6	183.16	183	0.28	-0.140	0.029	0.721	0.360	0.008	0.365	-0.140	0.029	0.720	0.360	0.008	0.366
J6S-108_J6S-107	J6S-108	J6S-107	6	185.61	183.16	0.58	-0.300	0.005	0.401	0.200	0.003	0.353	-0.300	0.005	0.400	0.200	0.003	0.353
J6S-109_I6S-404	J6S-109	I6S-404	15	183	181	3.84	-0.890	0.181	0.288	0.360	0.694	3.675	-0.890	0.181	0.288	0.360	0.693	3.673

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J6S-110_J6S-106	J6S-110	J6S-106	15	190	185.5	8.84	-0.887	0.075	0.290	0.363	0.660	4.565	-0.888	0.075	0.290	0.362	0.659	4.563
J6S-111_J6S-119	J6S-111	J6S-119	6	187.21	186.19	0.28	-0.413	0.056	0.175	0.087	0.016	1.125	-0.413	0.056	0.175	0.087	0.016	1.126
J6S-112_J6S-403	J6S-112	J6S-403	6	177.47	175.39	0.31	0.706	0.051	2.411	1.206	0.016	0.360	0.715	0.051	2.431	1.215	0.016	0.360
J6S-113_J6S-112	J6S-113	J6S-112	6	179.6	177.47	0.31	-0.423	0.022	0.155	0.078	0.007	0.711	-0.422	0.022	0.155	0.078	0.007	0.711
J6S-114_J6S-107	J6S-114	J6S-107	6	185.66	183.16	0.40	-0.300	0.010	0.401	0.200	0.004	0.412	-0.300	0.010	0.400	0.200	0.004	0.415
J6S-115_J6S-208	J6S-115	J6S-208	6	185.15	183.07	0.31	-0.422	0.035	0.157	0.079	0.011	0.975	-0.421	0.035	0.157	0.079	0.011	0.975
J6S-116_J6S-115	J6S-116	J6S-115	6	187.25	185.15	0.31	-0.437	0.010	0.127	0.063	0.003	0.460	-0.437	0.010	0.127	0.064	0.003	0.460
J6S-117_J6S-212	J6S-117	J6S-212	6	184.32	182.48	0.31	-0.400	0.087	0.199	0.100	0.027	1.500	-0.400	0.087	0.200	0.100	0.027	1.501
J6S-118_J6S-111	J6S-118	J6S-111	6	188	187.21	0.28	-0.420	0.010	0.160	0.080	0.003	0.355	-0.420	0.010	0.160	0.080	0.003	0.355
J6S-119_J6S-117	J6S-119	J6S-117	6	186.19	184.32	0.31	-0.401	0.067	0.198	0.099	0.021	1.270	-0.401	0.067	0.199	0.099	0.021	1.270
J6S-120_J6S-111	J6S-120	J6S-111	6	188.57	187.21	0.28	-0.420	0.034	0.160	0.080	0.010	0.866	-0.420	0.034	0.160	0.080	0.010	0.866
J6S-201_J6S-502	J6S-201	J6S-502	15	178.64	176.6	3.31	0.132	0.693	1.105	1.382	2.291	3.553	0.152	0.695	1.122	1.402	2.299	3.549
J6S-202_J6S-201	J6S-202	J6S-201	6	180.19	178.64	0.54	0.285	0.009	1.570	0.785	0.005	0.187	0.288	0.009	1.576	0.788	0.005	0.187
J6S-203_J6S-214	J6S-203	J6S-214	8	182.93	182.16	0.47	-0.239	0.743	0.641	0.428	0.350	2.619	-0.240	0.742	0.641	0.427	0.350	2.618
J6S-204_J6S-203	J6S-204	J6S-203	8	183.51	182.93	0.48	-0.239	0.691	0.641	0.428	0.329	2.201	-0.240	0.690	0.641	0.427	0.328	2.201
J6S-205_J6S-204	J6S-205	J6S-204	6	187.72	183.51	0.85	-0.088	0.032	0.824	0.412	0.027	0.824	-0.089	0.032	0.823	0.411	0.027	0.826
J6S-206_J6S-205	J6S-206	J6S-205	6	188.12	187.72	0.29	-0.399	0.090	0.202	0.101	0.026	1.414	-0.399	0.090	0.202	0.101	0.026	1.415
J6S-207_J6S-112	J6S-207	J6S-112	6	178.43	177.47	0.31	-0.423	0.013	0.155	0.078	0.004	0.467	-0.422	0.013	0.155	0.078	0.004	0.467
J6S-208_J6S-211	J6S-208	J6S-211	6	183.07	181.42	0.31	-0.374	0.054	0.252	0.126	0.017	0.890	-0.374	0.054	0.252	0.126	0.017	0.890
J6S-209_J6S-210	J6S-209	J6S-210	15	179.69	179.31	2.05	-0.186	1.094	0.852	1.064	2.240	3.221	-0.179	1.098	0.857	1.071	2.249	3.225
J6S-210_J6S-201	J6S-210	J6S-201	15	179.31	178.64	2.22	-0.260	1.028	0.792	0.990	2.284	4.001	-0.257	1.032	0.794	0.993	2.293	4.000
J6S-211_J6S-210	J6S-211	J6S-210	6	181.42	179.31	0.38	0.490	0.137	1.980	0.990	0.052	0.484	0.493	0.137	1.986	0.993	0.052	0.487
J6S-212_J6S-211	J6S-212	J6S-211	6	182.48	181.42	0.38	-0.374	0.084	0.252	0.126	0.032	1.495	-0.374	0.085	0.252	0.126	0.032	1.496
J6S-213_J6S-215	J6S-213	J6S-215	6	183.6	180.52	0.57	0.418	0.007	1.836	0.918	0.004	0.198	0.417	0.007	1.834	0.917	0.004	0.198
J6S-214_J6S-215	J6S-214	J6S-215	8	182.16	180.52	0.67	0.251	0.547	1.377	0.918	0.365	2.099	0.250	0.546	1.376	0.917	0.364	2.096
J6S-215_J6S-209	J6S-215	J6S-209	8	180.52	179.69	0.47	0.398	0.954	1.597	1.064	0.449	1.955	0.404	0.953	1.606	1.071	0.449	1.952
J6S-301_J6S-209	J6S-301	J6S-209	15	180.46	179.69	1.89	-0.186	0.947	0.852	1.064	1.787	2.708	-0.179	0.953	0.857	1.071	1.799	2.715
J6S-302_J6S-305	J6S-302	J6S-305	12	184.39	183.49	1.46	0.081	1.189	1.081	1.081	1.740	4.112	0.101	1.198	1.101	1.101	1.752	4.120
J6S-303_J6S-308	J6S-303	J6S-308	6	186.33	185.4	0.28	-0.358	0.099	0.284	0.142	0.028	1.267	-0.370	0.099	0.261	0.130	0.028	1.268
J6S-304_J6S-305	J6S-304	J6S-305	6	186.63	183.49	0.36	0.195	0.016	1.389	0.695	0.006	0.218	0.199	0.016	1.397	0.699	0.006	0.218
J6S-305_J6S-306	J6S-305	J6S-306	12	183.49	181.34	2.16	-0.044	0.812	0.956	0.956	1.751	3.821	-0.039	0.818	0.961	0.961	1.763	3.827
J6S-306_J6S-307	J6S-306	J6S-307	15	181.34	180.85	1.95	-0.255	0.911	0.796	0.995	1.773	2.666	-0.250	0.917	0.800	1.000	1.785	2.667
J6S-307_J6S-301	J6S-307	J6S-301	15	180.85	180.46	1.82	-0.255	0.978	0.796	0.995	1.782	2.684	-0.250	0.985	0.800	1.000	1.793	2.686
J6S-308_J6S-302	J6S-308	J6S-302	6	185.4	184.39	0.28	0.581	0.152	2.162	1.081	0.043	0.439	0.601	0.228	2.202	1.101	0.065	0.509
J6S-309_J6S-215	J6S-309	J6S-215	6	181.94	180.52	0.28	0.418	0.294	1.836	0.918	0.083	0.783	0.417	0.294	1.834	0.917	0.083	0.782
J6S-401_J6S-403	J6S-401	J6S-403	6	192.86	191.11	0.28	-0.437	0.010	0.127	0.063	0.003	0.450	-0.437	0.011	0.127	0.063	0.003	0.451
J6S-402_J6S-110	J6S-402	J6S-110	15	193.5	190	4.06	-0.931	0.143	0.256	0.320	0.581	3.640	-0.931	0.143	0.255	0.319	0.580	3.638
J6S-403_J6S-103	J6S-403	J6S-103	6	191.11	189.85	0.28	-0.409	0.035	0.182	0.091	0.010	0.783	-0.409	0.035	0.182	0.091	0.010	0.783
J6S-404_J6S-402	J6S-404	J6S-402	15	194.05	193.5	3.09	-0.884	0.187	0.293	0.366	0.577	2.989	-0.884	0.187	0.293	0.366	0.576	2.988
J6S-405_J6S-404	J6S-405	J6S-404	15	202.49	194.05	6.79	-0.884	0.069	0.293	0.366	0.469	3.280	-0.884	0.069	0.293	0.366	0.468	3.277
J6S-406_J6S-408	J6S-406	J6S-408	6	197.08	195.84	0.40	-0.461	0.010	0.079	0.039	0.004	0.912	-0.461	0.010	0.079	0.039	0.004	0.912
J6S-407_J6S-414	J6S-407	J6S-414	6	191.41	190.57	0.33	-0.425	0.030	0.151	0.076	0.010	0.965	-0.424	0.030	0.151	0.076	0.010	0.966
J6S-408_J6S-407	J6S-408	J6S-407	6	195.84	191.41	0.62	-0.441	0.013	0.118	0.059	0.008	1.210	-0.441	0.013	0.119	0.059	0.008	1.211
J6S-409_J6S-408	J6S-409	J6S-408	6	197.77	195.84	0.51	-0.461	0.004	0.079	0.039	0.002	0.598	-0.461	0.004	0.079	0.039	0.002	0.598
J6S-410_K6S-103	J6S-410	K6S-103	6	196.83	195.42	0.28	-0.419	0.035	0.163	0.081	0.010	0.863	-0.419	0.035	0.163	0.081	0.010	0.864
J6S-411_J6S-410	J6S-411	J6S-410	6	197.84	196.83	0.28	-0.437	0.017	0.127	0.063	0.005	0.648	-0.437	0.017	0.127	0.063	0.005	0.648
J6S-412_J6S-413	J6S-412	J6S-413	6	189.56	187.92	0.28	-0.337	0.163	0.327	0.163	0.046	1.436	-0.337	0.163	0.327	0.164	0.046	1.436
J6S-413_J6S-507	J6S-413	J6S-507	6	187.92	186.76	0.31	-0.321	0.230	0.358	0.179	0.071	1.855	-0.321	0.230	0.358	0.179	0.071	1.856
J6S-414_J6S-413	J6S-414	J6S-413	6	190.57	187.92	0.36	-0.337	0.050	0.327	0.163	0.018	0.760	-0.337	0.050	0.327	0.164	0.018	0.761
J6S-415_J6S-414	J6S-415	J6S-414	6	191.62	190.57	0.38	-0.425	0.013	0.151	0.076	0.005	0.593	-0.424	0.013	0.151	0.076	0.005	0.593
J6S-501_J6S-512	J6S-501	J6S-512	6	194.66	194	0.31	-0.452	0.016	0.096	0.048	0.005	0.838	-0.452	0.016	0.096	0.048	0.005	0.838

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
J6S-502_J6S-214	J6S-502	J6S-214	6	186.94	182.16	0.52	-0.145	0.022	0.709	0.355	0.012	0.503	-0.146	0.023	0.709	0.354	0.012	0.502
J6S-503_J6S-502	J6S-503	J6S-502	6	189.67	186.94	0.40	-0.449	0.015	0.103	0.052	0.006	0.971	-0.448	0.015	0.103	0.052	0.006	0.971
J6S-504_J6S-510	J6S-504	J6S-510	6	187.9	186.43	0.28	-0.116	0.824	0.767	0.384	0.233	2.413	-0.118	0.824	0.763	0.382	0.233	2.413
J6S-505_J6S-506	J6S-505	J6S-506	6	191.35	190.74	0.31	-0.436	0.035	0.128	0.064	0.011	1.155	-0.436	0.035	0.128	0.064	0.011	1.156
J6S-506_J6S-513	J6S-506	J6S-513	6	190.74	188.35	0.56	-0.440	0.023	0.120	0.060	0.013	1.654	-0.440	0.023	0.120	0.060	0.013	1.655
J6S-507_J6S-508	J6S-507	J6S-508	6	186.76	186.47	0.28	-0.296	0.262	0.408	0.204	0.074	1.717	-0.297	0.263	0.407	0.203	0.074	1.715
J6S-508_J6S-509	J6S-508	J6S-509	6	186.47	185.53	0.31	0.180	0.241	1.360	0.680	0.075	0.948	0.170	0.243	1.339	0.670	0.075	0.948
J6S-509_J6S-204	J6S-509	J6S-204	6	185.53	183.51	0.28	0.180	1.069	1.360	0.680	0.302	2.609	0.170	1.068	1.339	0.670	0.302	2.608
J6S-510_J6S-509	J6S-510	J6S-509	6	186.43	185.53	0.31	0.180	0.756	1.360	0.680	0.233	2.117	0.170	0.757	1.339	0.670	0.234	2.114
J6S-511_J6S-505	J6S-511	J6S-505	6	192.7	191.35	0.31	-0.436	0.023	0.128	0.064	0.007	0.854	-0.436	0.023	0.128	0.064	0.007	0.855
J6S-512_J6S-511	J6S-512	J6S-511	6	194	192.7	0.31	-0.448	0.019	0.103	0.052	0.006	0.902	-0.448	0.019	0.103	0.052	0.006	0.902
J6S-513_J6S-203	J6S-513	J6S-203	6	188.35	182.93	0.55	-0.073	0.031	0.855	0.428	0.017	0.370	-0.073	0.031	0.854	0.427	0.017	0.371
J6S-514_J6S-608	J6S-514	J6S-608	6	189.3	186.32	0.57	-0.341	0.007	0.319	0.160	0.004	0.258	-0.340	0.007	0.319	0.160	0.004	0.260
J6S-601_J6S-613	J6S-601	J6S-613	12	192.69	191.67	1.39	0.159	1.211	1.159	1.159	1.681	3.933	0.183	1.220	1.183	1.183	1.694	3.914
J6S-602_J6S-613	J6S-602	J6S-613	6	194.18	191.67	0.49	0.120	0.008	1.239	0.620	0.004	0.275	0.123	0.008	1.246	0.623	0.004	0.275
J6S-603_J6S-601	J6S-603	J6S-601	6	195.93	192.69	0.51	0.659	0.004	2.317	1.159	0.002	0.178	0.683	0.004	2.366	1.183	0.002	0.178
J6S-604_J6S-302	J6S-604	J6S-302	12	188.93	184.39	3.21	0.081	0.533	1.081	1.081	1.710	4.153	0.101	0.537	1.101	1.101	1.723	4.187
J6S-605_J6S-303	J6S-605	J6S-303	6	188.79	186.33	0.36	-0.393	0.061	0.214	0.107	0.022	1.290	-0.393	0.061	0.214	0.107	0.022	1.292
J6S-606_J6S-605	J6S-606	J6S-605	6	190.77	188.79	0.57	-0.417	0.009	0.167	0.083	0.005	0.586	-0.417	0.009	0.167	0.083	0.005	0.587
J6S-607_J6S-612	J6S-607	J6S-612	6	193.47	191.93	0.28	-0.437	0.017	0.126	0.063	0.005	0.652	-0.437	0.017	0.127	0.063	0.005	0.652
J6S-608_J6S-614	J6S-608	J6S-614	6	186.32	184.72	0.28	-0.333	0.222	0.334	0.167	0.063	1.740	-0.333	0.222	0.335	0.167	0.063	1.740
J6S-609_J6S-608	J6S-609	J6S-608	6	187.52	186.32	0.28	-0.341	0.196	0.319	0.160	0.055	1.657	-0.340	0.197	0.319	0.160	0.055	1.658
J6S-610_J6S-612	J6S-610	J6S-612	6	192.94	191.93	0.40	-0.437	0.012	0.126	0.063	0.005	0.711	-0.437	0.012	0.127	0.063	0.005	0.711
J6S-611_J6S-309	J6S-611	J6S-309	6	183.7	181.94	0.28	-0.319	0.265	0.361	0.181	0.075	1.853	-0.319	0.266	0.361	0.181	0.075	1.854
J6S-612_J6S-605	J6S-612	J6S-605	6	191.93	188.79	0.40	-0.417	0.034	0.167	0.083	0.014	1.189	-0.417	0.034	0.167	0.083	0.014	1.189
J6S-613_J6S-604	J6S-613	J6S-604	12	191.67	188.93	2.39	-0.380	0.706	0.620	0.620	1.687	5.115	-0.377	0.711	0.623	0.623	1.700	5.123
J6S-614_J6S-611	J6S-614	J6S-611	6	184.72	183.7	0.28	-0.325	0.241	0.351	0.175	0.068	1.769	-0.325	0.241	0.351	0.175	0.068	1.770
J7S-103_J7S-107	J7S-103	J7S-107	6	190.77	187.63	0.33	-0.410	0.009	0.180	0.090	0.003	0.329	-0.410	0.009	0.180	0.090	0.003	0.329
J7S-107_J7S-110	J7S-107	J7S-110	6	187.63	185.74	0.31	-0.410	0.071	0.181	0.091	0.022	1.442	-0.409	0.072	0.181	0.091	0.023	1.443
J7S-108_J6S-302	J7S-108	J6S-302	6	189.63	184.39	0.49	0.581	0.016	2.162	1.081	0.008	0.242	0.601	0.016	2.202	1.101	0.008	0.243
J7S-109_J6S-305	J7S-109	J6S-305	6	187.5	183.49	0.42	0.195	0.016	1.389	0.695	0.007	0.256	0.199	0.016	1.397	0.699	0.007	0.256
J7S-110_J7S-112	J7S-110	J7S-112	6	185.74	183.86	0.40	-0.395	0.064	0.211	0.106	0.026	1.510	-0.394	0.064	0.211	0.106	0.026	1.511
J7S-112_J7S-113	J7S-112	J7S-113	6	183.86	183	0.28	-0.390	0.098	0.220	0.110	0.028	1.383	-0.390	0.098	0.221	0.111	0.028	1.381
J7S-113_J6S-306	J7S-113	J6S-306	6	183	181.34	0.28	0.456	0.110	1.912	0.956	0.031	0.324	0.461	0.110	1.921	0.961	0.031	0.332
J7S-401_J7S-413	J7S-401	J7S-413	6	196.41	191.49	0.47	-0.393	0.014	0.213	0.107	0.007	0.576	-0.393	0.014	0.214	0.107	0.007	0.576
J7S-402_J7S-413	J7S-402	J7S-413	6	193.61	191.49	0.33	-0.393	0.059	0.213	0.107	0.020	1.183	-0.393	0.059	0.214	0.107	0.020	1.184
J7S-403_J7S-402	J7S-403	J7S-402	6	196.29	193.61	0.38	-0.418	0.015	0.164	0.082	0.006	0.634	-0.418	0.015	0.164	0.082	0.006	0.634
J7S-409_J7S-402	J7S-409	J7S-402	6	197.13	193.61	0.44	-0.418	0.027	0.164	0.082	0.012	1.102	-0.418	0.027	0.164	0.082	0.012	1.103
J7S-410_J7S-409	J7S-410	J7S-409	6	200.61	197.13	0.43	-0.444	0.009	0.112	0.056	0.004	0.695	-0.444	0.009	0.112	0.056	0.004	0.695
J7S-411_J7S-107	J7S-411	J7S-107	6	193.81	187.63	0.46	-0.410	0.013	0.180	0.090	0.006	0.605	-0.410	0.013	0.180	0.090	0.006	0.605
J7S-412_K7S-101	J7S-412	K7S-101	6	196.84	195.72	0.33	1.109	0.055	3.217	1.609	0.018	0.337	1.176	0.041	3.353	1.676	0.014	0.338
J7S-413_J6S-604	J7S-413	J6S-604	6	191.49	188.93	0.33	0.022	0.101	1.044	0.522	0.034	0.871	0.024	0.101	1.049	0.524	0.034	0.871
J7S-414_J6S-601	J7S-414	J6S-601	6	193.8	192.69	0.22	0.659	0.020	2.317	1.159	0.004	0.135	0.683	0.037	2.366	1.183	0.008	0.136
J7S-510_J7S-412	J7S-510	J7S-412	6	199.7	196.84	0.31	-0.012	0.013	0.976	0.488	0.004	0.525	0.055	0.013	1.109	0.555	0.004	0.523
K2S-302_J3S-401	K2S-302	J3S-401	8	289.5	285	1.23	-0.379	0.386	0.431	0.287	0.476	5.130	-0.171	0.903	0.744	0.496	1.113	6.202
K2S-303_K3S-103	K2S-303	K3S-103	6	286.88	280.27	0.65	-0.496	0.000	0.009	0.004	0.000	0.280	-0.496	0.000	0.009	0.004	0.000	0.280
K2S-313_K2S-302	K2S-313	K2S-302	6	290.17	289.5	0.00	-0.213	0.000	0.573	0.287	0.000	0.145	-0.006	0.000	0.989	0.494	0.000	0.146
K3S-101_J3S-405	K3S-101	J3S-405	6	264.87	263.89	0.32	-0.491	0.000	0.019	0.009	0.000	0.142	-0.489	0.000	0.022	0.011	0.000	0.145
K3S-102_K3S-101	K3S-102	K3S-101	6	266.35	264.87	0.65	-0.494	0.000	0.011	0.006	0.000	0.271	-0.494	0.000	0.011	0.006	0.000	0.271
K3S-103_J3S-404	K3S-103	J3S-404	6	280.27	267.98	0.65	-0.495	0.000	0.010	0.005	0.000	0.466	-0.495	0.000	0.010	0.005	0.000	0.466
K3S-104_K3S-103	K3S-104	K3S-103	6	282.87	280.27	0.65	-0.496	0.000	0.009	0.004	0.000	0.246	-0.496	0.000	0.009	0.004	0.000	0.246

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K3S-106_K3S-105	K3S-106	K3S-105	6	286.65	285.92	0.65	-0.495	0.000	0.009	0.005	0.000	0.277	-0.495	0.000	0.009	0.005	0.000	0.277
K3S-113_K3S-114	K3S-113	K3S-114	6	283.26	280.27	0.65	-0.495	0.000	0.009	0.005	0.000	0.322	-0.495	0.000	0.009	0.005	0.000	0.322
K3S-114_K3S-119	K3S-114	K3S-119	6	280.27	278.84	0.65	-0.495	0.000	0.009	0.005	0.000	0.277	-0.495	0.000	0.009	0.005	0.000	0.277
K3S-117_K3S-118	K3S-117	K3S-118	6	272.53	265.06	0.65	-0.493	0.000	0.014	0.007	0.000	0.446	-0.493	0.000	0.014	0.007	0.000	0.446
K3S-118_K3S-209	K3S-118	K3S-209	6	265.06	252.85	0.65	-0.482	0.000	0.036	0.018	0.000	0.594	-0.482	0.000	0.036	0.018	0.000	0.594
K3S-119_K3S-117	K3S-119	K3S-117	6	278.84	272.53	1.29	-0.495	0.000	0.010	0.005	0.000	0.479	-0.495	0.000	0.010	0.005	0.000	0.479
K3S-201_K3S-202	K3S-201	K3S-202	6	247.55	243.82	0.61	-0.425	0.018	0.151	0.075	0.011	1.228	-0.425	0.018	0.151	0.076	0.011	1.229
K3S-202_K3S-203	K3S-202	K3S-203	6	243.82	241.45	0.31	-0.424	0.050	0.152	0.076	0.015	1.272	-0.424	0.050	0.152	0.076	0.015	1.273
K3S-203_K3S-301	K3S-203	K3S-301	6	241.45	226.65	1.02	-0.239	0.022	0.522	0.261	0.022	0.702	-0.239	0.022	0.523	0.261	0.022	0.704
K3S-204_K3S-301	K3S-204	K3S-301	6	229.3	226.65	0.45	-0.239	0.052	0.522	0.261	0.023	0.635	-0.239	0.052	0.523	0.261	0.023	0.635
K3S-205_K3S-204	K3S-205	K3S-204	6	240.27	229.3	1.17	-0.422	0.018	0.157	0.079	0.021	2.256	-0.421	0.018	0.157	0.079	0.021	2.257
K3S-206_K3S-205	K3S-206	K3S-205	6	260.17	240.27	1.20	-0.454	0.016	0.092	0.046	0.019	3.386	-0.454	0.016	0.092	0.046	0.019	3.389
K3S-207_K3S-206	K3S-207	K3S-206	6	261.83	260.17	0.42	-0.438	0.033	0.124	0.062	0.014	1.516	-0.438	0.033	0.124	0.062	0.014	1.517
K3S-208_K3S-207	K3S-208	K3S-207	6	266.7	261.83	0.88	-0.438	0.012	0.124	0.062	0.011	1.631	-0.438	0.012	0.124	0.062	0.011	1.632
K3S-209_K3S-202	K3S-209	K3S-202	6	252.85	243.82	0.70	-0.425	0.002	0.151	0.075	0.002	0.418	-0.425	0.002	0.151	0.076	0.002	0.418
K3S-211_K3S-118	K3S-211	K3S-118	6	267.45	265.06	0.32	-0.493	0.000	0.014	0.007	0.000	0.343	-0.493	0.000	0.014	0.007	0.000	0.344
K3S-214_K3S-201	K3S-214	K3S-201	6	260.2	247.55	0.99	-0.454	0.004	0.093	0.046	0.004	1.047	-0.454	0.004	0.093	0.046	0.004	1.048
K3S-301_J3S-604	K3S-301	J3S-604	8	226.65	225.75	0.48	-0.406	0.325	0.392	0.261	0.156	2.102	-0.405	0.325	0.392	0.261	0.156	2.102
K3S-302_K3S-204	K3S-302	K3S-204	6	289.5	229.3	2.71	-0.422	0.001	0.157	0.079	0.003	0.946	-0.421	0.001	0.157	0.079	0.003	0.946
K3S-303_K3S-316	K3S-303	K3S-316	8	229.2	226.95	0.74	-0.443	0.139	0.335	0.224	0.103	1.863	-0.443	0.139	0.336	0.224	0.104	1.864
K3S-304_K3S-303	K3S-304	K3S-303	8	229.64	229.2	0.55	-0.473	0.187	0.291	0.194	0.102	1.933	-0.473	0.187	0.291	0.194	0.102	1.933
K3S-305_K3S-304	K3S-305	K3S-304	8	230.14	229.64	0.56	-0.473	0.182	0.291	0.194	0.101	1.873	-0.473	0.182	0.291	0.194	0.101	1.873
K3S-306_K3S-305	K3S-306	K3S-305	8	230.5	230.14	0.51	-0.472	0.188	0.292	0.195	0.096	1.776	-0.472	0.188	0.293	0.195	0.097	1.776
K3S-307_K3S-306	K3S-307	K3S-306	8	235	230.5	1.59	-0.472	0.060	0.292	0.195	0.096	2.456	-0.472	0.061	0.293	0.195	0.096	2.457
K3S-308_K3S-307	K3S-308	K3S-307	8	238.08	235	1.47	-0.555	0.037	0.167	0.111	0.054	2.568	-0.555	0.037	0.167	0.112	0.054	2.570
K3S-309_K3S-307	K3S-309	K3S-307	6	236.97	235	0.44	-0.389	0.095	0.223	0.111	0.042	2.078	-0.388	0.095	0.223	0.112	0.042	2.079
K3S-310_K3S-308	K3S-310	K3S-308	8	238.74	238.08	0.57	-0.529	0.094	0.207	0.138	0.054	1.627	-0.529	0.095	0.207	0.138	0.054	1.628
K3S-311_K3S-309	K3S-311	K3S-309	6	240.42	236.97	0.44	-0.396	0.092	0.208	0.104	0.040	2.128	-0.396	0.092	0.208	0.104	0.040	2.129
K3S-312_K3S-305	K3S-312	K3S-305	6	240.76	230.14	0.75	-0.308	0.006	0.385	0.192	0.004	0.304	-0.308	0.006	0.385	0.193	0.004	0.309
K3S-313_K3S-208	K3S-313	K3S-208	6	269.66	266.7	0.42	-0.456	0.016	0.089	0.044	0.007	1.228	-0.456	0.016	0.089	0.044	0.007	1.229
K3S-314_K3S-312	K3S-314	K3S-312	6	251.07	240.76	0.74	-0.473	0.006	0.054	0.027	0.004	1.578	-0.473	0.006	0.054	0.027	0.004	1.579
K3S-315_K3S-311	K3S-315	K3S-311	6	251.78	240.42	1.07	-0.398	0.035	0.204	0.102	0.037	2.692	-0.398	0.035	0.204	0.102	0.037	2.693
K3S-316_K3S-301	K3S-316	K3S-301	6	226.95	226.65	0.27	-0.239	0.386	0.522	0.261	0.105	1.728	-0.239	0.386	0.523	0.261	0.105	1.728
K3S-601_K3S-315	K3S-601	K3S-315	6	252.53	251.78	0.40	-0.421	0.055	0.159	0.079	0.022	1.696	-0.421	0.055	0.159	0.080	0.022	1.698
K3S-602_K3S-612	K3S-602	K3S-612	6	263.67	257.02	0.73	-0.470	0.004	0.059	0.030	0.003	1.097	-0.470	0.004	0.059	0.030	0.003	1.098
K3S-604_K3S-601	K3S-604	K3S-601	6	255.17	252.53	0.42	-0.421	0.039	0.158	0.079	0.016	1.422	-0.421	0.039	0.159	0.079	0.016	1.423
K3S-605_K3S-611	K3S-605	K3S-611	6	259.36	256.62	0.59	-0.450	0.016	0.099	0.050	0.009	1.584	-0.450	0.016	0.100	0.050	0.010	1.584
K3S-606_K4S-401	K3S-606	K4S-401	6	255.23	252.4	0.57	-0.430	0.012	0.139	0.070	0.007	0.917	-0.430	0.012	0.139	0.070	0.007	0.917
K3S-607_K3S-604	K3S-607	K3S-604	6	257.73	255.17	0.40	-0.433	0.027	0.135	0.067	0.011	1.204	-0.433	0.027	0.135	0.067	0.011	1.204
K3S-608_K3S-607	K3S-608	K3S-607	6	259.04	257.73	0.42	-0.444	0.016	0.113	0.057	0.007	1.009	-0.443	0.016	0.113	0.057	0.007	1.009
K3S-609_K3S-605	K3S-609	K3S-605	6	268.04	259.36	0.60	-0.456	0.009	0.088	0.044	0.005	1.196	-0.456	0.009	0.088	0.044	0.005	1.196
K3S-610_K4S-405	K3S-610	K4S-405	6	262.86	259.67	0.68	-0.438	0.014	0.124	0.062	0.009	1.365	-0.438	0.014	0.124	0.062	0.009	1.366
K3S-611_K3S-315	K3S-611	K3S-315	6	256.62	251.78	0.59	-0.436	0.021	0.127	0.064	0.012	1.548	-0.436	0.021	0.128	0.064	0.012	1.549
K3S-612_K3S-314	K3S-612	K3S-314	6	257.02	251.07	0.59	-0.470	0.007	0.060	0.030	0.004	1.348	-0.470	0.007	0.060	0.030	0.004	1.349
K4S-101_K4S-104	K4S-101	K4S-104	6	268.25	266.08	0.40	-0.464	0.003	0.072	0.036	0.001	0.475	-0.464	0.003	0.072	0.036	0.001	0.475
K4S-102_K3S-310	K4S-102	K3S-310	8	240	238.74	0.56	-0.529	0.093	0.207	0.138	0.052	1.552	-0.529	0.094	0.207	0.138	0.052	1.553
K4S-103_K4S-102	K4S-103	K4S-102	6	244.99	240	0.89	-0.363	0.036	0.274	0.137	0.032	1.742	-0.363	0.036	0.274	0.137	0.032	1.743
K4S-104_J4S-100	K4S-104	J4S-100	6	266.08	264.34	0.40	-0.455	0.010	0.091	0.045	0.004	0.849	-0.455	0.010	0.091	0.045	0.004	0.849
K4S-201_J4S-506	K4S-201	J4S-506	6	257.13	243.56	0.88	-0.458	0.003	0.084	0.042	0.003	0.864	-0.458	0.003	0.085	0.042	0.003	0.864
K4S-202_K4S-207	K4S-202	K4S-207	6	273.04	266.52	0.72	-0.461	0.006	0.079	0.039	0.004	1.158	-0.461	0.006	0.079	0.040	0.004	1.159
K4S-203_J4S-504	K4S-203	J4S-504	6	285.46	262.93	0.95	-0.451	0.008	0.098	0.049	0.008	1.642	-0.451	0.008	0.098	0.049	0.008	1.643

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K4S-204_K4S-203	K4S-204	K4S-203	6	289.32	285.46	0.52	-0.460	0.013	0.081	0.040	0.007	1.440	-0.460	0.013	0.081	0.040	0.007	1.441
K4S-205_K4S-204	K4S-205	K4S-204	6	292.31	289.32	0.52	-0.460	0.011	0.080	0.040	0.005	1.237	-0.460	0.011	0.080	0.040	0.005	1.237
K4S-206_K4S-205	K4S-206	K4S-205	6	298.1	292.31	0.53	-0.464	0.008	0.072	0.036	0.004	1.112	-0.464	0.008	0.072	0.036	0.004	1.112
K4S-207_J4S-505	K4S-207	J4S-505	6	266.52	263.94	0.55	-0.452	0.013	0.097	0.048	0.007	1.285	-0.452	0.013	0.097	0.048	0.007	1.286
K4S-301_J4S-604	K4S-301	J4S-604	6	227.74	221.11	0.55	-0.227	0.047	0.546	0.273	0.026	0.657	-0.227	0.047	0.547	0.273	0.026	0.657
K4S-302_J4S-604	K4S-302	J4S-604	6	222.1	221.11	0.42	-0.227	0.139	0.546	0.273	0.058	1.216	-0.227	0.139	0.547	0.273	0.058	1.216
K4S-303_K4S-302	K4S-303	K4S-302	6	238.09	222.1	0.95	-0.369	0.011	0.261	0.131	0.011	0.763	-0.369	0.011	0.262	0.131	0.011	0.763
K4S-304_K4S-303	K4S-304	K4S-303	6	253.39	238.09	1.21	-0.463	0.004	0.074	0.037	0.005	1.557	-0.463	0.004	0.074	0.037	0.005	1.558
K4S-305_K4S-307	K4S-305	K4S-307	6	256.69	251.37	0.63	-0.434	0.005	0.133	0.066	0.003	0.507	-0.434	0.005	0.133	0.067	0.003	0.507
K4S-306_K4S-304	K4S-306	K4S-304	6	266.16	253.39	0.97	-0.477	0.001	0.046	0.023	0.001	0.706	-0.477	0.001	0.046	0.023	0.001	0.707
K4S-307_K5S-108	K4S-307	K5S-108	6	251.37	250.34	0.28	-0.426	0.038	0.147	0.074	0.011	0.990	-0.426	0.038	0.148	0.074	0.011	0.990
K4S-308_K4S-312	K4S-308	K4S-312	6	288.96	286.99	0.33	-0.437	0.017	0.126	0.063	0.006	0.779	-0.437	0.018	0.126	0.063	0.006	0.779
K4S-310_K4S-506	K4S-310	K4S-506	6	267.49	256.34	1.08	-0.472	0.001	0.056	0.028	0.001	0.583	-0.472	0.001	0.056	0.028	0.001	0.584
K4S-311_K4S-604	K4S-311	K4S-604	6	265.22	262.59	0.34	-0.433	0.020	0.134	0.067	0.007	0.824	-0.433	0.020	0.135	0.067	0.007	0.824
K4S-312_K4S-605	K4S-312	K4S-605	6	286.99	284.35	0.40	-0.437	0.034	0.127	0.063	0.014	1.467	-0.437	0.034	0.127	0.063	0.014	1.468
K4S-313_K5S-108	K4S-313	K5S-108	6	269.61	250.34	1.05	-0.426	0.026	0.147	0.074	0.027	2.849	-0.426	0.026	0.148	0.074	0.027	2.851
K4S-314_K4S-301	K4S-314	K4S-301	6	247.67	227.74	0.96	-0.427	0.022	0.147	0.073	0.021	2.291	-0.427	0.022	0.147	0.073	0.021	2.292
K4S-401_K4S-103	K4S-401	K4S-103	6	252.4	244.99	0.69	-0.430	0.042	0.140	0.070	0.029	2.706	-0.430	0.042	0.140	0.070	0.029	2.708
K4S-402_K4S-413	K4S-402	K4S-413	6	269.64	248.97	1.16	-0.443	0.016	0.114	0.057	0.018	2.740	-0.443	0.016	0.114	0.057	0.018	2.742
K4S-403_K4S-401	K4S-403	K4S-401	6	256.32	252.4	0.56	-0.430	0.037	0.139	0.070	0.021	2.025	-0.430	0.037	0.139	0.070	0.021	2.026
K4S-404_K4S-403	K4S-404	K4S-403	6	257.68	256.32	0.40	-0.430	0.042	0.139	0.070	0.017	1.549	-0.430	0.042	0.139	0.070	0.017	1.551
K4S-405_K4S-404	K4S-405	K4S-404	6	259.67	257.68	0.42	-0.431	0.033	0.139	0.069	0.014	1.396	-0.431	0.033	0.139	0.070	0.014	1.397
K4S-406_K4S-405	K4S-406	K4S-405	6	260.88	259.67	0.42	-0.438	0.010	0.124	0.062	0.004	0.657	-0.438	0.010	0.124	0.062	0.004	0.657
K4S-407_K4S-406	K4S-407	K4S-406	6	262.96	260.88	0.62	-0.465	0.002	0.071	0.035	0.001	0.548	-0.465	0.002	0.071	0.035	0.001	0.548
K4S-408_K4S-409	K4S-408	K4S-409	6	280.09	278.57	0.41	-0.446	0.003	0.109	0.054	0.001	0.315	-0.446	0.003	0.109	0.054	0.001	0.315
K4S-409_K4S-402	K4S-409	K4S-402	6	278.57	269.64	0.67	-0.446	0.025	0.109	0.055	0.017	2.237	-0.446	0.025	0.109	0.055	0.017	2.239
K4S-410_K4S-409	K4S-410	K4S-409	6	279.55	278.57	0.31	-0.425	0.049	0.151	0.075	0.015	1.264	-0.425	0.049	0.151	0.075	0.015	1.265
K4S-411_K4S-410	K4S-411	K4S-410	6	285.24	279.55	0.68	-0.425	0.010	0.150	0.075	0.007	0.892	-0.425	0.010	0.151	0.075	0.007	0.892
K4S-412_K4S-410	K4S-412	K4S-410	6	283.97	279.55	0.65	-0.425	0.009	0.150	0.075	0.005	0.741	-0.425	0.009	0.151	0.075	0.005	0.741
K4S-413_K4S-102	K4S-413	K4S-102	6	248.97	240	0.72	-0.363	0.028	0.274	0.137	0.020	1.137	-0.363	0.028	0.274	0.137	0.020	1.137
K4S-501_K4S-601	K4S-501	K4S-601	6	254.52	252.96	0.28	-0.402	0.084	0.195	0.098	0.024	1.375	-0.402	0.084	0.195	0.098	0.024	1.376
K4S-502_K4S-501	K4S-502	K4S-501	6	256.09	254.52	0.28	-0.403	0.072	0.195	0.097	0.020	1.235	-0.403	0.072	0.195	0.098	0.020	1.235
K4S-503_K4S-502	K4S-503	K4S-502	6	271.56	256.09	0.90	-0.410	0.016	0.181	0.091	0.014	1.416	-0.409	0.016	0.181	0.091	0.014	1.417
K4S-504_K4S-503	K4S-504	K4S-503	6	273.15	271.56	0.88	-0.456	0.014	0.088	0.044	0.012	2.323	-0.456	0.014	0.088	0.044	0.012	2.324
K4S-505_K4S-612	K4S-505	K4S-612	6	278.44	253.03	1.05	-0.387	0.014	0.227	0.114	0.014	1.143	-0.386	0.014	0.227	0.114	0.014	1.144
K4S-506_K4S-617	K4S-506	K4S-617	6	256.34	253.35	0.48	-0.469	0.006	0.063	0.031	0.003	0.958	-0.469	0.006	0.063	0.031	0.003	0.958
K4S-601_K4S-602	K4S-601	K4S-602	6	252.96	252.67	0.31	-0.399	0.079	0.203	0.101	0.025	1.405	-0.399	0.079	0.203	0.102	0.025	1.406
K4S-602_K4S-603	K4S-602	K4S-603	6	252.67	252.34	0.29	-0.388	0.089	0.223	0.112	0.026	1.312	-0.388	0.089	0.223	0.112	0.026	1.313
K4S-603_K4S-610	K4S-603	K4S-610	6	252.34	251.49	0.28	-0.385	0.109	0.230	0.115	0.031	1.439	-0.385	0.110	0.230	0.115	0.031	1.439
K4S-604_K4S-607	K4S-604	K4S-607	6	262.59	259.65	0.40	-0.433	0.039	0.135	0.068	0.016	1.528	-0.433	0.039	0.135	0.068	0.016	1.529
K4S-605_K4S-313	K4S-605	K4S-313	6	284.35	269.61	1.22	-0.445	0.018	0.111	0.055	0.021	3.182	-0.445	0.018	0.111	0.056	0.021	3.184
K4S-606_K4S-605	K4S-606	K4S-605	6	291.02	284.35	1.05	-0.454	0.004	0.092	0.046	0.004	1.030	-0.454	0.004	0.092	0.046	0.004	1.031
K4S-607_K4S-608	K4S-607	K4S-608	6	259.65	249.7	0.75	-0.233	0.026	0.534	0.267	0.020	0.578	-0.233	0.026	0.535	0.267	0.020	0.578
K4S-608_K4S-615	K4S-608	K4S-615	6	249.7	248.22	0.28	-0.226	0.561	0.548	0.274	0.159	2.271	-0.226	0.562	0.548	0.274	0.159	2.272
K4S-609_K4S-608	K4S-609	K4S-608	6	250.17	249.7	0.28	-0.233	0.301	0.534	0.267	0.085	1.474	-0.233	0.301	0.535	0.267	0.085	1.474
K4S-610_K4S-609	K4S-610	K4S-609	6	251.49	250.17	0.28	-0.304	0.117	0.392	0.196	0.033	0.969	-0.304	0.118	0.393	0.196	0.033	0.969
K4S-611_K4S-609	K4S-611	K4S-609	6	251.92	250.17	0.28	-0.304	0.167	0.392	0.196	0.047	1.252	-0.304	0.167	0.393	0.196	0.047	1.253
K4S-612_K4S-611	K4S-612	K4S-611	6	253.03	251.92	0.38	-0.363	0.112	0.275	0.137	0.043	1.712	-0.363	0.113	0.275	0.138	0.043	1.713
K4S-613_K4S-612	K4S-613	K4S-612	6	256.63	253.03	0.42	-0.387	0.056	0.227	0.114	0.023	1.352	-0.386	0.056	0.227	0.114	0.023	1.353
K4S-614_K4S-608	K4S-614	K4S-608	6	251.4	249.7	0.28	-0.233	0.185	0.534	0.267	0.053	1.051	-0.233	0.186	0.535	0.267	0.053	1.051
K4S-615_K5S-412	K4S-615	K5S-412	6	248.22	246.75	0.28	-0.226	0.584	0.548	0.274	0.165	2.373	-0.226	0.585	0.548	0.274	0.165	2.374



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K4S-616_K4S-614	K4S-616	K4S-614	6	251.92	251.4	0.31	-0.355	0.160	0.289	0.145	0.050	1.730	-0.355	0.160	0.290	0.145	0.050	1.730
K4S-617_K4S-603	K4S-617	K4S-603	6	253.35	252.34	0.40	-0.388	0.008	0.223	0.112	0.003	0.269	-0.388	0.008	0.223	0.112	0.003	0.269
K5S-101_J5S-401	K5S-101	J5S-401	6	225.81	224.38	0.31	-0.427	0.046	0.146	0.073	0.014	1.244	-0.427	0.046	0.146	0.073	0.014	1.244
K5S-102_K5S-114	K5S-102	K5S-114	6	227.29	225.56	0.31	-0.172	0.766	0.656	0.328	0.237	2.828	-0.172	0.766	0.656	0.328	0.237	2.826
K5S-103_K4S-302	K5S-103	K4S-302	6	238.01	222.1	0.87	-0.369	0.053	0.261	0.131	0.046	2.402	-0.369	0.053	0.262	0.131	0.046	2.404
K5S-104_K5S-101	K5S-104	K5S-101	6	229.1	225.81	0.36	-0.428	0.031	0.145	0.073	0.011	1.111	-0.427	0.031	0.145	0.073	0.011	1.112
K5S-105_K5S-104	K5S-105	K5S-104	6	230.57	229.1	0.36	-0.440	0.028	0.120	0.060	0.010	1.193	-0.440	0.028	0.121	0.060	0.010	1.194
K5S-106_K5S-105	K5S-106	K5S-105	6	230.93	230.57	0.40	-0.443	0.025	0.115	0.057	0.010	1.274	-0.443	0.025	0.115	0.057	0.010	1.275
K5S-107_K5S-102	K5S-107	K5S-102	6	229.5	227.29	0.31	-0.172	0.731	0.656	0.328	0.230	2.651	-0.172	0.731	0.656	0.328	0.230	2.650
K5S-108_K5S-103	K5S-108	K5S-103	6	250.34	238.01	0.83	-0.422	0.047	0.156	0.078	0.039	3.231	-0.422	0.047	0.157	0.078	0.039	3.232
K5S-109_K5S-110	K5S-109	K5S-110	6	244.2	240.63	0.47	-0.461	0.012	0.079	0.039	0.006	1.262	-0.461	0.012	0.079	0.040	0.006	1.263
K5S-110_K5S-112	K5S-110	K5S-112	6	240.63	232.93	1.00	-0.430	0.013	0.140	0.070	0.013	1.679	-0.430	0.013	0.140	0.070	0.013	1.680
K5S-111_K5S-110	K5S-111	K5S-110	6	242.16	240.63	0.40	-0.461	0.010	0.079	0.039	0.004	0.911	-0.461	0.010	0.079	0.040	0.004	0.911
K5S-112_K5S-113	K5S-112	K5S-113	6	232.93	231.66	0.44	-0.186	0.038	0.627	0.314	0.017	0.546	-0.186	0.038	0.627	0.314	0.017	0.546
K5S-113_K5S-107	K5S-113	K5S-107	6	231.66	229.5	0.31	-0.183	0.719	0.635	0.317	0.223	2.639	-0.183	0.719	0.635	0.317	0.222	2.639
K5S-114_J5S-402	K5S-114	J5S-402	6	225.56	220.8	0.63	-0.151	0.383	0.698	0.349	0.242	3.277	-0.151	0.383	0.698	0.349	0.242	3.274
K5S-201_J5S-518	K5S-201	J5S-518	6	218.37	213.28	0.56	-0.389	0.042	0.223	0.111	0.024	1.518	-0.389	0.042	0.223	0.112	0.024	1.519
K5S-202_K5S-205	K5S-202	K5S-205	6	225.65	224.65	0.38	-0.444	0.016	0.112	0.056	0.006	0.894	-0.444	0.016	0.112	0.056	0.006	0.895
K5S-203_K5S-204	K5S-203	K5S-204	6	233.03	231.41	0.74	-0.481	0.003	0.038	0.019	0.002	1.245	-0.481	0.003	0.038	0.019	0.002	1.246
K5S-204_K5S-202	K5S-204	K5S-202	6	231.41	225.65	0.77	-0.457	0.003	0.087	0.044	0.002	0.598	-0.457	0.003	0.087	0.044	0.002	0.598
K5S-205_K5S-206	K5S-205	K5S-206	6	224.65	224.33	0.34	-0.431	0.026	0.138	0.069	0.009	0.961	-0.431	0.026	0.139	0.069	0.009	0.962
K5S-206_K5S-207	K5S-206	K5S-207	6	224.33	222.06	0.31	-0.430	0.042	0.139	0.070	0.013	1.209	-0.430	0.042	0.140	0.070	0.013	1.209
K5S-207_K5S-201	K5S-207	K5S-201	6	222.06	218.37	0.47	-0.430	0.042	0.140	0.070	0.020	1.847	-0.430	0.042	0.140	0.070	0.020	1.848
K5S-208_K5S-301	K5S-208	K5S-301	6	221.98	217.82	0.56	-0.454	0.005	0.093	0.046	0.003	0.712	-0.454	0.005	0.093	0.046	0.003	0.712
K5S-209_K5S-207	K5S-209	K5S-207	6	230.91	222.06	0.82	-0.430	0.005	0.139	0.070	0.004	0.642	-0.430	0.005	0.140	0.070	0.004	0.642
K5S-210_K5S-206	K5S-210	K5S-206	6	231.1	224.33	0.81	-0.431	0.001	0.138	0.069	0.001	0.288	-0.431	0.001	0.139	0.069	0.001	0.288
K5S-211_K5S-106	K5S-211	K5S-106	6	235.01	230.93	0.47	-0.446	0.017	0.108	0.054	0.008	1.208	-0.446	0.017	0.109	0.054	0.008	1.209
K5S-212_K5S-213	K5S-212	K5S-213	6	232.06	227.92	0.40	-0.452	0.007	0.097	0.048	0.003	0.631	-0.452	0.007	0.097	0.049	0.003	0.632
K5S-213_K5S-304	K5S-213	K5S-304	6	227.92	218.61	0.59	-0.408	0.020	0.185	0.092	0.012	1.072	-0.408	0.020	0.185	0.092	0.012	1.072
K5S-214_J5S-508	K5S-214	J5S-508	6	225.26	219.57	0.69	-0.449	0.007	0.102	0.051	0.005	0.996	-0.449	0.007	0.103	0.051	0.005	0.996
K5S-301_K5S-302	K5S-301	K5S-302	6	217.82	213.39	0.49	-0.380	0.018	0.239	0.120	0.009	0.632	-0.380	0.018	0.240	0.120	0.009	0.632
K5S-302_K5S-303	K5S-302	K5S-303	6	213.39	209.36	0.40	-0.377	0.127	0.246	0.123	0.051	2.124	-0.377	0.127	0.247	0.123	0.051	2.125
K5S-303_K6S-109	K5S-303	K6S-109	6	209.36	205.05	0.44	-0.129	0.134	0.743	0.371	0.059	0.988	-0.129	0.134	0.742	0.371	0.059	0.993
K5S-304_K5S-302	K5S-304	K5S-302	6	218.61	213.39	0.47	-0.380	0.075	0.239	0.120	0.035	1.804	-0.380	0.075	0.240	0.120	0.036	1.806
K5S-305_K5S-304	K5S-305	K5S-304	6	222.96	218.61	0.50	-0.408	0.006	0.185	0.092	0.003	0.335	-0.408	0.006	0.185	0.092	0.003	0.335
K5S-306_K6S-115	K5S-306	K6S-115	6	215.41	209.13	0.63	-0.295	0.008	0.411	0.205	0.005	0.584	-0.295	0.008	0.410	0.205	0.005	0.585
K5S-307_K6S-120	K5S-307	K6S-120	6	205.82	204.05	0.28	-0.144	0.198	0.711	0.356	0.056	0.835	-0.145	0.198	0.711	0.356	0.056	0.837
K5S-401_K5S-211	K5S-401	K5S-211	6	237.9	235.01	0.40	-0.455	0.015	0.089	0.045	0.006	1.087	-0.455	0.015	0.089	0.045	0.006	1.087
K5S-402_K5S-405	K5S-402	K5S-405	6	244.85	236.1	1.02	-0.274	0.002	0.452	0.226	0.002	0.353	-0.274	0.002	0.452	0.226	0.002	0.353
K5S-403_K5S-406	K5S-403	K5S-406	6	248.91	245.82	0.40	-0.455	0.007	0.091	0.046	0.003	0.616	-0.455	0.007	0.091	0.046	0.003	0.617
K5S-404_K5S-113	K5S-404	K5S-113	6	235.4	231.66	0.47	-0.186	0.423	0.627	0.314	0.200	2.846	-0.186	0.423	0.627	0.314	0.200	2.846
K5S-405_K5S-404	K5S-405	K5S-404	6	236.1	235.4	0.47	-0.273	0.419	0.454	0.227	0.196	3.523	-0.273	0.419	0.454	0.227	0.196	3.523
K5S-406_K5S-408	K5S-406	K5S-408	6	245.82	244.08	0.40	-0.305	0.016	0.389	0.195	0.007	0.543	-0.305	0.017	0.390	0.195	0.007	0.543
K5S-407_K5S-405	K5S-407	K5S-405	6	239.5	236.1	0.52	-0.274	0.365	0.452	0.226	0.190	3.603	-0.274	0.365	0.452	0.226	0.191	3.603
K5S-408_K5S-407	K5S-408	K5S-407	6	244.08	239.5	0.58	-0.291	0.321	0.418	0.209	0.186	3.868	-0.291	0.321	0.418	0.209	0.186	3.868
K5S-409_K5S-408	K5S-409	K5S-408	6	244.41	244.08	0.25	-0.203	0.698	0.594	0.297	0.177	2.429	-0.203	0.699	0.595	0.297	0.177	2.429
K5S-410_K5S-409	K5S-410	K5S-409	6	245.26	244.41	0.31	-0.203	0.566	0.594	0.297	0.175	2.349	-0.203	0.566	0.595	0.297	0.175	2.349
K5S-411_K5S-410	K5S-411	K5S-410	6	245.63	245.26	0.31	-0.229	0.550	0.543	0.271	0.172	2.489	-0.228	0.551	0.543	0.272	0.173	2.489
K5S-412_K5S-411	K5S-412	K5S-411	6	246.75	245.63	0.31	-0.235	0.552	0.531	0.266	0.171	2.507	-0.234	0.553	0.532	0.266	0.171	2.508
K5S-413_K5S-506	K5S-413	K5S-506	8	237.82	236.16	0.66	-0.475	0.138	0.288	0.192	0.091	1.861	-0.475	0.138	0.288	0.192	0.091	1.861
K5S-414_K5S-413	K5S-414	K5S-413	8	237.8	237.82	0.11	-0.379	0.788	0.432	0.288	0.087	1.273	-0.379	0.788	0.432	0.288	0.087	1.274

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K5S-415_K5S-414	K5S-415	K5S-414	8	238.32	237.8	0.55	-0.379	0.149	0.432	0.288	0.082	1.157	-0.379	0.150	0.432	0.288	0.083	1.157
K5S-416_K5S-415	K5S-416	K5S-415	8	238.5	238.32	0.37	-0.464	0.213	0.305	0.203	0.079	1.461	-0.463	0.213	0.305	0.203	0.079	1.461
K5S-417_K5S-416	K5S-417	K5S-416	8	238.6	238.5	0.19	-0.413	0.367	0.381	0.254	0.070	1.028	-0.412	0.367	0.381	0.254	0.070	1.028
K5S-418_K5S-417	K5S-418	K5S-417	8	238.68	238.6	0.42	-0.413	0.155	0.381	0.254	0.066	0.938	-0.412	0.156	0.381	0.254	0.066	0.938
K5S-419_K5S-416	K5S-419	K5S-416	6	240.06	238.5	0.34	-0.297	0.023	0.406	0.203	0.008	0.438	-0.297	0.023	0.407	0.203	0.008	0.438
K5S-420_K4S-313	K5S-420	K4S-313	6	272.78	269.61	0.54	-0.445	0.002	0.111	0.055	0.001	0.244	-0.445	0.002	0.111	0.056	0.001	0.244
K5S-501_K5S-514	K5S-501	K5S-514	6	238.1	237.12	0.36	-0.449	0.016	0.102	0.051	0.006	0.941	-0.449	0.016	0.102	0.051	0.006	0.941
K5S-502_K5S-504	K5S-502	K5S-504	8	234.56	233.6	0.54	-0.459	0.210	0.311	0.207	0.113	1.984	-0.459	0.210	0.311	0.207	0.113	1.984
K5S-503_K5S-607	K5S-503	K5S-607	6	232.52	227.76	0.54	-0.456	0.005	0.088	0.044	0.003	0.737	-0.456	0.005	0.089	0.044	0.003	0.737
K5S-504_K5S-508	K5S-504	K5S-508	8	233.6	231.64	0.78	-0.237	0.151	0.644	0.429	0.119	1.162	-0.237	0.151	0.644	0.429	0.119	1.162
K5S-505_K5S-506	K5S-505	K5S-506	6	237.16	236.16	0.42	-0.308	0.011	0.384	0.192	0.005	0.378	-0.308	0.011	0.384	0.192	0.005	0.378
K5S-506_K5S-502	K5S-506	K5S-502	8	236.16	234.56	0.55	-0.459	0.181	0.311	0.207	0.099	1.744	-0.459	0.181	0.311	0.207	0.099	1.744
K5S-507_K5S-511	K5S-507	K5S-511	6	237.06	234.77	0.42	-0.443	0.014	0.114	0.057	0.006	0.901	-0.443	0.014	0.115	0.057	0.006	0.901
K5S-508_K5S-509	K5S-508	K5S-509	8	231.64	231.62	0.08	-0.237	1.758	0.644	0.429	0.134	1.250	-0.237	1.756	0.644	0.429	0.134	1.249
K5S-509_K5S-606	K5S-509	K5S-606	8	231.62	230.38	0.55	-0.385	0.360	0.423	0.282	0.197	2.206	-0.385	0.360	0.423	0.282	0.197	2.206
K5S-510_K5S-509	K5S-510	K5S-509	6	234.82	231.62	0.42	-0.224	0.139	0.552	0.276	0.058	1.240	-0.224	0.139	0.553	0.276	0.058	1.239
K5S-511_K5S-508	K5S-511	K5S-508	6	234.77	231.64	0.42	-0.071	0.028	0.859	0.429	0.012	0.251	-0.071	0.028	0.859	0.429	0.012	0.251
K5S-512_L5S-201	K5S-512	L5S-201	6	242.24	240.85	0.28	-0.409	0.052	0.182	0.091	0.015	1.042	-0.409	0.052	0.182	0.091	0.015	1.043
K5S-513_K5S-512	K5S-513	K5S-512	6	243.23	242.24	0.28	-0.423	0.017	0.154	0.077	0.005	0.543	-0.423	0.017	0.155	0.077	0.005	0.543
K5S-514_K5S-502	K5S-514	K5S-502	6	237.12	234.56	0.40	-0.293	0.022	0.415	0.207	0.009	0.423	-0.293	0.022	0.415	0.207	0.009	0.424
K5S-601_K5S-304	K5S-601	K5S-304	6	221.12	218.61	0.38	-0.408	0.038	0.185	0.092	0.014	1.112	-0.408	0.038	0.185	0.092	0.014	1.113
K5S-602_K6S-420	K5S-602	K6S-420	6	219.5	209.76	0.64	-0.138	0.008	0.723	0.362	0.005	0.302	-0.139	0.008	0.723	0.361	0.005	0.304
K5S-603_K5S-604	K5S-603	K5S-604	6	234.93	228.45	0.61	-0.456	0.006	0.088	0.044	0.004	0.951	-0.456	0.006	0.088	0.044	0.004	0.951
K5S-604_K5S-605	K5S-604	K5S-605	6	228.45	219.35	0.64	-0.444	0.016	0.112	0.056	0.010	1.562	-0.444	0.016	0.112	0.056	0.010	1.563
K5S-605_K6S-404	K5S-605	K6S-404	6	219.35	210.23	0.65	-0.151	0.027	0.697	0.349	0.017	0.790	-0.152	0.027	0.697	0.348	0.017	0.791
K5S-606_L5S-315	K5S-606	L5S-315	8	230.38	229.12	0.55	-0.339	0.374	0.492	0.328	0.204	2.011	-0.339	0.374	0.492	0.328	0.204	2.011
K5S-607_K5S-601	K5S-607	K5S-601	6	227.76	221.12	0.66	-0.434	0.016	0.133	0.066	0.011	1.390	-0.434	0.016	0.133	0.067	0.011	1.390
K6P-305_K6S-303	K6P-305	K6S-303	6	195.69	193.22	0.72	0.829	0.230	2.657	1.329	0.166	1.286	0.864	0.234	2.728	1.364	0.169	1.308
K6P-401_K6S-512	K6P-401	K6S-512	6	213.96	213.49	0.22	-0.435	0.028	0.131	0.065	0.006	0.677	-0.435	0.028	0.131	0.066	0.006	0.677
K6P-402_K6P-401	K6P-402	K6P-401	6	214.14	213.96	0.22	-0.443	0.013	0.114	0.057	0.003	0.465	-0.443	0.013	0.114	0.057	0.003	0.465
K6P-403_K6S-416	K6P-403	K6S-416	6	206.31	205.89	0.22	-0.444	0.027	0.112	0.056	0.006	0.847	-0.444	0.027	0.112	0.056	0.006	0.848
K6S-101_K6S-102	K6S-101	K6S-102	6	197.46	196.25	0.28	-0.454	0.004	0.092	0.046	0.001	0.267	-0.454	0.004	0.092	0.046	0.001	0.267
K6S-102_K6S-103	K6S-102	K6S-103	6	196.25	195.42	0.28	-0.419	0.017	0.163	0.081	0.005	0.521	-0.419	0.017	0.163	0.081	0.005	0.521
K6S-103_K6S-104	K6S-103	K6S-104	6	195.42	194.97	0.30	-0.408	0.057	0.183	0.092	0.017	1.149	-0.408	0.057	0.184	0.092	0.017	1.150
K6S-104_K6S-105	K6S-104	K6S-105	6	194.97	193.75	0.28	-0.401	0.074	0.198	0.099	0.021	1.236	-0.401	0.074	0.198	0.099	0.021	1.236
K6S-105_J6S-412	K6S-105	J6S-412	6	193.75	189.56	0.44	-0.364	0.087	0.272	0.136	0.038	1.663	-0.364	0.087	0.272	0.136	0.038	1.664
K6S-106_K6S-107	K6S-106	K6S-107	6	203.25	199.84	0.40	-0.449	0.012	0.102	0.051	0.005	0.863	-0.449	0.012	0.102	0.051	0.005	0.864
K6S-107_K6S-108	K6S-107	K6S-108	6	199.84	196.77	0.40	-0.445	0.022	0.110	0.055	0.009	1.225	-0.445	0.022	0.110	0.055	0.009	1.226
K6S-108_K6S-105	K6S-108	K6S-105	6	196.77	193.75	0.50	-0.401	0.025	0.198	0.099	0.013	1.031	-0.401	0.025	0.198	0.099	0.013	1.032
K6S-109_K6S-120	K6S-109	K6S-120	15	205.05	204.05	2.07	-0.879	0.192	0.297	0.371	0.397	2.086	-0.879	0.192	0.297	0.371	0.397	2.085
K6S-110_K6S-111	K6S-110	K6S-111	6	208.01	201	0.74	-0.458	0.007	0.085	0.042	0.005	1.273	-0.458	0.007	0.085	0.042	0.005	1.273
K6S-111_K6S-112	K6S-111	K6S-112	6	201	198.95	0.49	-0.452	0.015	0.096	0.048	0.007	1.266	-0.452	0.015	0.096	0.048	0.007	1.267
K6S-112_K6S-113	K6S-112	K6S-113	6	198.95	197.47	0.51	-0.429	0.019	0.143	0.071	0.010	1.140	-0.429	0.019	0.143	0.071	0.010	1.141
K6S-113_K6S-114	K6S-113	K6S-114	6	197.47	195.96	0.31	-0.340	0.044	0.320	0.160	0.014	0.611	-0.340	0.045	0.321	0.160	0.014	0.611
K6S-114_K6S-210	K6S-114	K6S-210	6	195.96	192.12	0.44	-0.175	0.223	0.650	0.325	0.098	1.587	-0.174	0.224	0.651	0.326	0.098	1.587
K6S-115_K6S-109	K6S-115	K6S-109	15	209.13	205.05	5.76	-0.879	0.059	0.297	0.371	0.336	2.410	-0.879	0.058	0.297	0.371	0.336	2.408
K6S-116_K6S-117	K6S-116	K6S-117	6	206.21	204.45	0.59	-0.471	0.005	0.058	0.029	0.003	1.085	-0.471	0.005	0.058	0.029	0.003	1.085
K6S-117_K6S-118	K6S-117	K6S-118	6	204.45	199.45	0.60	-0.443	0.007	0.115	0.058	0.004	0.733	-0.442	0.007	0.115	0.058	0.004	0.734
K6S-118_K6S-119	K6S-118	K6S-119	6	199.45	197.7	0.31	-0.323	0.029	0.355	0.177	0.009	0.385	-0.323	0.029	0.355	0.178	0.009	0.385
K6S-119_K6S-114	K6S-119	K6S-114	6	197.7	195.96	0.28	-0.323	0.272	0.355	0.178	0.077	1.943	-0.322	0.272	0.355	0.178	0.077	1.944
K6S-120_J6S-405	K6S-120	J6S-405	15	204.05	202.49	2.57	-0.894	0.177	0.285	0.356	0.454	2.573	-0.895	0.176	0.284	0.356	0.454	2.571

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K6S-201_K6S-504	K6S-201	J6S-504	6	189.33	187.9	0.28	-0.155	0.794	0.691	0.345	0.225	2.440	-0.155	0.794	0.691	0.346	0.225	2.440
K6S-202_K6S-203	K6S-202	K6S-203	6	192.51	191.45	0.31	-0.428	0.035	0.144	0.072	0.011	1.051	-0.428	0.035	0.144	0.072	0.011	1.052
K6S-203_K6S-204	K6S-203	K6S-204	6	191.45	189.89	0.31	-0.405	0.045	0.191	0.095	0.014	0.995	-0.405	0.045	0.191	0.095	0.014	0.995
K6S-204_K6S-312	K6S-204	K6S-312	6	189.89	189.17	0.31	-0.360	0.077	0.281	0.141	0.024	1.047	-0.359	0.077	0.281	0.141	0.024	1.047
K6S-205_K6S-217	K6S-205	K6S-217	6	191.22	189.87	0.28	-0.166	0.778	0.669	0.334	0.220	2.459	-0.165	0.779	0.669	0.335	0.221	2.460
K6S-206_K6S-202	K6S-206	K6S-202	6	194.16	192.51	0.33	-0.436	0.032	0.128	0.064	0.011	1.168	-0.436	0.032	0.128	0.064	0.011	1.168
K6S-207_K6S-206	K6S-207	K6S-206	6	195.42	194.16	0.36	-0.439	0.014	0.122	0.061	0.005	0.713	-0.439	0.014	0.122	0.061	0.005	0.714
K6S-208_K6S-204	K6S-208	K6S-204	6	194.18	189.89	0.46	-0.405	0.017	0.191	0.095	0.008	0.717	-0.405	0.017	0.191	0.095	0.008	0.717
K6S-209_K6S-210	K6S-209	K6S-210	6	192.46	192.12	0.28	-0.175	0.120	0.650	0.325	0.034	0.585	-0.174	0.120	0.651	0.326	0.034	0.585
K6S-210_K6S-205	K6S-210	K6S-205	6	192.12	191.22	0.28	-0.170	0.757	0.661	0.331	0.213	2.424	-0.169	0.758	0.662	0.331	0.214	2.424
K6S-211_K6S-209	K6S-211	K6S-209	6	193.99	192.46	0.28	-0.358	0.105	0.284	0.142	0.030	1.186	-0.358	0.105	0.284	0.142	0.030	1.186
K6S-212_K6S-211	K6S-212	K6S-211	6	195.8	193.99	0.31	-0.391	0.057	0.218	0.109	0.018	1.056	-0.391	0.058	0.218	0.109	0.018	1.056
K6S-213_K6S-210	K6S-213	K6S-210	6	195.28	192.12	0.38	-0.175	0.204	0.650	0.325	0.077	1.272	-0.174	0.205	0.651	0.326	0.078	1.272
K6S-214_K6S-211	K6S-214	K6S-211	6	198.31	193.99	0.54	-0.391	0.013	0.218	0.109	0.007	0.576	-0.391	0.013	0.218	0.109	0.007	0.576
K6S-215_K6S-212	K6S-215	K6S-212	6	197.39	195.8	0.36	-0.419	0.025	0.162	0.081	0.009	0.856	-0.419	0.025	0.162	0.081	0.009	0.857
K6S-216_K6S-215	K6S-216	K6S-215	6	198.43	197.39	0.40	-0.446	0.014	0.108	0.054	0.006	0.929	-0.446	0.014	0.108	0.054	0.006	0.930
K6S-217_K6S-201	K6S-217	K6S-201	6	189.87	189.33	0.28	-0.165	0.788	0.671	0.335	0.222	2.461	-0.164	0.789	0.672	0.336	0.222	2.461
K6S-301_K6S-312	K6S-301	K6S-312	6	190.16	189.17	0.31	-0.360	0.070	0.281	0.141	0.022	0.984	-0.359	0.071	0.281	0.141	0.022	0.984
K6S-302_K6S-303	K6S-302	K6S-303	6	197.55	193.22	0.58	0.829	0.043	2.657	1.329	0.025	0.629	0.864	0.043	2.728	1.364	0.025	0.631
K6S-303_J6S-601	K6S-303	J6S-601	12	193.22	192.69	1.46	0.329	1.150	1.329	1.329	1.674	3.247	0.364	1.159	1.364	1.364	1.687	3.270
K6S-304_K6P-305	K6S-304	K6P-305	6	199	195.69	0.54	-0.309	0.309	0.382	0.191	0.166	3.734	-0.306	0.315	0.389	0.195	0.169	3.741
K6S-305_K6S-304	K6S-305	K6S-304	6	199.95	199	0.28	-0.309	0.059	0.382	0.191	0.017	0.941	-0.307	0.059	0.385	0.193	0.017	0.940
K6S-306_K6S-302	K6S-306	K6S-302	6	199.3	197.55	0.31	-0.412	0.067	0.175	0.088	0.021	1.388	-0.412	0.067	0.175	0.088	0.021	1.389
K6S-307_K6S-301	K6S-307	K6S-301	6	191.88	190.16	0.33	-0.409	0.059	0.181	0.091	0.020	1.343	-0.409	0.059	0.182	0.091	0.020	1.344
K6S-308_K6S-212	K6S-308	K6S-212	6	199.35	195.8	0.42	-0.419	0.012	0.162	0.081	0.005	0.572	-0.419	0.012	0.162	0.081	0.005	0.572
K6S-309_K6S-307	K6S-309	K6S-307	6	194.97	191.88	0.33	-0.418	0.038	0.164	0.082	0.013	1.083	-0.418	0.038	0.164	0.082	0.013	1.084
K6S-310_K6S-306	K6S-310	K6S-306	6	201.5	199.3	0.31	-0.413	0.041	0.174	0.087	0.013	1.005	-0.413	0.041	0.175	0.087	0.013	1.005
K6S-311_K6S-305	K6S-311	K6S-305	6	201.95	199.95	0.28	-0.417	0.035	0.166	0.083	0.010	0.847	-0.417	0.035	0.167	0.083	0.010	0.847
K6S-312_J6S-609	K6S-312	J6S-609	6	189.17	187.52	0.28	-0.351	0.174	0.299	0.150	0.049	1.607	-0.350	0.174	0.299	0.150	0.049	1.607
K6S-401_K6S-402	K6S-401	K6S-402	6	207.79	201.7	0.56	-0.428	0.016	0.143	0.072	0.009	1.101	-0.428	0.016	0.143	0.072	0.009	1.101
K6S-402_K6S-403	K6S-402	K6S-403	6	201.7	199.28	0.33	-0.345	0.045	0.309	0.155	0.015	0.689	-0.345	0.045	0.310	0.155	0.015	0.689
K6S-403_K6S-119	K6S-403	K6S-119	6	199.28	197.7	0.28	-0.323	0.210	0.355	0.177	0.059	1.604	-0.323	0.210	0.355	0.178	0.059	1.605
K6S-404_K6S-420	K6S-404	K6S-420	15	210.23	209.76	1.92	-0.888	0.170	0.289	0.362	0.325	1.743	-0.889	0.170	0.289	0.361	0.325	1.742
K6S-405_K6S-406	K6S-405	K6S-406	6	207.11	202.25	0.49	-0.401	0.012	0.198	0.099	0.006	0.553	-0.401	0.012	0.199	0.099	0.006	0.553
K6S-406_K6S-407	K6S-406	K6S-407	6	202.25	200.76	0.28	-0.379	0.087	0.243	0.121	0.025	1.180	-0.378	0.087	0.243	0.122	0.025	1.181
K6S-407_K6S-403	K6S-407	K6S-403	6	200.76	199.28	0.28	-0.345	0.131	0.309	0.155	0.037	1.288	-0.345	0.131	0.310	0.155	0.037	1.289
K6S-408_K6S-504	K6S-408	K6S-504	6	201.97	198.6	0.55	-0.384	0.005	0.231	0.116	0.003	0.275	-0.384	0.005	0.232	0.116	0.003	0.276
K6S-409_K6S-407	K6S-409	K6S-407	6	203.31	200.76	0.44	-0.379	0.023	0.243	0.121	0.010	0.673	-0.378	0.023	0.243	0.122	0.010	0.673
K6S-410_K6S-406	K6S-410	K6S-406	6	204.4	202.25	0.33	-0.401	0.032	0.198	0.099	0.011	0.817	-0.401	0.032	0.199	0.099	0.011	0.818
K6S-411_K6S-404	K6S-411	K6S-404	15	210.67	210.23	1.91	-0.901	0.160	0.279	0.349	0.306	1.719	-0.902	0.160	0.279	0.348	0.305	1.718
K6S-412_K6S-411	K6S-412	K6S-411	15	210.95	210.67	1.88	-0.910	0.162	0.272	0.340	0.306	1.761	-0.910	0.162	0.272	0.340	0.306	1.761
K6S-413_K6S-410	K6S-413	K6S-410	6	206.48	204.4	0.33	-0.439	0.023	0.123	0.061	0.008	0.972	-0.439	0.023	0.123	0.061	0.008	0.973
K6S-414_K6P-403	K6S-414	K6P-403	6	206.6	206.31	0.22	-0.444	0.009	0.112	0.056	0.002	0.347	-0.444	0.009	0.112	0.056	0.002	0.347
K6S-415_K6P-403	K6S-415	K6P-403	6	206.37	206.31	0.17	-0.444	0.012	0.112	0.056	0.002	0.313	-0.444	0.012	0.112	0.056	0.002	0.313
K6S-416_K6S-409	K6S-416	K6S-409	6	205.89	203.31	0.40	-0.448	0.015	0.104	0.052	0.006	0.989	-0.448	0.015	0.104	0.052	0.006	0.989
K6S-417_K6P-402	K6S-417	K6P-402	6	214.41	214.14	0.22	-0.459	0.009	0.083	0.041	0.002	0.453	-0.459	0.009	0.083	0.041	0.002	0.453
K6S-418_K6P-402	K6S-418	K6P-402	6	214.18	214.14	0.32	-0.459	0.000	0.083	0.041	0.000	0.054	-0.459	0.000	0.083	0.041	0.000	0.054
K6S-419_K6P-401	K6S-419	K6P-401	6	214.05	213.96	0.21	-0.443	0.014	0.114	0.057	0.003	0.443	-0.443	0.014	0.114	0.057	0.003	0.443
K6S-420_K6S-115	K6S-420	K6S-115	15	209.76	209.13	1.82	-0.888	0.181	0.289	0.362	0.331	2.115	-0.889	0.181	0.289	0.361	0.330	2.114
K6S-501_K6S-520	K6S-501	K6S-520	6	199.01	196.9	0.31	-0.332	0.083	0.336	0.168	0.026	0.942	-0.332	0.083	0.337	0.168	0.026	0.943
K6S-502_K6S-501	K6S-502	K6S-501	6	200.27	199.01	0.28	-0.403	0.063	0.194	0.097	0.018	1.125	-0.403	0.063	0.194	0.097	0.018	1.125

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K6S-503_K6S-520	K6S-503	K6S-520	6	198.03	196.9	0.28	-0.332	0.136	0.336	0.168	0.038	1.226	-0.332	0.136	0.337	0.168	0.038	1.227
K6S-504_K6S-503	K6S-504	K6S-503	6	198.6	198.03	0.28	-0.376	0.117	0.248	0.124	0.033	1.423	-0.376	0.117	0.248	0.124	0.033	1.423
K6S-505_K6S-504	K6S-505	K6S-504	6	199.65	198.6	0.28	-0.384	0.092	0.231	0.116	0.026	1.273	-0.384	0.092	0.232	0.116	0.026	1.273
K6S-506_K6S-505	K6S-506	K6S-505	6	200.7	199.65	0.28	-0.398	0.081	0.204	0.102	0.023	1.286	-0.398	0.081	0.204	0.102	0.023	1.287
K6S-507_K6S-506	K6S-507	K6S-506	6	201.77	200.7	0.28	-0.404	0.053	0.192	0.096	0.015	1.006	-0.404	0.053	0.192	0.096	0.015	1.006
K6S-508_K6S-507	K6S-508	K6S-507	6	202.82	201.77	0.28	-0.422	0.042	0.156	0.078	0.012	1.018	-0.422	0.042	0.156	0.078	0.012	1.018
K6S-509_K6S-508	K6S-509	K6S-508	6	203.79	202.82	0.41	-0.431	0.010	0.139	0.069	0.004	0.558	-0.431	0.010	0.139	0.070	0.004	0.558
K6S-510_K6S-506	K6S-510	K6S-506	6	203.43	200.7	0.66	-0.404	0.007	0.192	0.096	0.005	0.523	-0.404	0.007	0.192	0.096	0.005	0.523
K6S-511_K6S-504	K6S-511	K6S-504	6	203.49	198.6	0.62	-0.384	0.003	0.231	0.116	0.002	0.222	-0.384	0.003	0.232	0.116	0.002	0.222
K6S-512_K6S-514	K6S-512	K6S-514	6	213.49	213.01	0.22	-0.423	0.036	0.155	0.077	0.008	0.724	-0.423	0.036	0.155	0.077	0.008	0.724
K6S-513_K6S-514	K6S-513	K6S-514	6	213.25	213.01	0.22	-0.423	0.009	0.155	0.077	0.002	0.254	-0.423	0.009	0.155	0.077	0.002	0.254
K6S-514_K6S-515	K6S-514	K6S-515	6	213.01	212.51	0.22	-0.267	0.051	0.466	0.233	0.011	0.722	-0.148	0.051	0.704	0.352	0.011	0.721
K6S-515_L6S-202	K6S-515	L6S-202	6	212.51	212.08	0.22	0.160	0.091	1.320	0.660	0.020	0.836	0.280	0.087	1.560	0.780	0.019	0.819
K6S-516_K6S-510	K6S-516	K6S-510	6	204.9	203.43	0.39	-0.470	0.005	0.061	0.031	0.002	0.699	-0.470	0.005	0.061	0.031	0.002	0.699
K6S-517_K6S-515	K6S-517	K6S-515	6	213.44	212.51	0.22	-0.267	0.014	0.466	0.233	0.003	0.266	-0.148	0.014	0.704	0.352	0.003	0.266
K6S-518_K6S-509	K6S-518	K6S-509	6	206.01	203.79	0.39	-0.465	0.005	0.070	0.035	0.002	0.627	-0.465	0.005	0.070	0.035	0.002	0.628
K6S-519_L6S-205	K6S-519	L6S-205	6	210.8	210.36	0.22	1.640	0.281	4.281	2.140	0.061	0.469	1.770	0.217	4.539	2.270	0.047	0.377
K6S-520_K6S-213	K6S-520	K6S-213	6	196.9	195.28	0.28	-0.332	0.245	0.336	0.168	0.069	1.885	-0.332	0.246	0.337	0.168	0.069	1.886
K6S-601_K7S-413	K6S-601	K7S-413	6	206.41	205.96	0.22	-0.257	0.013	0.486	0.243	0.003	0.391	-0.254	0.013	0.493	0.246	0.003	0.391
K6S-602_K6S-310	K6S-602	K6S-310	6	204.07	201.5	0.34	-0.431	0.015	0.138	0.069	0.005	0.634	-0.431	0.015	0.138	0.069	0.005	0.634
K6S-603_K6S-309	K6S-603	K6S-309	6	197.58	194.97	0.34	-0.434	0.015	0.133	0.066	0.005	0.656	-0.434	0.015	0.133	0.066	0.005	0.656
K6S-604_K6S-502	K6S-604	K6S-502	6	201.82	200.27	0.31	-0.416	0.035	0.169	0.084	0.011	0.917	-0.416	0.035	0.169	0.085	0.011	0.917
K6S-605_K6S-604	K6S-605	K6S-604	6	204.53	201.82	0.36	-0.437	0.014	0.127	0.064	0.005	0.693	-0.436	0.014	0.127	0.064	0.005	0.693
K6S-606_K6S-607	K6S-606	K6S-607	6	210.24	209.09	0.29	-0.433	0.014	0.134	0.067	0.004	0.642	-0.433	0.014	0.134	0.067	0.004	0.675
K6S-607_K7S-405	K6S-607	K7S-405	6	209.09	206.13	0.28	1.926	0.041	4.853	2.426	0.011	0.248	1.986	0.057	4.972	2.486	0.016	0.248
K6S-608_K6S-615	K6S-608	K6S-615	6	210.73	209.06	0.40	2.051	0.047	5.102	2.551	0.019	0.448	2.172	0.036	5.343	2.672	0.014	0.448
K6S-609_K6S-508	K6S-609	K6S-508	6	204.05	202.82	0.28	-0.431	0.017	0.139	0.069	0.005	0.598	-0.431	0.017	0.139	0.070	0.005	0.599
K6S-610_K6S-519	K6S-610	K6S-519	6	211.5	210.8	0.22	1.204	0.107	3.409	1.704	0.023	0.471	1.332	0.072	3.665	1.832	0.016	0.386
K6S-611_K6S-615	K6S-611	K6S-615	12	209.69	209.06	1.17	1.551	0.820	2.551	2.551	0.963	2.513	1.672	0.819	2.672	2.672	0.962	2.520
K6S-612_K6S-613	K6S-612	K6S-613	6	212.71	212.63	0.12	-0.441	0.032	0.118	0.059	0.004	0.583	-0.441	0.032	0.118	0.059	0.004	0.583
K6S-613_K6S-614	K6S-613	K6S-614	6	212.63	211.24	0.40	-0.260	0.015	0.480	0.240	0.006	1.140	-0.140	0.015	0.720	0.360	0.006	1.141
K6S-614_K6S-616	K6S-614	K6S-616	6	211.24	208.77	0.36	2.208	0.029	5.415	2.708	0.011	0.476	2.328	0.050	5.656	2.828	0.018	0.479
K6S-615_K6S-616	K6S-615	K6S-616	12	209.06	208.77	1.42	1.708	0.678	2.708	2.708	0.960	2.446	1.828	0.680	2.828	2.828	0.962	2.452
K6S-616_K6S-617	K6S-616	K6S-617	12	208.77	208.66	1.14	1.738	0.852	2.738	2.738	0.974	2.339	1.859	0.852	2.859	2.859	0.974	2.344
K6S-617_K6S-618	K6S-617	K6S-618	12	208.66	208.11	1.18	1.911	0.829	2.911	2.911	0.979	2.069	2.032	0.829	3.032	3.032	0.979	2.058
K6S-618_K7S-407	K6S-618	K7S-407	12	208.11	207.49	1.14	1.912	1.004	2.912	2.912	1.139	2.276	2.032	1.015	3.032	3.032	1.152	2.290
K6S-619_K6S-311	K6S-619	K6S-311	6	202.34	201.95	0.22	-0.437	0.018	0.127	0.063	0.004	0.513	-0.437	0.018	0.127	0.063	0.004	0.513
K7S-100_K6S-303	K7S-100	K6S-303	12	194.47	193.22	1.41	0.475	1.057	1.475	1.475	1.494	3.124	0.526	1.063	1.526	1.526	1.503	3.110
K7S-101_K7S-100	K7S-101	K7S-100	12	195.72	194.47	1.42	0.609	1.052	1.609	1.609	1.491	3.135	0.676	1.059	1.676	1.676	1.500	3.152
K7S-102_K7S-101	K7S-102	K7S-101	6	197.72	195.72	0.38	1.109	0.108	3.217	1.609	0.041	0.719	1.176	0.108	3.353	1.676	0.041	0.728
K7S-103_K7S-101	K7S-103	K7S-101	12	203.54	195.72	9.16	0.609	0.159	1.609	1.609	1.457	4.986	0.676	0.160	1.676	1.676	1.466	4.998
K7S-104_K7S-102	K7S-104	K7S-102	6	199.29	197.72	0.28	-0.380	0.127	0.240	0.120	0.036	1.552	-0.380	0.127	0.240	0.120	0.036	1.552
K7S-105_K7S-106	K7S-105	K7S-106	6	201.61	200.96	0.28	-0.254	0.013	0.491	0.246	0.004	0.305	-0.250	0.013	0.500	0.250	0.004	0.305
K7S-106_K6S-304	K7S-106	K6S-304	6	200.96	199	0.31	-0.254	0.485	0.491	0.246	0.150	2.460	-0.250	0.501	0.500	0.250	0.155	2.485
K7S-107_K7S-106	K7S-107	K7S-106	6	203.16	200.96	0.38	-0.254	0.381	0.491	0.246	0.145	2.540	-0.250	0.396	0.500	0.250	0.150	2.566
K7S-108_K7S-109	K7S-108	K7S-109	6	205.59	204.42	0.28	0.661	0.014	2.323	1.161	0.004	0.256	0.675	0.021	2.350	1.175	0.006	0.255
K7S-109_K7S-103	K7S-109	K7S-103	12	204.42	203.54	1.17	0.161	1.245	1.161	1.161	1.455	3.733	0.175	1.253	1.175	1.175	1.465	3.741
K7S-110_K7S-111	K7S-110	K7S-111	6	202.98	200.37	0.38	-0.399	0.018	0.203	0.102	0.007	0.578	-0.398	0.018	0.203	0.102	0.007	0.579
K7S-111_K7S-104	K7S-111	K7S-104	6	200.37	199.29	0.28	-0.380	0.091	0.240	0.120	0.026	1.227	-0.380	0.091	0.240	0.120	0.026	1.228
K7S-112_K7S-111	K7S-112	K7S-111	6	202.42	200.37	0.81	-0.399	0.022	0.203	0.102	0.018	1.443	-0.398	0.022	0.203	0.102	0.018	1.444
K7S-113_K7S-112	K7S-113	K7S-112	6	204.07	202.42	0.31	-0.428	0.044	0.144	0.072	0.014	1.232	-0.428	0.045	0.144	0.072	0.014	1.232

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
K7S-114_K7S-115	K7S-114	K7S-115	6	205.41	204.65	0.28	-0.250	0.027	0.501	0.250	0.008	0.633	-0.245	0.027	0.510	0.255	0.008	0.633
K7S-115_K7S-107	K7S-115	K7S-107	6	204.65	203.16	0.28	-0.250	0.502	0.501	0.250	0.142	2.336	-0.245	0.520	0.510	0.255	0.147	2.363
K7S-201_K7S-104	K7S-201	K7S-104	6	202.73	199.29	0.68	-0.380	0.009	0.240	0.120	0.006	0.482	-0.380	0.009	0.240	0.120	0.006	0.482
K7S-202_K7S-102	K7S-202	K7S-102	6	201.3	197.72	0.39	-0.388	0.003	0.224	0.112	0.001	0.141	-0.388	0.003	0.224	0.112	0.001	0.149
K7S-401_K7S-402	K7S-401	K7S-402	6	206.18	205.57	0.22	1.409	0.186	3.817	1.909	0.041	0.318	1.448	0.156	3.895	1.948	0.034	0.266
K7S-402_K7S-109	K7S-402	K7S-109	12	205.57	204.42	1.13	0.909	1.284	1.909	1.909	1.451	2.814	0.948	1.293	1.948	1.948	1.461	2.832
K7S-403_K7S-404	K7S-403	K7S-404	6	207.37	205.52	0.40	-0.450	0.012	0.099	0.050	0.005	0.881	-0.450	0.012	0.099	0.050	0.005	0.881
K7S-404_K7S-113	K7S-404	K7S-113	6	205.52	204.07	0.33	-0.429	0.021	0.143	0.071	0.007	0.786	-0.429	0.021	0.143	0.071	0.007	0.786
K7S-405_K7S-402	K7S-405	K7S-402	12	206.13	205.57	1.13	1.426	1.387	2.426	2.426	1.574	3.022	1.486	1.400	2.486	2.486	1.589	3.049
K7S-406_K7S-405	K7S-406	K7S-405	6	213.37	206.13	0.92	1.926	0.005	4.853	2.426	0.005	0.325	1.986	0.005	4.972	2.486	0.005	0.325
K7S-407_K7S-408	K7S-407	K7S-408	12	207.49	206.75	1.17	1.912	1.029	2.912	2.912	1.208	2.295	2.014	1.039	3.014	3.014	1.219	2.315
K7S-408_K7S-405	K7S-408	K7S-405	12	206.75	206.13	1.19	1.882	1.317	2.882	2.882	1.561	2.979	1.963	1.330	2.963	2.963	1.577	3.006
K7S-409_K7S-408	K7S-409	K7S-408	6	208.14	206.75	0.45	2.382	0.051	5.763	2.882	0.023	0.175	2.463	0.036	5.926	2.963	0.016	0.160
K7S-410_K7S-408	K7S-410	K7S-408	6	210.69	206.75	0.80	2.382	0.445	5.763	2.882	0.356	2.694	2.463	0.446	5.926	2.963	0.357	2.700
K7S-411_K7S-410	K7S-411	K7S-410	6	211.57	210.69	0.34	-0.081	1.029	0.839	0.419	0.350	3.297	-0.073	1.033	0.854	0.427	0.351	3.290
K7S-412_K7S-410	K7S-412	K7S-410	6	211.83	210.69	0.28	-0.177	0.031	0.645	0.323	0.009	0.387	-0.170	0.032	0.660	0.330	0.009	0.390
K7S-413_K7S-115	K7S-413	K7S-115	6	205.96	204.65	0.28	-0.250	0.475	0.501	0.250	0.134	2.158	-0.245	0.493	0.510	0.255	0.140	2.180
K7S-413_K7S-401	K7S-413	K7S-401	6	206.82	206.18	0.22	0.599	0.001	2.199	1.099	0.000	0.081	0.625	0.048	2.250	1.125	0.010	0.141
L3S-102_K4S-407	L3S-102	K4S-407	6	271.48	262.96	0.65	-0.482	0.000	0.036	0.018	0.000	0.309	-0.482	0.000	0.036	0.018	0.000	0.309
L4P-601_L4S-602	L4P-601	L4S-602	6	269.21	268.97	0.29	-0.432	0.034	0.136	0.068	0.010	0.998	-0.432	0.034	0.136	0.068	0.010	0.998
L4S-101_K4S-412	L4S-101	K4S-412	6	305.82	283.97	1.04	-0.467	0.004	0.065	0.033	0.004	1.473	-0.467	0.004	0.065	0.033	0.004	1.473
L4S-102_L3S-102	L4S-102	L3S-102	6	273.17	271.48	0.65	-0.496	0.000	0.009	0.004	0.000	0.223	-0.496	0.000	0.009	0.004	0.000	0.223
L4S-103_L4S-202	L4S-103	L4S-202	6	296.01	294.19	0.41	-0.452	0.003	0.097	0.048	0.001	0.357	-0.452	0.003	0.097	0.048	0.001	0.357
L4S-104_L4S-102	L4S-104	L4S-102	6	282.91	273.17	0.65	-0.496	0.000	0.008	0.004	0.000	0.263	-0.496	0.000	0.008	0.004	0.000	0.263
L4S-107_K4S-411	L4S-107	K4S-411	6	290.82	285.24	0.59	-0.465	0.005	0.070	0.035	0.003	0.884	-0.465	0.005	0.070	0.035	0.003	0.884
L4S-201_K4S-505	L4S-201	K4S-505	6	299.4	278.44	1.14	-0.460	0.007	0.081	0.041	0.007	1.926	-0.459	0.007	0.081	0.041	0.007	1.927
L4S-202_L4S-207	L4S-202	L4S-207	6	294.19	292.12	0.49	-0.452	0.020	0.097	0.048	0.010	1.520	-0.452	0.020	0.097	0.048	0.010	1.521
L4S-203_L4S-202	L4S-203	L4S-202	6	312.31	294.19	1.08	-0.452	0.006	0.097	0.048	0.007	1.513	-0.452	0.006	0.097	0.048	0.007	1.513
L4S-204_L4S-201	L4S-204	L4S-201	6	302.97	299.4	0.42	-0.465	0.010	0.070	0.035	0.004	1.056	-0.465	0.010	0.070	0.035	0.004	1.056
L4S-205_L4S-314	L4S-205	L4S-314	6	272	259.97	0.78	-0.431	0.010	0.138	0.069	0.008	1.087	-0.431	0.010	0.138	0.069	0.008	1.087
L4S-206_L4S-205	L4S-206	L4S-205	6	273.01	272	0.40	-0.462	0.012	0.075	0.038	0.005	1.065	-0.462	0.012	0.075	0.038	0.005	1.066
L4S-207_K4S-504	L4S-207	K4S-504	6	292.12	273.15	1.03	-0.459	0.011	0.082	0.041	0.011	2.441	-0.459	0.011	0.082	0.041	0.011	2.443
L4S-301_K4S-616	L4S-301	K4S-616	6	252.65	251.92	0.28	-0.365	0.153	0.271	0.136	0.043	1.579	-0.364	0.153	0.271	0.136	0.043	1.580
L4S-302_K4S-616	L4S-302	K4S-616	6	252.83	251.92	0.28	-0.365	0.021	0.271	0.136	0.006	0.360	-0.364	0.021	0.271	0.136	0.006	0.360
L4S-303_L4S-302	L4S-303	L4S-302	6	253.3	252.83	0.28	-0.449	0.010	0.102	0.051	0.003	0.541	-0.449	0.010	0.102	0.051	0.003	0.542
L4S-304_L4S-301	L4S-304	L4S-301	6	253.66	252.65	0.28	-0.368	0.137	0.264	0.132	0.039	1.508	-0.368	0.138	0.264	0.132	0.039	1.509
L4S-305_L4S-304	L4S-305	L4S-304	6	259.79	253.66	0.82	-0.375	0.038	0.250	0.125	0.031	1.815	-0.375	0.038	0.250	0.125	0.031	1.816
L4S-306_L4S-305	L4S-306	L4S-305	6	273.02	259.79	0.99	-0.434	0.023	0.132	0.066	0.023	2.686	-0.434	0.023	0.133	0.066	0.023	2.687
L4S-307_L4S-305	L4S-307	L4S-305	6	260.43	259.79	0.28	-0.434	0.021	0.132	0.066	0.006	0.714	-0.434	0.021	0.133	0.066	0.006	0.715
L4S-308_L4S-304	L4S-308	L4S-304	6	256.21	253.66	0.40	-0.375	0.010	0.250	0.125	0.004	0.296	-0.375	0.010	0.250	0.125	0.004	0.296
L4S-309_L5S-104	L4S-309	L5S-104	6	249.15	242.31	0.61	-0.358	0.056	0.284	0.142	0.034	1.619	-0.358	0.056	0.285	0.142	0.034	1.620
L4S-310_L4S-307	L4S-310	L4S-307	6	261.63	260.43	0.29	-0.450	0.010	0.100	0.050	0.003	0.554	-0.450	0.010	0.101	0.050	0.003	0.554
L4S-311_L4S-306	L4S-311	L4S-306	6	286.55	273.02	0.89	-0.448	0.020	0.105	0.052	0.018	2.659	-0.448	0.020	0.105	0.052	0.018	2.661
L4S-312_L4S-313	L4S-312	L4S-313	6	260.02	254.01	0.57	-0.423	0.036	0.155	0.077	0.020	1.839	-0.423	0.036	0.155	0.077	0.020	1.840
L4S-313_L4S-309	L4S-313	L4S-309	6	254.01	249.15	0.52	-0.420	0.052	0.160	0.080	0.027	2.119	-0.420	0.052	0.161	0.080	0.027	2.120
L4S-314_K4S-613	L4S-314	K4S-613	6	259.97	256.63	0.42	-0.420	0.041	0.160	0.080	0.017	1.467	-0.420	0.041	0.160	0.080	0.017	1.468
L4S-400_L4S-104	L4S-400	L4S-104	6	293.64	282.91	0.65	-0.496	0.000	0.008	0.004	0.000	0.269	-0.496	0.000	0.008	0.004	0.000	0.269
L4S-403_L4S-400	L4S-403	L4S-400	6	296.79	293.64	0.65	-0.496	0.000	0.008	0.004	0.000	0.250	-0.496	0.000	0.008	0.004	0.000	0.250
L4S-500_L4S-501	L4S-500	L4S-501	6	302.92	298.05	1.02	-0.469	0.004	0.062	0.031	0.004	1.523	-0.469	0.004	0.062	0.031	0.004	1.524
L4S-501_L4S-502	L4S-501	L4S-502	6	298.05	295.77	0.71	-0.461	0.008	0.079	0.040	0.005	1.377	-0.460	0.008	0.079	0.040	0.005	1.378
L4S-502_L4S-617	L4S-502	L4S-617	6	295.77	290.17	0.75	-0.436	0.013	0.129	0.064	0.009	1.361	-0.436	0.013	0.129	0.064	0.009	1.362

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
L4S-505_L4S-506	L4S-505	L4S-506	6	348.41	347.1	0.00	-0.496	0.000	0.007	0.004	0.000	0.145	-0.496	0.000	0.007	0.004	0.000	0.145
L4S-506_L4S-507	L4S-506	L4S-507	6	347.1	346.54	0.00	-0.496	0.000	0.007	0.004	0.000	0.159	-0.496	0.000	0.007	0.004	0.000	0.159
L4S-507_L4S-508	L4S-507	L4S-508	6	346.54	344.27	0.00	-0.497	0.000	0.006	0.003	0.000	0.178	-0.497	0.000	0.006	0.003	0.000	0.178
L4S-601_L4S-312	L4S-601	L4S-312	6	268.4	260.02	0.91	-0.436	0.015	0.129	0.065	0.013	1.831	-0.435	0.015	0.129	0.065	0.013	1.833
L4S-602_L4S-601	L4S-602	L4S-601	6	268.97	268.4	0.28	-0.432	0.040	0.136	0.068	0.011	1.112	-0.432	0.040	0.136	0.068	0.011	1.113
L4S-603_L4P-601	L4S-603	L4P-601	6	269.99	269.21	0.49	-0.437	0.018	0.127	0.063	0.009	1.150	-0.437	0.018	0.127	0.064	0.009	1.151
L4S-604_L4S-603	L4S-604	L4S-603	6	276.35	269.99	1.01	-0.453	0.007	0.094	0.047	0.007	1.534	-0.453	0.007	0.094	0.047	0.007	1.535
L4S-605_L4S-604	L4S-605	L4S-604	6	281.56	276.35	0.86	-0.471	0.005	0.058	0.029	0.004	1.466	-0.471	0.005	0.058	0.029	0.004	1.466
L4S-606_L4S-312	L4S-606	L4S-312	6	282.02	260.02	0.97	-0.436	0.005	0.129	0.065	0.005	0.856	-0.435	0.005	0.129	0.065	0.005	0.855
L4S-607_L5S-113	L4S-607	L5S-113	6	286.36	276.77	0.61	-0.350	0.057	0.300	0.150	0.035	1.566	-0.350	0.058	0.300	0.150	0.035	1.566
L4S-608_L4S-607	L4S-608	L4S-607	6	293.81	286.36	0.62	-0.419	0.050	0.162	0.081	0.031	2.417	-0.419	0.050	0.162	0.081	0.031	2.418
L4S-609_L4S-608	L4S-609	L4S-608	6	295.53	293.81	0.61	-0.425	0.045	0.151	0.075	0.028	2.362	-0.425	0.045	0.151	0.076	0.028	2.364
L4S-610_L4S-611	L4S-610	L4S-611	6	297.79	296.43	0.28	-0.420	0.048	0.159	0.080	0.014	1.092	-0.420	0.048	0.159	0.080	0.014	1.093
L4S-611_L4S-609	L4S-611	L4S-609	6	296.43	295.53	0.28	-0.420	0.055	0.159	0.080	0.016	1.222	-0.420	0.055	0.159	0.080	0.016	1.223
L4S-612_L4S-609	L4S-612	L4S-609	6	300.27	295.53	0.61	-0.428	0.008	0.145	0.072	0.005	0.703	-0.428	0.008	0.145	0.072	0.005	0.704
L4S-613_L4S-612	L4S-613	L4S-612	6	301.68	300.27	0.40	-0.465	0.010	0.070	0.035	0.004	1.006	-0.465	0.010	0.070	0.035	0.004	1.007
L4S-614_L4S-609	L4S-614	L4S-609	6	306.37	295.53	0.65	-0.428	0.007	0.145	0.072	0.005	0.704	-0.428	0.007	0.145	0.072	0.005	0.704
L4S-615_L5S-401	L4S-615	L5S-401	6	305.11	292.67	0.71	-0.432	0.033	0.137	0.068	0.023	2.403	-0.432	0.033	0.137	0.069	0.023	2.404
L4S-616_L4S-615	L4S-616	L4S-615	6	315.72	305.11	0.99	-0.438	0.018	0.124	0.062	0.017	2.356	-0.438	0.018	0.125	0.062	0.018	2.357
L4S-617_L4S-311	L4S-617	L4S-311	6	290.17	286.55	0.42	-0.435	0.036	0.129	0.065	0.015	1.569	-0.435	0.036	0.130	0.065	0.015	1.570
L5P-501_L5S-508	L5P-501	L5S-508	6	254.04	253.39	0.28	-0.300	0.327	0.400	0.200	0.093	1.977	-0.300	0.328	0.401	0.201	0.093	1.978
L5S-101_K5S-418	L5S-101	K5S-418	8	240.31	238.68	1.14	-0.454	0.055	0.320	0.213	0.063	1.502	-0.453	0.055	0.320	0.213	0.063	1.503
L5S-102_L5S-101	L5S-102	L5S-101	6	240.41	240.31	0.22	-0.392	0.049	0.216	0.108	0.011	0.653	-0.392	0.050	0.216	0.108	0.011	0.654
L5S-103_L5S-118	L5S-103	L5S-118	6	241.47	240.87	0.25	-0.351	0.196	0.298	0.149	0.049	1.642	-0.351	0.196	0.298	0.149	0.050	1.643
L5S-104_L5S-103	L5S-104	L5S-103	6	242.31	241.47	0.26	-0.351	0.176	0.298	0.149	0.045	1.476	-0.351	0.177	0.298	0.149	0.045	1.477
L5S-105_L5S-102	L5S-105	L5S-102	6	242.47	240.41	0.47	-0.419	0.019	0.163	0.081	0.009	0.925	-0.419	0.019	0.163	0.081	0.009	0.925
L5S-106_L5S-105	L5S-106	L5S-105	6	243.14	242.47	0.47	-0.453	0.017	0.095	0.048	0.008	1.330	-0.453	0.017	0.095	0.048	0.008	1.331
L5S-107_K5S-419	L5S-107	K5S-419	6	260.78	240.06	1.26	-0.449	0.002	0.103	0.052	0.003	0.752	-0.448	0.002	0.103	0.052	0.003	0.752
L5S-108_L5S-106	L5S-108	L5S-106	6	244.29	243.14	0.29	-0.455	0.014	0.089	0.045	0.004	0.742	-0.455	0.014	0.089	0.045	0.004	0.743
L5S-109_L5S-104	L5S-109	L5S-104	6	245.36	242.31	0.40	-0.358	0.017	0.284	0.142	0.007	0.416	-0.358	0.017	0.285	0.142	0.007	0.416
L5S-110_L5S-109	L5S-110	L5S-109	6	247.8	245.36	0.40	-0.455	0.012	0.091	0.045	0.005	0.948	-0.455	0.012	0.091	0.046	0.005	0.948
L5S-111_L5S-415	L5S-111	L5S-415	6	286.32	277.79	0.90	-0.446	0.004	0.107	0.054	0.004	0.852	-0.446	0.004	0.107	0.054	0.004	0.852
L5S-112_L5S-113	L5S-112	L5S-113	6	276.98	276.77	0.28	-0.350	0.031	0.300	0.150	0.009	0.436	-0.350	0.031	0.300	0.150	0.009	0.436
L5S-113_L5S-115	L5S-113	L5S-115	6	276.77	267.7	0.57	-0.350	0.197	0.301	0.151	0.111	3.475	-0.349	0.198	0.301	0.151	0.112	3.477
L5S-114_L5S-115	L5S-114	L5S-115	6	268.75	267.7	0.29	-0.356	0.014	0.288	0.144	0.004	0.238	-0.356	0.014	0.288	0.144	0.004	0.238
L5S-115_L5S-117	L5S-115	L5S-117	8	267.7	264.24	1.17	-0.507	0.102	0.240	0.160	0.120	3.100	-0.507	0.103	0.240	0.160	0.120	3.103
L5S-116_L5S-206	L5S-116	L5S-206	6	266.36	265.21	0.28	-0.432	0.024	0.136	0.068	0.007	0.775	-0.432	0.024	0.136	0.068	0.007	0.775
L5S-117_L5S-513	L5S-117	L5S-513	8	264.24	257.58	1.06	-0.506	0.127	0.241	0.160	0.134	3.228	-0.506	0.127	0.241	0.161	0.135	3.230
L5S-118_L5S-101	L5S-118	L5S-101	8	240.87	240.31	0.54	-0.528	0.095	0.208	0.138	0.052	1.581	-0.528	0.096	0.208	0.139	0.052	1.582
L5S-200_K5S-512	L5S-200	K5S-512	6	251.33	242.24	0.65	-0.423	0.007	0.154	0.077	0.005	0.656	-0.423	0.007	0.155	0.077	0.005	0.657
L5S-201_K5S-510	L5S-201	K5S-510	6	240.85	234.82	0.59	-0.375	0.073	0.251	0.126	0.043	2.133	-0.374	0.073	0.252	0.126	0.043	2.135
L5S-202_K5S-510	L5S-202	K5S-510	6	237.64	234.82	0.40	-0.375	0.022	0.251	0.126	0.009	0.578	-0.374	0.022	0.252	0.126	0.009	0.578
L5S-203_L5S-201	L5S-203	L5S-201	6	248	240.85	0.83	-0.409	0.029	0.182	0.091	0.024	2.043	-0.409	0.030	0.182	0.091	0.024	2.044
L5S-204_L5S-202	L5S-204	L5S-202	6	243.59	237.64	0.75	-0.449	0.008	0.102	0.051	0.006	1.165	-0.449	0.008	0.102	0.051	0.006	1.165
L5S-205_L5S-203	L5S-205	L5S-203	6	256.22	248	0.63	-0.441	0.009	0.118	0.059	0.006	0.982	-0.441	0.009	0.118	0.059	0.006	0.982
L5S-206_L5S-117	L5S-206	L5S-117	6	265.21	264.24	0.28	-0.340	0.038	0.320	0.160	0.011	0.496	-0.340	0.038	0.320	0.160	0.011	0.496
L5S-207_L5S-203	L5S-207	L5S-203	6	252.96	248	0.53	-0.441	0.025	0.118	0.059	0.014	1.710	-0.441	0.026	0.118	0.059	0.014	1.711
L5S-208_L5S-207	L5S-208	L5S-207	6	258.93	252.96	0.52	-0.445	0.017	0.109	0.055	0.009	1.325	-0.445	0.017	0.110	0.055	0.009	1.325
L5S-209_L5S-210	L5S-209	L5S-210	6	270.7	269.61	0.38	-0.448	0.010	0.105	0.052	0.004	0.708	-0.448	0.010	0.105	0.052	0.004	0.708
L5S-210_L5S-212	L5S-210	L5S-212	6	269.61	267.44	0.38	-0.448	0.023	0.105	0.052	0.009	1.241	-0.448	0.023	0.105	0.053	0.009	1.241
L5S-211_L5S-212	L5S-211	L5S-212	6	270.39	267.44	0.69	-0.460	0.004	0.080	0.040	0.003	0.860	-0.460	0.004	0.080	0.040	0.003	0.860

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
L5S-212_L5S-501	L5S-212	L5S-501	6	267.44	255.86	1.05	-0.444	0.013	0.113	0.056	0.014	2.187	-0.444	0.013	0.113	0.057	0.014	2.189
L5S-301_L5S-315	L5S-301	L5S-315	6	231.93	229.12	0.54	-0.172	0.023	0.656	0.328	0.013	0.313	-0.172	0.023	0.656	0.328	0.013	0.313
L5S-302_L5S-301	L5S-302	L5S-301	6	252.41	231.93	1.07	-0.446	0.006	0.108	0.054	0.007	1.358	-0.446	0.006	0.108	0.054	0.007	1.358
L5S-303_L5S-310	L5S-303	L5S-310	6	246.63	232.48	0.73	-0.437	0.005	0.127	0.063	0.004	0.693	-0.437	0.005	0.127	0.064	0.004	0.693
L5S-304_L5S-311	L5S-304	L5S-311	8	227.78	226.1	0.59	-0.348	0.463	0.478	0.319	0.273	2.665	-0.348	0.463	0.478	0.319	0.273	2.665
L5S-305_L5S-309	L5S-305	L5S-309	6	252.61	236.82	0.88	-0.442	0.004	0.116	0.058	0.004	0.788	-0.442	0.004	0.116	0.058	0.004	0.789
L5S-306_L5S-308	L5S-306	L5S-308	6	265.25	244.3	1.08	-0.458	0.005	0.084	0.042	0.005	1.343	-0.458	0.005	0.084	0.042	0.005	1.343
L5S-307_L5S-507	L5S-307	L5S-507	6	263.22	257.44	0.72	-0.464	0.007	0.072	0.036	0.005	1.365	-0.464	0.007	0.072	0.036	0.005	1.366
L5S-308_L5S-309	L5S-308	L5S-309	6	244.3	236.82	0.87	-0.442	0.014	0.116	0.058	0.013	1.916	-0.442	0.014	0.116	0.058	0.013	1.916
L5S-309_L5S-310	L5S-309	L5S-310	6	236.82	232.48	0.68	-0.437	0.028	0.127	0.063	0.019	2.224	-0.437	0.029	0.127	0.064	0.019	2.225
L5S-310_L5S-311	L5S-310	L5S-311	6	232.48	226.1	0.83	-0.328	0.034	0.345	0.173	0.028	1.302	-0.327	0.034	0.345	0.173	0.028	1.302
L5S-311_L6S-104	L5S-311	L6S-104	10	226.1	213	3.25	-0.609	0.094	0.269	0.224	0.305	4.755	-0.609	0.094	0.269	0.224	0.306	4.755
L5S-313_L6S-417	L5S-313	L6S-417	6	229.23	222.23	0.69	-0.099	0.010	0.803	0.401	0.007	0.243	-0.098	0.010	0.803	0.402	0.007	0.243
L5S-314_L5S-313	L5S-314	L5S-313	6	229.97	229.23	0.33	-0.462	0.012	0.076	0.038	0.004	0.884	-0.462	0.012	0.076	0.038	0.004	0.884
L5S-315_L5S-304	L5S-315	L5S-304	8	229.12	227.78	0.55	-0.339	0.487	0.492	0.328	0.267	2.473	-0.339	0.487	0.492	0.328	0.267	2.473
L5S-401_L5S-402	L5S-401	L5S-402	6	292.67	280.12	0.77	-0.375	0.041	0.251	0.125	0.031	1.812	-0.375	0.041	0.251	0.126	0.031	1.813
L5S-402_L5S-113	L5S-402	L5S-113	6	280.12	276.77	0.46	-0.350	0.138	0.300	0.150	0.063	2.217	-0.350	0.139	0.300	0.150	0.063	2.218
L5S-403_L5S-404	L5S-403	L5S-404	6	269.12	261.54	0.60	-0.444	0.011	0.112	0.056	0.007	1.135	-0.444	0.011	0.112	0.056	0.007	1.135
L5S-404_L5S-503	L5S-404	L5S-503	6	261.54	257.83	0.47	-0.443	0.027	0.115	0.058	0.013	1.589	-0.442	0.027	0.115	0.058	0.013	1.589
L5S-405_L5S-406	L5S-405	L5S-406	6	306.17	293.58	0.98	-0.440	0.012	0.120	0.060	0.012	1.813	-0.440	0.012	0.120	0.060	0.012	1.814
L5S-406_L5S-402	L5S-406	L5S-402	6	293.58	280.12	0.89	-0.375	0.031	0.251	0.125	0.027	1.693	-0.375	0.031	0.251	0.126	0.027	1.694
L5S-407_L5S-408	L5S-407	L5S-408	6	276.58	266.81	0.91	-0.465	0.003	0.070	0.035	0.003	1.040	-0.465	0.003	0.070	0.035	0.003	1.040
L5S-408_L5S-508	L5S-408	L5S-508	6	266.81	253.39	0.79	-0.300	0.010	0.400	0.200	0.008	0.414	-0.300	0.010	0.401	0.201	0.008	0.413
L5S-409_L5S-406	L5S-409	L5S-406	6	298.76	293.58	0.64	-0.440	0.020	0.120	0.060	0.013	1.704	-0.440	0.020	0.120	0.060	0.013	1.706
L5S-410_L5S-411	L5S-410	L5S-411	6	288.06	276.63	1.08	-0.458	0.003	0.085	0.042	0.003	0.901	-0.458	0.003	0.085	0.042	0.003	0.901
L5S-411_L5S-510	L5S-411	L5S-510	6	276.63	265.63	1.13	-0.444	0.015	0.112	0.056	0.017	2.601	-0.444	0.015	0.112	0.056	0.017	2.603
L5S-412_L5S-405	L5S-412	L5S-405	6	311.47	306.17	0.47	-0.458	0.014	0.083	0.042	0.007	1.345	-0.458	0.014	0.083	0.042	0.007	1.346
L5S-413_L5S-409	L5S-413	L5S-409	6	301.81	298.76	0.44	-0.449	0.022	0.103	0.052	0.010	1.414	-0.448	0.022	0.103	0.052	0.010	1.415
L5S-414_L5S-411	L5S-414	L5S-411	6	277.82	276.63	0.28	-0.430	0.043	0.140	0.070	0.012	1.118	-0.430	0.043	0.140	0.070	0.012	1.119
L5S-415_L5S-112	L5S-415	L5S-112	6	277.79	276.98	0.28	-0.432	0.024	0.136	0.068	0.007	0.776	-0.432	0.024	0.136	0.068	0.007	0.776
L5S-501_L5S-502	L5S-501	L5S-502	6	255.86	250.78	0.70	-0.231	0.026	0.538	0.269	0.019	0.535	-0.231	0.027	0.539	0.269	0.019	0.535
L5S-502_L5S-505	L5S-502	L5S-505	8	250.78	247.92	0.85	-0.318	0.344	0.523	0.348	0.293	2.847	-0.318	0.344	0.523	0.349	0.293	2.848
L5S-503_L5S-504	L5S-503	L5S-504	6	257.83	251.81	0.66	-0.248	0.028	0.504	0.252	0.019	0.590	-0.248	0.028	0.505	0.252	0.019	0.590
L5S-504_L5S-502	L5S-504	L5S-502	6	251.81	250.78	0.25	-0.231	0.510	0.538	0.269	0.129	1.925	-0.231	0.511	0.539	0.269	0.129	1.925
L5S-505_L5S-612	L5S-505	L5S-612	8	247.92	246.17	0.67	-0.318	0.541	0.523	0.349	0.361	3.034	-0.318	0.542	0.524	0.349	0.362	3.035
L5S-506_L5S-505	L5S-506	L5S-505	6	250.5	247.92	0.49	-0.152	0.026	0.697	0.348	0.013	0.274	-0.151	0.026	0.698	0.349	0.013	0.274
L5S-507_L5S-506	L5S-507	L5S-506	6	257.44	250.5	0.83	-0.443	0.011	0.114	0.057	0.009	1.468	-0.443	0.011	0.114	0.057	0.009	1.469
L5S-508_L5S-504	L5S-508	L5S-504	6	253.39	251.81	0.31	-0.248	0.340	0.504	0.252	0.105	1.866	-0.248	0.340	0.505	0.252	0.105	1.866
L5S-509_L5P-501	L5S-509	L5P-501	6	254.16	254.04	0.24	-0.303	0.123	0.393	0.197	0.030	0.798	-0.303	0.124	0.394	0.197	0.030	0.798
L5S-510_L5S-509	L5S-510	L5S-509	6	265.63	254.16	1.12	-0.361	0.026	0.279	0.139	0.029	1.692	-0.360	0.026	0.279	0.140	0.030	1.693
L5S-511_L5S-510	L5S-511	L5S-510	6	266.22	265.63	0.25	-0.427	0.047	0.146	0.073	0.012	1.080	-0.427	0.047	0.146	0.073	0.012	1.080
L5S-512_L5P-501	L5S-512	L5P-501	6	255.81	254.04	0.25	-0.303	0.234	0.393	0.197	0.059	1.429	-0.303	0.235	0.394	0.197	0.059	1.429
L5S-513_L5S-502	L5S-513	L5S-502	8	257.58	250.78	1.40	-0.398	0.101	0.404	0.269	0.142	2.384	-0.397	0.101	0.404	0.269	0.142	2.385
L5S-601_L5S-612	L5S-601	L5S-612	6	253.17	246.17	0.64	-0.220	0.008	0.561	0.281	0.005	0.222	-0.219	0.008	0.562	0.281	0.005	0.222
L5S-602_L5S-603	L5S-602	L5S-603	8	231.27	227.04	1.14	-0.327	0.505	0.510	0.340	0.577	5.049	-0.327	0.506	0.510	0.340	0.578	5.050
L5S-603_L6S-417	L5S-603	L6S-417	8	227.04	222.23	1.13	-0.265	0.517	0.602	0.401	0.583	4.518	-0.265	0.518	0.602	0.402	0.584	4.519
L5S-604_L5S-606	L5S-604	L5S-606	6	256.24	253.83	0.40	-0.430	0.022	0.140	0.070	0.009	1.007	-0.430	0.022	0.140	0.070	0.009	1.007
L5S-605_L5S-604	L5S-605	L5S-604	6	258.13	256.24	0.40	-0.449	0.015	0.102	0.051	0.006	0.975	-0.449	0.015	0.102	0.051	0.006	0.975
L5S-606_L5S-607	L5S-606	L5S-607	6	253.83	253.59	0.28	-0.430	0.042	0.140	0.070	0.012	1.122	-0.430	0.042	0.140	0.070	0.012	1.123
L5S-607_L5S-609	L5S-607	L5S-609	6	253.59	238.81	0.99	-0.399	0.018	0.203	0.101	0.018	1.517	-0.399	0.018	0.203	0.102	0.018	1.517
L5S-608_L5S-602	L5S-608	L5S-602	8	237.85	231.27	1.13	-0.332	0.504	0.502	0.335	0.569	5.028	-0.332	0.504	0.503	0.335	0.570	5.029

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
L5S-609_L5S-608	L5S-609	L5S-608	6	238.81	237.85	0.44	-0.166	0.079	0.668	0.334	0.035	0.666	-0.166	0.079	0.669	0.334	0.035	0.666
L5S-610_L5S-608	L5S-610	L5S-608	8	240.68	237.85	1.14	-0.333	0.463	0.501	0.334	0.528	4.816	-0.332	0.464	0.502	0.334	0.529	4.817
L5S-611_L5S-610	L5S-611	L5S-610	8	244.14	240.68	1.17	-0.348	0.449	0.478	0.319	0.524	4.991	-0.348	0.449	0.479	0.319	0.525	4.992
L5S-612_L5S-611	L5S-612	L5S-611	8	246.17	244.14	1.00	-0.354	0.368	0.469	0.313	0.368	3.800	-0.354	0.368	0.470	0.313	0.369	3.801
L5S-613_L5S-611	L5S-613	L5S-611	6	248.03	244.14	0.44	-0.187	0.353	0.626	0.313	0.154	2.315	-0.187	0.353	0.626	0.313	0.155	2.315
L5S-614_L5S-609	L5S-614	L5S-609	6	247.72	238.81	0.61	-0.399	0.026	0.203	0.101	0.016	1.229	-0.399	0.026	0.203	0.102	0.016	1.230
L5S-615_L5S-607	L5S-615	L5S-607	6	255.31	253.59	0.40	-0.454	0.012	0.093	0.046	0.005	0.930	-0.454	0.012	0.093	0.047	0.005	0.930
L5S-616_L5S-308	L5S-616	L5S-308	6	255.99	244.3	0.87	-0.458	0.006	0.084	0.042	0.005	1.272	-0.458	0.006	0.084	0.042	0.005	1.273
L6P-201_L6S-211	L6P-201	L6S-211	12	211.92	211.38	1.13	0.745	0.929	1.745	1.745	1.053	2.455	0.826	0.926	1.826	1.826	1.049	2.464
L6P-402_L6S-412	L6P-402	L6S-412	6	230.72	228.05	0.57	-0.364	0.046	0.273	0.136	0.026	1.343	-0.364	0.046	0.273	0.137	0.026	1.344
L6S-101_L6S-106	L6S-101	L6S-106	6	216.5	215.6	0.22	-0.396	0.054	0.208	0.104	0.012	0.742	-0.396	0.054	0.208	0.104	0.012	0.742
L6S-102_L6S-115	L6S-102	L6S-115	6	214.81	214.61	0.22	-0.447	0.009	0.107	0.054	0.002	0.360	-0.447	0.009	0.107	0.054	0.002	0.360
L6S-103_K6S-412	L6S-103	K6S-412	15	211.16	210.95	1.03	-0.798	0.297	0.362	0.452	0.306	1.563	-0.798	0.297	0.362	0.452	0.306	1.563
L6S-104_L6S-103	L6S-104	L6S-103	12	213	211.16	2.96	-0.548	0.103	0.452	0.452	0.306	2.027	-0.548	0.103	0.452	0.452	0.306	2.027
L6S-105_L6S-106	L6S-105	L6S-106	6	217.46	215.6	0.33	-0.396	0.015	0.208	0.104	0.005	0.421	-0.396	0.015	0.208	0.104	0.005	0.421
L6S-106_L6S-109	L6S-106	L6S-109	6	215.6	215.2	0.22	-0.396	0.096	0.208	0.104	0.021	1.125	-0.396	0.096	0.208	0.104	0.021	1.125
L6S-107_L6S-108	L6S-107	L6S-108	6	216.41	214.35	0.40	-0.418	0.012	0.163	0.082	0.005	0.559	-0.418	0.012	0.163	0.082	0.005	0.559
L6S-108_L6S-223	L6S-108	L6S-223	6	214.35	213.41	0.22	-0.406	0.059	0.188	0.094	0.013	0.857	-0.406	0.059	0.188	0.094	0.013	0.858
L6S-109_L6S-112	L6S-109	L6S-112	6	215.2	214.49	0.22	0.066	0.111	1.133	0.566	0.024	0.351	0.067	0.111	1.133	0.567	0.024	0.355
L6S-110_L6S-109	L6S-110	L6S-109	6	216.52	215.2	0.48	-0.400	0.006	0.200	0.100	0.003	0.307	-0.400	0.006	0.200	0.100	0.003	0.307
L6S-111_L6S-112	L6S-111	L6S-112	12	215.05	214.49	1.12	-0.434	0.595	0.566	0.566	0.667	2.271	-0.434	0.595	0.567	0.567	0.667	2.271
L6S-112_L6S-213	L6S-112	L6S-213	12	214.49	213.83	1.14	-0.424	0.614	0.576	0.576	0.697	2.320	-0.424	0.614	0.576	0.576	0.697	2.320
L6S-113_L6S-213	L6S-113	L6S-213	6	215.2	213.83	0.31	0.076	0.047	1.153	0.576	0.015	0.535	0.076	0.047	1.153	0.576	0.015	0.535
L6S-114_L6S-101	L6S-114	L6S-101	6	217.38	216.5	0.22	-0.422	0.036	0.157	0.078	0.008	0.701	-0.422	0.036	0.157	0.078	0.008	0.701
L6S-115_L6S-108	L6S-115	L6S-108	6	214.61	214.35	0.22	-0.418	0.023	0.163	0.082	0.005	0.480	-0.418	0.023	0.163	0.082	0.005	0.480
L6S-116_L6S-117	L6S-116	L6S-117	8	220.48	217.97	1.44	-0.292	0.459	0.562	0.375	0.663	5.602	-0.292	0.460	0.562	0.375	0.664	5.602
L6S-117_L6S-111	L6S-117	L6S-111	8	217.97	215.05	1.13	-0.111	0.588	0.833	0.555	0.665	3.964	-0.111	0.588	0.833	0.556	0.665	3.965
L6S-201_K6S-519	L6S-201	K6S-519	6	211.46	210.8	0.31	1.204	0.062	3.409	1.704	0.019	0.508	1.332	0.051	3.665	1.832	0.016	0.408
L6S-202_L6S-204	L6S-202	L6S-204	6	212.08	211.67	0.28	0.560	0.153	2.121	1.060	0.042	1.285	0.682	0.181	2.365	1.182	0.050	1.272
L6S-203_L6S-202	L6S-203	L6S-202	6	212.29	212.08	0.22	0.160	0.092	1.320	0.660	0.020	0.858	0.280	0.092	1.560	0.780	0.020	0.839
L6S-204_L6S-206	L6S-204	L6S-206	6	211.67	210.7	0.22	1.504	0.217	4.008	2.004	0.048	0.360	1.617	0.322	4.234	2.117	0.071	0.540
L6S-205_K6S-611	L6S-205	K6S-611	12	210.36	209.69	1.12	1.333	0.864	2.333	2.333	0.967	2.379	1.457	0.864	2.457	2.457	0.967	2.386
L6S-206_L6S-205	L6S-206	L6S-205	12	210.7	210.36	1.25	1.140	0.822	2.140	2.140	1.028	2.408	1.270	0.819	2.270	2.270	1.026	2.412
L6S-207_L6S-208	L6S-207	L6S-208	6	215.5	214.32	0.31	-0.419	0.035	0.161	0.081	0.011	0.950	-0.419	0.035	0.161	0.081	0.011	0.951
L6S-208_L6S-209	L6S-208	L6S-209	6	214.32	212.59	0.31	-0.010	0.057	0.980	0.490	0.018	1.328	0.070	0.057	1.141	0.570	0.018	1.329
L6S-209_L6S-210	L6S-209	L6S-210	6	212.59	211.27	0.31	1.308	0.082	3.615	1.808	0.025	0.635	1.388	0.081	3.776	1.888	0.025	0.638
L6S-210_L6S-206	L6S-210	L6S-206	12	211.27	210.7	1.20	1.004	0.857	2.004	2.004	1.032	2.406	1.117	0.858	2.117	2.117	1.033	2.415
L6S-211_L6S-210	L6S-211	L6S-210	12	211.38	211.27	1.47	0.808	0.703	1.808	1.808	1.033	2.471	0.888	0.703	1.888	1.888	1.033	2.479
L6S-212_L6S-207	L6S-212	L6S-207	6	216.95	215.5	0.31	-0.436	0.019	0.128	0.064	0.006	0.752	-0.436	0.019	0.128	0.064	0.006	0.753
L6S-213_L6S-215	L6S-213	L6S-215	12	213.83	213.15	1.13	-0.277	0.630	0.723	0.723	0.713	2.315	-0.191	0.630	0.809	0.809	0.713	2.311
L6S-214_L6S-217	L6S-214	L6S-217	6	214.97	213.54	0.25	-0.440	0.012	0.121	0.061	0.003	0.683	-0.404	0.012	0.193	0.096	0.003	0.627
L6S-215_L6S-218	L6S-215	L6S-218	12	213.15	212.59	1.13	0.139	0.644	1.139	1.139	0.730	2.226	0.228	0.644	1.228	1.228	0.729	2.192
L6S-217_L6S-221	L6S-217	L6S-221	6	213.54	211.97	0.25	1.074	0.039	3.148	1.574	0.010	0.282	1.166	0.051	3.332	1.666	0.013	0.284
L6S-218_L6S-220	L6S-218	L6S-220	12	212.59	212.05	1.14	0.528	0.629	1.528	1.528	0.717	1.735	0.619	0.626	1.619	1.619	0.714	1.721
L6S-219_L6S-215	L6S-219	L6S-215	6	214.9	213.15	0.33	0.223	0.050	1.446	0.723	0.017	0.458	0.309	0.050	1.619	0.809	0.017	0.462
L6S-220_L6S-221	L6S-220	L6S-221	12	212.05	211.97	1.25	0.574	0.738	1.574	1.574	0.925	2.087	0.666	0.730	1.666	1.666	0.915	2.062
L6S-221_L6P-201	L6S-221	L6P-201	12	211.97	211.92	0.99	0.591	0.916	1.591	1.591	0.908	2.030	0.684	0.903	1.684	1.684	0.895	1.999
L6S-222_L6S-220	L6S-222	L6S-220	6	213.44	212.05	0.40	1.028	0.610	3.055	1.528	0.244	1.896	1.119	0.608	3.237	1.619	0.243	1.889
L6S-223_L6S-203	L6S-223	L6S-203	6	213.41	212.29	0.22	-0.048	0.078	0.903	0.452	0.017	0.941	0.071	0.078	1.143	0.571	0.017	0.939
L6S-301_L6S-302	L6S-301	L6S-302	6	217.93	217	0.28	-0.451	0.021	0.099	0.050	0.006	0.904	-0.450	0.021	0.099	0.050	0.006	0.904
L6S-302_L6S-303	L6S-302	L6S-303	6	217	216.54	0.40	-0.443	0.020	0.115	0.058	0.008	1.084	-0.442	0.020	0.115	0.058	0.008	1.084



Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
L6S-303_L6S-304	L6S-303	L6S-304	6	216.54	215.71	0.28	-0.432	0.028	0.136	0.068	0.008	0.860	-0.432	0.028	0.136	0.068	0.008	0.860
L6S-304_L6S-305	L6S-304	L6S-305	6	215.71	213.01	0.40	-0.385	0.040	0.229	0.115	0.016	1.317	-0.304	0.040	0.393	0.196	0.016	1.260
L6S-305_L6S-211	L6S-305	L6S-211	6	213.01	211.38	0.40	1.245	0.045	3.490	1.745	0.018	0.357	1.326	0.048	3.653	1.826	0.019	0.363
L6S-306_L6S-304	L6S-306	L6S-304	6	216.17	215.71	0.39	-0.432	0.020	0.136	0.068	0.008	0.947	-0.432	0.020	0.136	0.068	0.008	0.947
L6S-307_L6S-306	L6S-307	L6S-306	6	217.4	216.17	0.40	-0.451	0.017	0.099	0.049	0.007	1.124	-0.451	0.017	0.099	0.050	0.007	1.124
L6S-308_L6S-307	L6S-308	L6S-307	6	217.99	217.4	0.40	-0.455	0.012	0.091	0.046	0.005	0.951	-0.454	0.012	0.091	0.046	0.005	0.952
L6S-309_L6S-318	L6S-309	L6S-318	6	214.62	211.35	0.38	-0.097	0.540	0.806	0.403	0.205	2.933	0.186	0.568	1.372	0.686	0.216	2.906
L6S-310_L6S-308	L6S-310	L6S-308	6	219.78	217.99	0.40	-0.461	0.007	0.078	0.039	0.003	0.759	-0.461	0.007	0.078	0.039	0.003	0.759
L6S-311_L6P-201	L6S-311	L6P-201	8	219.26	211.92	1.41	0.924	0.117	2.386	1.591	0.165	0.860	1.017	0.125	2.525	1.684	0.177	0.920
L6S-312_L6S-311	L6S-312	L6S-311	8	220.14	219.26	0.50	-0.403	0.329	0.395	0.264	0.165	2.167	-0.393	0.352	0.410	0.273	0.176	2.214
L6S-312_L6S-313	L6S-312	L6S-313	6	220.14	219	0.28	-0.236	0.545	0.527	0.264	0.150	2.356	-0.227	0.579	0.547	0.273	0.159	2.402
L6S-313_L6S-314	L6S-313	L6S-314	6	219	217.85	0.35	-0.244	0.428	0.512	0.256	0.152	2.489	-0.236	0.456	0.527	0.264	0.162	2.571
L6S-314_L6S-309	L6S-314	L6S-309	6	217.85	214.62	0.38	-0.238	0.520	0.523	0.262	0.197	2.973	-0.230	0.547	0.539	0.270	0.207	3.013
L6S-315_L6S-314	L6S-315	L6S-314	6	219.44	217.85	0.38	-0.244	0.112	0.512	0.256	0.043	1.053	-0.236	0.113	0.527	0.264	0.043	1.004
L6S-316_L6S-312	L6S-316	L6S-312	6	221.79	220.14	0.42	-0.177	0.751	0.647	0.324	0.315	3.633	-0.162	0.800	0.677	0.338	0.335	3.678
L6S-317_L6S-222	L6S-317	L6S-222	6	215.92	213.44	0.51	-0.005	0.010	0.990	0.495	0.005	0.391	0.088	0.010	1.175	0.588	0.005	0.391
L6S-318_K6S-618	L6S-318	K6S-618	6	211.35	208.11	0.38	2.411	0.554	5.821	2.911	0.210	1.572	2.532	0.581	6.063	3.032	0.220	1.654
L6S-401_L6S-417	L6S-401	L6S-417	6	223.12	222.23	0.31	-0.099	0.220	0.803	0.401	0.068	0.903	-0.098	0.220	0.803	0.402	0.068	0.904
L6S-402_L6S-403	L6S-402	L6S-403	6	225.23	224.17	0.31	-0.346	0.013	0.309	0.154	0.004	0.296	-0.346	0.013	0.309	0.154	0.004	0.296
L6S-403_L6S-401	L6S-403	L6S-401	6	224.17	223.12	0.31	-0.328	0.206	0.344	0.172	0.064	1.776	-0.328	0.206	0.344	0.172	0.064	1.777
L6S-404_L6S-403	L6S-404	L6S-403	6	224.88	224.17	0.28	-0.346	0.201	0.309	0.154	0.057	1.722	-0.346	0.201	0.309	0.154	0.057	1.723
L6S-405_L6S-404	L6S-405	L6S-404	6	226.15	224.88	0.28	-0.348	0.188	0.304	0.152	0.053	1.681	-0.348	0.189	0.304	0.152	0.054	1.682
L6S-406_L6S-514	L6S-406	L6S-514	6	220.67	219.3	0.28	-0.157	0.011	0.686	0.343	0.003	0.241	-0.157	0.011	0.687	0.343	0.003	0.239
L6S-407_L6S-405	L6S-407	L6S-405	6	226.92	226.15	0.28	-0.353	0.178	0.293	0.147	0.050	1.652	-0.353	0.178	0.294	0.147	0.050	1.653
L6S-408_L6S-412	L6S-408	L6S-412	6	230.83	228.05	0.40	-0.364	0.017	0.273	0.136	0.007	0.433	-0.364	0.017	0.273	0.137	0.007	0.433
L6S-409_L6S-408	L6S-409	L6S-408	6	232.49	230.83	0.40	-0.455	0.007	0.091	0.045	0.003	0.664	-0.455	0.007	0.091	0.045	0.003	0.664
L6S-410_L6S-411	L6S-410	L6S-411	6	231.63	230.16	0.40	-0.452	0.012	0.096	0.048	0.005	0.900	-0.452	0.012	0.097	0.048	0.005	0.900
L6S-411_L6S-412	L6S-411	L6S-412	6	230.16	228.05	0.40	-0.364	0.020	0.273	0.136	0.008	0.482	-0.364	0.020	0.273	0.137	0.008	0.482
L6S-412_L6S-413	L6S-412	L6S-413	6	228.05	227.7	0.28	-0.361	0.163	0.279	0.139	0.046	1.609	-0.360	0.163	0.279	0.140	0.046	1.609
L6S-413_L6S-407	L6S-413	L6S-407	6	227.7	226.92	0.28	-0.357	0.170	0.285	0.143	0.048	1.635	-0.357	0.171	0.286	0.143	0.048	1.635
L6S-414_L6P-402	L6S-414	L6P-402	6	230.97	230.72	0.35	-0.427	0.033	0.146	0.073	0.012	1.124	-0.427	0.034	0.147	0.073	0.012	1.125
L6S-415_L6S-416	L6S-415	L6S-416	6	226.01	222.87	0.60	-0.267	0.002	0.467	0.234	0.001	0.218	-0.266	0.002	0.468	0.234	0.001	0.218
L6S-416_L6S-514	L6S-416	L6S-514	6	222.87	219.3	0.49	-0.157	0.446	0.686	0.343	0.218	2.858	-0.157	0.446	0.687	0.343	0.218	2.859
L6S-417_L6S-116	L6S-417	L6S-116	8	222.23	220.48	0.98	-0.265	0.676	0.602	0.402	0.661	4.664	-0.265	0.677	0.603	0.402	0.661	4.665
L6S-501_L6S-502	L6S-501	L6S-502	6	216.97	216.01	0.31	-0.433	0.019	0.134	0.067	0.006	0.729	-0.433	0.019	0.134	0.067	0.006	0.730
L6S-502_L6S-219	L6S-502	L6S-219	6	216.01	214.9	0.34	-0.425	0.038	0.150	0.075	0.013	1.162	-0.425	0.038	0.151	0.075	0.013	1.162
L6S-503_L6S-501	L6S-503	L6S-501	6	217.77	216.97	0.31	-0.452	0.013	0.096	0.048	0.004	0.719	-0.452	0.013	0.096	0.048	0.004	0.719
L6S-504_L6S-222	L6S-504	L6S-222	6	215.25	213.44	0.40	-0.005	0.603	0.990	0.495	0.241	2.946	0.088	0.602	1.175	0.588	0.241	2.920
L6S-505_L6S-504	L6S-505	L6S-504	6	215.48	215.25	0.33	-0.191	0.714	0.617	0.309	0.233	2.884	-0.192	0.714	0.617	0.309	0.233	2.883
L6S-506_L6S-502	L6S-506	L6S-502	6	218.29	216.01	0.45	-0.433	0.006	0.134	0.067	0.003	0.472	-0.433	0.006	0.134	0.067	0.003	0.472
L6S-507_L6S-520	L6S-507	L6S-520	6	221.44	218.4	0.50	-0.459	0.004	0.081	0.041	0.002	0.580	-0.459	0.004	0.081	0.041	0.002	0.580
L6S-508_L6S-505	L6S-508	L6S-505	6	216.93	215.48	0.25	-0.125	0.914	0.751	0.375	0.231	2.566	-0.125	0.914	0.751	0.376	0.231	2.566
L6S-509_L6S-504	L6S-509	L6S-504	6	219.35	215.25	0.40	-0.218	0.016	0.565	0.282	0.006	0.440	-0.218	0.016	0.565	0.282	0.006	0.442
L6S-510_L6S-511	L6S-510	L6S-511	8	231.3	231.28	0.21	-0.271	1.407	0.594	0.396	0.299	2.405	-0.254	1.503	0.618	0.412	0.319	2.436
L6S-511_L6S-601	L6S-511	L6S-601	6	231.28	227.17	0.40	-0.175	0.757	0.651	0.325	0.302	3.466	-0.159	0.808	0.682	0.341	0.323	3.509
L6S-512_L6S-509	L6S-512	L6S-509	6	221.49	219.35	0.31	-0.457	0.007	0.086	0.043	0.002	0.535	-0.457	0.007	0.086	0.043	0.002	0.535
L6S-513_L6S-508	L6S-513	L6S-508	6	218.46	216.93	0.25	-0.125	0.895	0.751	0.375	0.226	2.231	-0.125	0.895	0.751	0.376	0.226	2.231
L6S-514_L6S-513	L6S-514	L6S-513	6	219.3	218.46	0.28	-0.132	0.805	0.736	0.368	0.224	2.325	-0.132	0.806	0.736	0.368	0.224	2.325
L6S-515_L6S-518	L6S-515	L6S-518	6	235.16	234.52	0.28	-0.158	0.009	0.685	0.342	0.002	0.297	-0.138	0.009	0.724	0.362	0.002	0.297
L6S-516_L6S-510	L6S-516	L6S-510	8	231.35	231.3	0.14	-0.095	2.129	0.857	0.571	0.299	1.707	-0.047	2.274	0.929	0.619	0.319	1.707
L6S-517_L6S-516	L6S-517	L6S-516	8	232.61	231.35	0.74	-0.095	0.401	0.857	0.571	0.299	1.882	-0.047	0.429	0.929	0.619	0.319	1.864

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
L6S-518_L6S-517	L6S-518	L6S-517	6	234.52	232.61	0.36	-0.158	0.814	0.685	0.342	0.291	3.184	-0.138	0.875	0.724	0.362	0.312	3.256
L6S-519_L6S-518	L6S-519	L6S-518	6	236.25	234.52	0.70	-0.158	0.412	0.685	0.342	0.288	3.859	-0.138	0.444	0.724	0.362	0.310	3.908
L6S-520_L6S-113	L6S-520	L6S-113	6	218.4	215.2	0.51	-0.428	0.014	0.143	0.072	0.007	0.869	-0.428	0.014	0.144	0.072	0.007	0.869
L6S-521_L6S-416	L6S-521	L6S-416	6	224.03	222.87	0.28	-0.173	0.767	0.654	0.327	0.216	2.668	-0.173	0.768	0.655	0.328	0.217	2.669
L6S-601_L6S-316	L6S-601	L6S-316	6	227.17	221.79	0.44	-0.177	0.709	0.647	0.324	0.311	3.654	-0.162	0.755	0.677	0.338	0.331	3.702
L6S-602_L6S-610	L6S-602	L6S-610	6	225.56	221.76	0.42	-0.398	0.075	0.204	0.102	0.032	1.815	-0.398	0.075	0.205	0.102	0.032	1.815
L6S-603_L7S-413	L6S-603	L7S-413	6	227.5	224.2	0.42	-0.436	0.035	0.128	0.064	0.015	1.550	-0.436	0.035	0.128	0.064	0.015	1.551
L6S-604_L6S-602	L6S-604	L6S-602	6	229.85	225.56	0.44	-0.408	0.052	0.185	0.093	0.023	1.588	-0.407	0.052	0.185	0.093	0.023	1.588
L6S-605_L6S-603	L6S-605	L6S-603	6	230.77	227.5	0.42	-0.436	0.016	0.127	0.064	0.007	0.921	-0.436	0.016	0.127	0.064	0.007	0.921
L6S-606_L6S-604	L6S-606	L6S-604	6	233.69	229.85	0.44	-0.423	0.036	0.154	0.077	0.016	1.431	-0.423	0.036	0.154	0.077	0.016	1.431
L6S-607_M6S-313	L6S-607	M6S-313	6	237.55	236.26	0.35	-0.446	0.008	0.108	0.054	0.003	0.551	-0.446	0.008	0.108	0.054	0.003	0.551
L6S-608_L6S-609	L6S-608	L6S-609	6	234.51	230.28	0.44	-0.419	0.042	0.163	0.081	0.019	1.535	-0.419	0.043	0.163	0.082	0.019	1.536
L6S-609_L7S-405	L6S-609	L7S-405	6	230.28	225.24	0.47	-0.405	0.058	0.190	0.095	0.027	1.819	-0.405	0.058	0.190	0.095	0.028	1.820
L6S-610_L6S-315	L6S-610	L6S-315	6	221.76	219.44	0.42	-0.384	0.092	0.231	0.116	0.039	1.887	-0.384	0.092	0.232	0.116	0.039	1.886
L7S-101_K7S-411	L7S-101	K7S-411	6	213.5	211.57	0.34	0.051	1.034	1.101	0.551	0.347	3.057	0.075	1.038	1.149	0.575	0.348	3.057
L7S-102_K7S-412	L7S-102	K7S-412	6	212.92	211.83	0.28	-0.441	0.017	0.119	0.060	0.005	0.689	-0.440	0.017	0.119	0.060	0.005	0.690
L7S-103_L7S-102	L7S-103	L7S-102	6	213.53	212.92	0.39	-0.454	0.010	0.091	0.046	0.004	0.805	-0.454	0.010	0.091	0.046	0.004	0.805
L7S-104_L7S-105	L7S-104	L7S-105	6	216.37	214.6	0.33	0.975	0.021	2.950	1.475	0.007	0.261	1.023	0.024	3.045	1.523	0.008	0.261
L7S-105_L7S-101	L7S-105	L7S-101	6	214.6	213.5	0.25	0.975	1.356	2.950	1.475	0.342	2.643	1.023	1.364	3.045	1.523	0.344	2.657
L7S-106_L7S-111	L7S-106	L7S-111	6	212.18	209.98	0.31	0.002	0.262	1.003	0.502	0.081	2.060	0.091	0.263	1.183	0.591	0.081	2.061
L7S-107_L7S-106	L7S-107	L7S-106	6	214.38	212.18	0.31	-0.326	0.228	0.348	0.174	0.071	1.888	-0.326	0.229	0.348	0.174	0.071	1.889
L7S-108_L7S-105	L7S-108	L7S-105	6	216.74	214.6	0.33	0.975	0.998	2.950	1.475	0.334	2.535	1.036	1.004	3.072	1.536	0.335	2.545
L7S-109_L7S-108	L7S-109	L7S-108	6	218.95	216.74	0.34	0.957	0.014	2.913	1.457	0.005	0.216	1.036	0.012	3.072	1.536	0.004	0.216
L7S-111_K7S-407	L7S-111	K7S-407	6	209.98	207.49	0.33	2.412	0.264	8.825	2.912	0.088	0.735	2.514	0.265	6.029	3.014	0.089	0.735
L7S-401_L7S-107	L7S-401	L7S-107	6	220.77	214.38	0.51	-0.338	0.123	0.323	0.162	0.062	2.141	-0.338	0.124	0.324	0.162	0.062	2.142
L7S-402_L7S-108	L7S-402	L7S-108	6	218.9	216.74	0.33	0.957	0.992	2.913	1.457	0.332	2.923	1.036	1.004	3.072	1.536	0.335	2.930
L7S-403_L7S-402	L7S-403	L7S-402	6	220.65	218.9	0.40	0.878	0.009	2.756	1.378	0.004	0.250	0.966	0.054	2.932	1.466	0.022	0.250
L7S-404_L7S-402	L7S-404	L7S-402	6	220.26	218.9	0.33	0.878	0.979	2.756	1.378	0.328	2.923	0.966	0.977	2.932	1.466	0.327	2.932
L7S-405_L7S-401	L7S-405	L7S-401	6	225.24	220.77	0.47	-0.382	0.079	0.236	0.118	0.037	1.893	-0.382	0.080	0.236	0.118	0.038	1.894
L7S-406_L7S-404	L7S-406	L7S-404	6	222.08	220.26	0.33	0.821	0.984	2.642	1.321	0.329	2.928	0.902	0.988	2.805	1.402	0.330	2.937
L7S-407_L7S-405	L7S-407	L7S-405	6	230.64	225.24	0.59	-0.405	0.007	0.190	0.095	0.004	0.431	-0.405	0.007	0.190	0.095	0.004	0.431
L7S-408_L7S-406	L7S-408	L7S-406	6	223.55	222.08	0.34	0.739	1.005	2.477	1.239	0.337	2.946	0.838	1.011	2.676	1.338	0.339	2.954
L7S-409_L7S-410	L7S-409	L7S-410	6	228.85	227.85	0.28	-0.335	0.236	0.330	0.165	0.067	1.866	-0.325	0.266	0.351	0.175	0.075	1.933
L7S-410_L7S-411	L7S-410	L7S-411	6	227.85	225.01	0.56	0.563	0.124	2.126	1.063	0.070	0.948	0.722	0.139	2.445	1.222	0.078	1.024
L7S-411_L7S-408	L7S-411	L7S-408	6	225.01	223.55	0.33	0.661	1.028	2.321	1.161	0.344	2.945	0.785	1.036	2.570	1.285	0.346	2.953
L7S-412_L7S-411	L7S-412	L7S-411	6	225.73	225.01	0.31	0.563	0.911	2.126	1.063	0.282	2.514	0.722	0.896	2.445	1.222	0.277	2.484
L7S-413_L7S-401	L7S-413	L7S-401	6	224.2	220.77	0.69	-0.382	0.028	0.236	0.118	0.019	1.301	-0.382	0.028	0.236	0.118	0.020	1.301
M4P-202_M4P-204	M4P-202	M4P-204	6	324.87	324.74	0.32	-0.495	0.000	0.010	0.005	0.000	0.200	-0.495	0.000	0.010	0.005	0.000	0.200
M4P-203_M4P-202	M4P-203	M4P-202	6	325.87	324.87	0.65	-0.495	0.000	0.010	0.005	0.000	0.250	-0.495	0.000	0.010	0.005	0.000	0.250
M4P-204_M4P-201	M4P-204	M4P-201	6	324.74	323.59	0.65	-0.496	0.000	0.008	0.004	0.000	0.263	-0.496	0.000	0.008	0.004	0.000	0.263
M4S-301_L4S-613	M4S-301	L4S-613	6	306.32	301.68	0.65	-0.465	0.000	0.070	0.035	0.000	0.246	-0.465	0.000	0.070	0.035	0.000	0.246
M4S-302_M4S-301	M4S-302	M4S-301	6	306.92	306.32	0.32	-0.495	0.000	0.010	0.005	0.000	0.226	-0.495	0.000	0.010	0.005	0.000	0.226
M4S-303_M4S-302	M4S-303	M4S-302	6	313.18	306.92	0.65	-0.495	0.000	0.010	0.005	0.000	0.255	-0.495	0.000	0.010	0.005	0.000	0.255
M5P-201_M5S-214	M5P-201	M5S-214	6	266.07	264.95	0.74	-0.306	0.019	0.388	0.194	0.014	0.584	-0.306	0.019	0.389	0.194	0.014	0.584
M5S-101_L4S-616	M5S-101	L4S-616	6	335.16	315.72	0.88	-0.454	0.013	0.093	0.046	0.012	2.191	-0.454	0.013	0.093	0.046	0.012	2.192
M5S-102_M5S-101	M5S-102	M5S-101	6	337.25	335.16	0.45	-0.457	0.015	0.085	0.043	0.007	1.303	-0.457	0.015	0.085	0.043	0.007	1.304
M5S-103_M5S-102	M5S-103	M5S-102	6	353.96	337.25	1.08	-0.458	0.003	0.085	0.043	0.003	0.893	-0.457	0.003	0.085	0.043	0.003	0.893
M5S-104_M5S-105	M5S-104	M5S-105	6	296.18	282.08	1.16	-0.458	0.003	0.085	0.042	0.003	0.913	-0.458	0.003	0.085	0.043	0.003	0.913
M5S-105_L5S-414	M5S-105	L5S-414	6	282.08	277.82	0.52	-0.430	0.015	0.140	0.070	0.008	0.988	-0.430	0.015	0.140	0.070	0.008	0.988
M5S-106_M5S-223	M5S-106	M5S-223	6	348.53	302.73	1.61	-0.476	0.002	0.049	0.024	0.004	2.081	-0.476	0.002	0.049	0.024	0.004	2.081
M5S-107_M5S-108	M5S-107	M5S-108	6	284.31	281.81	0.44	-0.453	0.011	0.095	0.047	0.005	0.908	-0.453	0.011	0.095	0.047	0.005	0.908

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
M5S-108_M5S-211	M5S-108	M5S-211	6	281.81	279.88	0.46	-0.443	0.019	0.113	0.057	0.009	1.215	-0.443	0.019	0.114	0.057	0.009	1.216
M5S-109_L5S-413	M5S-109	L5S-413	6	305.5	301.81	0.47	-0.449	0.010	0.103	0.051	0.005	0.899	-0.449	0.010	0.103	0.051	0.005	0.900
M5S-201_L5S-512	M5S-201	L5S-512	6	256.36	255.81	0.25	-0.336	0.220	0.327	0.164	0.056	1.574	-0.336	0.220	0.328	0.164	0.056	1.575
M5S-202_M5S-201	M5S-202	M5S-201	6	256.85	256.36	0.25	-0.341	0.212	0.318	0.159	0.053	1.560	-0.341	0.212	0.319	0.159	0.053	1.560
M5S-203_M5S-205	M5S-203	M5S-205	6	284.28	274.29	1.04	-0.429	0.007	0.143	0.071	0.007	1.027	-0.429	0.007	0.143	0.071	0.007	1.027
M5S-204_M5S-203	M5S-204	M5S-203	6	289.25	284.28	0.54	-0.471	0.005	0.057	0.029	0.003	1.065	-0.471	0.005	0.058	0.029	0.003	1.065
M5S-205_M5S-202	M5S-205	M5S-202	6	274.29	256.85	1.02	-0.344	0.044	0.312	0.156	0.045	2.082	-0.344	0.044	0.312	0.156	0.045	2.083
M5S-206_M5S-202	M5S-206	M5S-202	6	257.79	256.85	0.25	-0.344	0.019	0.312	0.156	0.005	0.257	-0.344	0.019	0.312	0.156	0.005	0.257
M5S-207_M5S-316	M5S-207	M5S-316	6	255.61	254.7	0.28	-0.266	0.450	0.468	0.234	0.125	2.233	-0.266	0.451	0.468	0.234	0.125	2.233
M5S-208_M5S-207	M5S-208	M5S-207	6	264.14	255.61	0.96	-0.266	0.117	0.468	0.234	0.112	2.849	-0.266	0.117	0.468	0.234	0.113	2.850
M5S-209_M5S-208	M5S-209	M5S-208	6	268.31	264.14	0.96	-0.384	0.013	0.231	0.116	0.013	1.100	-0.384	0.013	0.231	0.116	0.013	1.101
M5S-210_M5S-205	M5S-210	M5S-205	6	276.67	274.29	0.40	-0.401	0.086	0.198	0.099	0.034	1.931	-0.401	0.086	0.198	0.099	0.034	1.932
M5S-211_M5S-210	M5S-211	M5S-210	6	279.88	276.67	0.46	-0.401	0.027	0.197	0.099	0.012	0.989	-0.401	0.027	0.198	0.099	0.013	0.990
M5S-212_M5S-210	M5S-212	M5S-210	6	281.66	276.67	0.91	-0.401	0.021	0.197	0.099	0.020	1.654	-0.401	0.022	0.198	0.099	0.020	1.655
M5S-213_M5S-209	M5S-213	M5S-209	6	279.12	268.31	1.10	-0.460	0.010	0.081	0.041	0.011	2.488	-0.459	0.010	0.081	0.041	0.011	2.490
M5S-214_M5S-208	M5S-214	M5S-208	6	264.95	264.14	0.31	-0.306	0.320	0.389	0.194	0.098	2.161	-0.306	0.320	0.389	0.195	0.098	2.161
M5S-215_M5S-214	M5S-215	M5S-214	6	265.28	264.95	0.31	-0.306	0.006	0.388	0.194	0.002	0.138	-0.306	0.006	0.389	0.194	0.002	0.138
M5S-216_M5P-201	M5S-216	M5P-201	6	268.1	266.07	0.55	-0.449	0.022	0.102	0.051	0.012	1.756	-0.449	0.022	0.102	0.051	0.012	1.757
M5S-217_M5S-216	M5S-217	M5S-216	6	269.43	268.1	0.55	-0.449	0.022	0.102	0.051	0.012	1.752	-0.449	0.022	0.102	0.051	0.012	1.754
M5S-218_M5S-217	M5S-218	M5S-217	6	269.94	269.43	0.28	-0.433	0.039	0.134	0.067	0.011	1.093	-0.433	0.039	0.134	0.067	0.011	1.093
M5S-219_M5S-212	M5S-219	M5S-212	6	292.22	281.66	0.92	-0.449	0.017	0.101	0.051	0.016	2.516	-0.449	0.017	0.101	0.051	0.016	2.518
M5S-220_M5S-221	M5S-220	M5S-221	6	295.39	293.11	0.42	-0.434	0.011	0.133	0.067	0.005	0.690	-0.434	0.012	0.133	0.067	0.005	0.691
M5S-221_M5S-219	M5S-221	M5S-219	6	293.11	292.22	0.33	-0.433	0.038	0.133	0.067	0.013	1.269	-0.433	0.038	0.133	0.067	0.013	1.270
M5S-222_M5S-218	M5S-222	M5S-218	6	279.64	269.94	0.99	-0.433	0.009	0.134	0.067	0.009	1.321	-0.433	0.009	0.134	0.067	0.009	1.322
M5S-223_L5S-511	M5S-223	L5S-511	6	302.73	266.22	1.68	-0.427	0.005	0.146	0.073	0.008	1.213	-0.427	0.005	0.146	0.073	0.008	1.213
M5S-301_L5S-614	M5S-301	L5S-614	6	253.28	247.72	0.50	-0.445	0.017	0.110	0.055	0.009	1.313	-0.445	0.017	0.110	0.055	0.009	1.314
M5S-302_M5S-301	M5S-302	M5S-301	6	277.05	253.28	1.17	-0.455	0.003	0.091	0.046	0.004	1.067	-0.454	0.003	0.091	0.046	0.004	1.067
M5S-303_M5S-316	M5S-303	M5S-316	6	256.37	254.7	0.31	-0.327	0.074	0.347	0.173	0.023	0.839	-0.327	0.074	0.347	0.174	0.023	0.840
M5S-304_M5S-207	M5S-304	M5S-207	6	257.64	255.61	0.31	-0.266	0.032	0.468	0.234	0.010	0.331	-0.266	0.032	0.468	0.234	0.010	0.333
M5S-305_M5S-303	M5S-305	M5S-303	6	258.04	256.37	0.31	-0.409	0.061	0.183	0.091	0.019	1.260	-0.409	0.061	0.183	0.091	0.019	1.260
M5S-306_M5S-305	M5S-306	M5S-305	6	261.11	258.04	0.42	-0.417	0.033	0.166	0.083	0.014	1.206	-0.417	0.033	0.166	0.083	0.014	1.207
M5S-307_M5S-304	M5S-307	M5S-304	6	259.63	257.64	0.31	-0.439	0.019	0.122	0.061	0.006	0.794	-0.439	0.019	0.122	0.061	0.006	0.794
M5S-308_M5S-214	M5S-308	M5S-214	6	265.91	264.95	0.25	-0.305	0.323	0.390	0.195	0.082	1.799	-0.305	0.324	0.391	0.195	0.082	1.799
M5S-309_M5S-308	M5S-309	M5S-308	6	266.61	265.91	0.25	-0.305	0.319	0.390	0.195	0.081	1.767	-0.305	0.320	0.390	0.195	0.081	1.768
M5S-310_M5S-309	M5S-310	M5S-309	6	267.62	266.61	0.31	-0.306	0.150	0.388	0.194	0.046	1.291	-0.306	0.150	0.388	0.194	0.046	1.291
M5S-311_M5S-310	M5S-311	M5S-310	6	271.4	267.62	0.51	-0.367	0.084	0.265	0.133	0.042	1.913	-0.367	0.084	0.266	0.133	0.042	1.913
M5S-312_M5S-307	M5S-312	M5S-307	6	266.09	259.63	0.55	-0.452	0.005	0.095	0.048	0.003	0.692	-0.452	0.005	0.095	0.048	0.003	0.692
M5S-313_M5S-309	M5S-313	M5S-309	6	269.23	266.61	0.47	-0.306	0.065	0.388	0.194	0.031	1.050	-0.306	0.065	0.388	0.194	0.031	1.051
M5S-314_M5S-311	M5S-314	M5S-311	6	276.52	271.4	0.57	-0.403	0.069	0.195	0.098	0.039	2.398	-0.402	0.069	0.195	0.098	0.039	2.399
M5S-315_M5S-314	M5S-315	M5S-314	6	285.62	276.52	1.12	-0.411	0.032	0.178	0.089	0.036	3.011	-0.411	0.032	0.178	0.089	0.036	3.013
M5S-316_L5S-613	M5S-316	L5S-613	6	254.7	248.03	0.58	-0.295	0.259	0.410	0.205	0.150	3.413	-0.295	0.260	0.410	0.205	0.150	3.414
M5S-501_M5S-222	M5S-501	M5S-222	6	292.19	279.64	1.02	-0.467	0.006	0.066	0.033	0.006	1.856	-0.467	0.006	0.066	0.033	0.006	1.857
M5S-502_M5S-221	M5S-502	M5S-221	6	295.46	293.11	0.35	-0.434	0.008	0.133	0.067	0.003	0.451	-0.434	0.008	0.133	0.067	0.003	0.451
M5S-503_M5S-505	M5S-503	M5S-505	6	317.93	310.22	0.77	-0.471	0.007	0.057	0.029	0.005	1.712	-0.471	0.007	0.058	0.029	0.005	1.713
M5S-504_M5S-503	M5S-504	M5S-503	6	323.81	317.93	0.70	-0.471	0.006	0.057	0.029	0.004	1.429	-0.471	0.006	0.058	0.029	0.004	1.430
M5S-505_M5S-213	M5S-505	M5S-213	6	310.22	279.12	1.08	-0.465	0.007	0.070	0.035	0.007	2.052	-0.465	0.007	0.070	0.035	0.007	2.053
M5S-601_M5S-315	M5S-601	M5S-315	6	286.85	285.62	0.36	-0.399	0.090	0.203	0.101	0.032	1.749	-0.399	0.090	0.203	0.101	0.032	1.750
M5S-602_M5S-313	M5S-602	M5S-313	6	287.85	269.23	1.04	-0.413	0.026	0.174	0.087	0.027	2.415	-0.413	0.026	0.174	0.087	0.027	2.416
M5S-603_M5S-501	M5S-603	M5S-501	6	299.14	292.19	1.08	-0.473	0.002	0.054	0.027	0.002	1.017	-0.473	0.002	0.054	0.027	0.002	1.017
M5S-604_M5S-602	M5S-604	M5S-602	6	300.58	287.85	1.08	-0.445	0.004	0.110	0.055	0.004	0.863	-0.445	0.004	0.110	0.055	0.004	0.863
M5S-605_M5S-602	M5S-605	M5S-602	6	296.35	287.85	0.89	-0.445	0.021	0.110	0.055	0.019	2.646	-0.445	0.021	0.110	0.055	0.019	2.648

Los Altos Sewer Master Plan  
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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
M5S-606_M5S-607	M5S-606	M5S-607	6	305.07	302.2	0.44	-0.449	0.022	0.103	0.051	0.010	1.422	-0.449	0.022	0.103	0.051	0.010	1.423
M5S-607_M5S-601	M5S-607	M5S-601	6	302.2	286.85	1.17	-0.399	0.009	0.202	0.101	0.011	1.054	-0.399	0.009	0.202	0.101	0.011	1.054
M5S-608_M5S-609	M5S-608	M5S-609	6	299.83	298.58	0.40	-0.427	0.010	0.146	0.073	0.004	0.525	-0.427	0.010	0.146	0.073	0.004	0.525
M5S-609_M5S-605	M5S-609	M5S-605	6	298.58	296.35	0.38	-0.427	0.046	0.147	0.073	0.018	1.537	-0.427	0.046	0.147	0.073	0.018	1.538
M5S-610_M5S-613	M5S-610	M5S-613	6	297.99	291.11	1.08	-0.426	0.001	0.147	0.074	0.001	0.388	-0.426	0.001	0.148	0.074	0.001	0.388
M5S-611_M5S-601	M5S-611	M5S-601	6	288.95	286.85	0.36	-0.399	0.055	0.202	0.101	0.020	1.280	-0.399	0.056	0.202	0.101	0.020	1.281
M5S-612_M5S-611	M5S-612	M5S-611	6	289.92	288.95	0.36	-0.420	0.053	0.159	0.080	0.019	1.473	-0.420	0.053	0.159	0.080	0.019	1.473
M5S-613_M5S-612	M5S-613	M5S-612	6	291.11	289.92	0.36	-0.422	0.047	0.156	0.078	0.017	1.385	-0.422	0.047	0.156	0.078	0.017	1.386
M5S-614_M5S-615	M5S-614	M5S-615	6	310.35	301.27	0.90	-0.460	0.004	0.080	0.040	0.004	1.129	-0.460	0.004	0.081	0.040	0.004	1.129
M5S-615_M5S-613	M5S-615	M5S-613	6	301.27	291.11	1.10	-0.426	0.013	0.147	0.074	0.015	1.836	-0.426	0.013	0.148	0.074	0.015	1.837
M5S-616_M5S-609	M5S-616	M5S-609	6	302.31	298.58	0.54	-0.427	0.022	0.146	0.073	0.012	1.293	-0.427	0.022	0.146	0.073	0.012	1.293
M5S-617_M5S-616	M5S-617	M5S-616	6	303.06	302.31	0.26	-0.448	0.023	0.104	0.052	0.006	0.848	-0.448	0.023	0.104	0.052	0.006	0.848
M5S-618_M5S-615	M5S-618	M5S-615	6	304.28	301.27	0.47	-0.450	0.021	0.100	0.050	0.010	1.491	-0.450	0.021	0.100	0.050	0.010	1.492
M5S-619_M5S-618	M5S-619	M5S-618	6	306.59	304.28	0.40	-0.450	0.017	0.099	0.050	0.007	1.109	-0.450	0.017	0.099	0.050	0.007	1.110
M5S-620_M5S-606	M5S-620	M5S-606	6	306.9	305.07	0.36	-0.449	0.016	0.102	0.051	0.006	0.942	-0.449	0.016	0.103	0.051	0.006	0.942
M6P-501_M6S-515	M6P-501	M6S-515	6	276.96	276.48	0.22	-0.420	0.032	0.161	0.080	0.007	0.625	-0.420	0.032	0.161	0.080	0.007	0.625
M6P-502_M6P-503	M6P-502	M6P-503	6	273.71	273.52	0.28	-0.460	0.005	0.081	0.040	0.001	0.388	-0.460	0.005	0.081	0.040	0.001	0.388
M6P-503_M6S-508	M6P-503	M6S-508	6	273.52	272.57	0.28	-0.449	0.013	0.103	0.052	0.004	0.645	-0.449	0.013	0.103	0.052	0.004	0.645
M6S-101_L6P-402	M6S-101	L6P-402	6	233.17	230.72	0.40	-0.427	0.035	0.146	0.073	0.014	1.341	-0.427	0.035	0.147	0.073	0.014	1.342
M6S-102_L6S-414	M6S-102	L6S-414	6	233.65	230.97	0.40	-0.437	0.019	0.126	0.063	0.008	1.002	-0.437	0.019	0.126	0.063	0.008	1.002
M6S-103_M6S-101	M6S-103	M6S-101	6	234.72	233.17	0.40	-0.436	0.030	0.128	0.064	0.012	1.337	-0.436	0.030	0.128	0.064	0.012	1.338
M6S-104_M6S-106	M6S-104	M6S-106	6	244.64	243.44	0.40	-0.455	0.017	0.091	0.046	0.007	1.188	-0.454	0.017	0.091	0.046	0.007	1.189
M6S-105_M6S-107	M6S-105	M6S-107	6	236.87	235.8	0.44	-0.441	0.027	0.118	0.059	0.012	1.446	-0.441	0.027	0.118	0.059	0.012	1.447
M6S-106_M6S-105	M6S-106	M6S-105	6	243.44	236.87	0.85	-0.444	0.010	0.113	0.056	0.009	1.500	-0.444	0.010	0.113	0.057	0.009	1.501
M6S-107_M6S-103	M6S-107	M6S-103	6	235.8	234.72	0.40	-0.441	0.030	0.119	0.059	0.012	1.407	-0.441	0.030	0.119	0.060	0.012	1.408
M6S-108_M6S-109	M6S-108	M6S-109	6	239.18	235.05	0.69	-0.367	0.061	0.265	0.133	0.042	2.089	-0.367	0.061	0.266	0.133	0.042	2.090
M6S-109_M6S-112	M6S-109	M6S-112	6	235.05	234.4	0.28	-0.358	0.154	0.283	0.142	0.043	1.541	-0.358	0.154	0.284	0.142	0.044	1.541
M6S-110_M5S-306	M6S-110	M5S-306	6	278.54	261.11	0.89	-0.438	0.011	0.123	0.062	0.010	1.507	-0.438	0.011	0.124	0.062	0.010	1.507
M6S-111_M6S-110	M6S-111	M6S-110	6	279.24	278.54	0.40	-0.458	0.014	0.084	0.042	0.006	1.140	-0.458	0.014	0.084	0.042	0.006	1.140
M6S-112_M6S-113	M6S-112	M6S-113	6	234.4	233.81	0.28	-0.287	0.165	0.427	0.213	0.047	1.164	-0.286	0.166	0.427	0.214	0.047	1.164
M6S-113_M6S-116	M6S-113	M6S-116	6	233.81	233.06	0.28	-0.208	0.360	0.584	0.292	0.102	1.585	-0.208	0.361	0.585	0.292	0.102	1.585
M6S-114_M6S-113	M6S-114	M6S-113	6	235.71	233.81	0.31	-0.287	0.170	0.427	0.213	0.053	1.309	-0.286	0.171	0.427	0.214	0.053	1.309
M6S-115_M6S-114	M6S-115	M6S-114	6	241.39	235.71	0.73	-0.361	0.060	0.278	0.139	0.044	2.113	-0.361	0.060	0.278	0.139	0.044	2.114
M6S-116_M6S-206	M6S-116	M6S-206	6	233.06	231.27	0.28	-0.208	0.649	0.585	0.292	0.183	2.533	-0.207	0.650	0.585	0.293	0.183	2.534
M6S-117_M6S-116	M6S-117	M6S-116	6	237.81	233.06	1.12	-0.208	0.069	0.584	0.292	0.078	1.748	-0.208	0.070	0.585	0.292	0.078	1.748
M6S-118_M6S-115	M6S-118	M6S-115	6	244.23	241.39	0.56	-0.406	0.077	0.187	0.094	0.043	2.633	-0.406	0.077	0.188	0.094	0.043	2.634
M6S-119_M6S-121	M6S-119	M6S-121	6	248.41	248.21	0.28	-0.410	0.014	0.181	0.090	0.004	0.385	-0.410	0.014	0.181	0.090	0.004	0.385
M6S-120_M6S-121	M6S-120	M6S-121	6	252.05	248.21	1.21	-0.410	0.002	0.181	0.090	0.003	0.453	-0.410	0.002	0.181	0.090	0.003	0.455
M6S-121_M6S-118	M6S-121	M6S-118	6	248.21	244.23	0.56	-0.407	0.071	0.187	0.094	0.040	2.522	-0.406	0.072	0.187	0.094	0.040	2.523
M6S-122_M6S-121	M6S-122	M6S-121	6	249.92	248.21	0.57	-0.410	0.056	0.181	0.090	0.032	2.224	-0.410	0.057	0.181	0.090	0.032	2.225
M6S-123_M6S-104	M6S-123	M6S-104	6	246.22	244.64	0.40	-0.455	0.010	0.091	0.045	0.004	0.812	-0.455	0.010	0.091	0.046	0.004	0.812
M6S-201_M6S-203	M6S-201	M6S-203	6	228.59	227.1	0.35	-0.449	0.003	0.101	0.051	0.001	0.252	-0.449	0.003	0.102	0.051	0.001	0.252
M6S-202_L6S-521	M6S-202	L6S-521	6	225.89	224.03	0.40	-0.173	0.526	0.654	0.327	0.210	2.720	-0.173	0.527	0.655	0.328	0.211	2.721
M6S-203_M6S-202	M6S-203	M6S-202	6	227.1	225.89	0.50	-0.240	0.020	0.520	0.260	0.010	0.298	-0.240	0.020	0.521	0.260	0.010	0.298
M6S-204_L6S-519	M6S-204	L6S-519	6	242.45	236.25	0.52	-0.234	0.557	0.533	0.266	0.288	4.195	-0.221	0.601	0.559	0.279	0.311	4.270
M6S-205_M6S-203	M6S-205	M6S-203	6	229.68	227.1	0.42	-0.449	0.019	0.101	0.051	0.008	1.222	-0.449	0.019	0.102	0.051	0.008	1.223
M6S-206_M6S-202	M6S-206	M6S-202	6	231.27	225.89	0.51	-0.240	0.393	0.520	0.260	0.198	3.318	-0.240	0.394	0.521	0.260	0.199	3.320
M6S-207_M6S-206	M6S-207	M6S-206	6	237.89	231.27	0.62	-0.283	0.019	0.434	0.217	0.012	0.448	-0.283	0.019	0.435	0.217	0.012	0.448
M6S-208_M6S-205	M6S-208	M6S-205	6	233.73	229.68	0.63	-0.453	0.008	0.095	0.047	0.005	1.053	-0.453	0.008	0.095	0.047	0.005	1.054
M6S-209_M6S-208	M6S-209	M6S-208	6	236.69	233.73	0.57	-0.469	0.003	0.062	0.031	0.002	0.765	-0.469	0.003	0.062	0.031	0.002	0.766
M6S-210_M6S-207	M6S-210	M6S-207	6	243.33	237.89	0.61	-0.453	0.013	0.095	0.048	0.008	1.441	-0.452	0.013	0.095	0.048	0.008	1.441

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
M6S-211_M6S-212	M6S-211	M6S-212	6	256.64	255.54	0.38	-0.258	0.008	0.485	0.243	0.003	0.219	-0.245	0.008	0.511	0.255	0.003	0.133
M6S-212_M6S-305	M6S-212	M6S-305	6	255.54	248	0.59	-0.257	0.476	0.486	0.243	0.282	4.630	-0.245	0.518	0.511	0.255	0.307	4.727
M6S-213_M6S-210	M6S-213	M6S-210	6	249.36	243.33	0.67	-0.461	0.006	0.079	0.040	0.004	1.061	-0.460	0.006	0.079	0.040	0.004	1.062
M6S-214_M6S-117	M6S-214	M6S-117	6	242.34	237.81	0.46	-0.388	0.110	0.224	0.112	0.050	2.367	-0.388	0.110	0.224	0.112	0.050	2.368
M6S-301_L6S-608	M6S-301	L6S-608	6	237.96	234.51	0.40	-0.430	0.027	0.140	0.070	0.011	1.154	-0.430	0.027	0.140	0.070	0.011	1.155
M6S-302_M7S-117	M6S-302	M7S-117	6	232.56	230.24	0.36	-0.357	0.161	0.286	0.143	0.057	1.992	-0.348	0.184	0.305	0.153	0.066	2.078
M6S-303_M6S-302	M6S-303	M6S-302	6	234.31	232.56	0.36	-0.365	0.088	0.270	0.135	0.031	1.377	-0.355	0.111	0.289	0.145	0.040	1.531
M6S-304_M6S-301	M6S-304	M6S-301	6	241.58	237.96	0.49	-0.444	0.008	0.112	0.056	0.004	0.712	-0.444	0.008	0.112	0.056	0.004	0.713
M6S-305_M6S-204	M6S-305	M6S-204	8	248	242.45	1.05	-0.401	0.270	0.399	0.266	0.284	3.651	-0.387	0.293	0.419	0.279	0.308	3.717
M6S-306_M6S-302	M6S-306	M6S-302	6	236.58	232.56	0.44	-0.365	0.041	0.270	0.135	0.018	0.955	-0.355	0.041	0.289	0.145	0.018	0.895
M6S-307_M6S-308	M6S-307	M6S-308	6	241.3	240.6	0.39	-0.448	0.005	0.103	0.052	0.002	0.432	-0.448	0.005	0.104	0.052	0.002	0.432
M6S-308_M6S-306	M6S-308	M6S-306	6	240.6	236.58	0.44	-0.432	0.023	0.137	0.068	0.010	1.144	-0.432	0.023	0.137	0.069	0.010	1.145
M6S-309_M6S-212	M6S-309	M6S-212	6	256.85	255.54	0.28	-0.106	0.968	0.787	0.394	0.274	2.863	0.009	1.063	1.018	0.509	0.301	2.902
M6S-310_M6S-308	M6S-310	M6S-308	6	244.15	240.6	0.47	-0.448	0.012	0.103	0.052	0.006	1.028	-0.448	0.013	0.104	0.052	0.006	1.028
M6S-311_M6S-312	M6S-311	M6S-312	6	243.38	241.57	0.40	-0.427	0.010	0.146	0.073	0.004	0.526	-0.417	0.010	0.167	0.083	0.004	0.460
M6S-312_M6S-303	M6S-312	M6S-303	6	241.57	234.31	0.55	-0.400	0.046	0.200	0.100	0.025	1.734	-0.388	0.061	0.224	0.112	0.034	1.915
M6S-313_L6S-606	M6S-313	L6S-606	6	236.26	233.69	0.36	-0.436	0.025	0.129	0.064	0.009	1.042	-0.436	0.025	0.129	0.065	0.009	1.043
M6S-401_M6S-122	M6S-401	M6S-122	6	251.49	249.92	0.40	-0.405	0.080	0.191	0.096	0.032	1.887	-0.404	0.080	0.191	0.096	0.032	1.888
M6S-402_M6S-401	M6S-402	M6S-401	6	265.47	251.49	1.22	-0.405	0.026	0.191	0.095	0.032	2.633	-0.405	0.026	0.191	0.095	0.032	2.634
M6S-403_M6S-418	M6S-403	M6S-418	6	287.98	264.61	1.11	-0.447	0.020	0.106	0.053	0.022	3.238	-0.447	0.020	0.107	0.053	0.022	3.240
M6S-404_M6S-501	M6S-404	M6S-501	6	265.79	252.94	1.04	-0.455	0.001	0.091	0.045	0.001	0.446	-0.455	0.001	0.091	0.046	0.001	0.447
M6S-405_M6S-403	M6S-405	M6S-403	6	297.07	287.98	1.10	-0.451	0.015	0.097	0.049	0.016	2.856	-0.451	0.015	0.097	0.049	0.017	2.858
M6S-406_M6S-408	M6S-406	M6S-408	6	285.89	284.33	0.47	-0.467	0.003	0.066	0.033	0.001	0.530	-0.467	0.003	0.066	0.033	0.001	0.530
M6S-407_M6S-405	M6S-407	M6S-405	6	315.97	297.07	1.08	-0.457	0.003	0.085	0.043	0.003	0.853	-0.457	0.003	0.085	0.043	0.003	0.853
M6S-408_M6S-512	M6S-408	M6S-512	6	284.33	261.77	1.25	-0.420	0.009	0.159	0.080	0.011	1.394	-0.420	0.009	0.160	0.080	0.011	1.394
M6S-409_M6S-402	M6S-409	M6S-402	6	269.63	265.47	0.46	-0.415	0.063	0.170	0.085	0.029	2.011	-0.415	0.063	0.171	0.085	0.029	2.012
M6S-410_M6S-409	M6S-410	M6S-409	6	271.67	269.63	0.45	-0.415	0.018	0.170	0.085	0.008	0.847	-0.415	0.019	0.170	0.085	0.008	0.847
M6S-411_M6S-410	M6S-411	M6S-410	6	281.7	271.67	0.88	-0.453	0.008	0.094	0.047	0.007	1.501	-0.453	0.008	0.095	0.047	0.007	1.502
M6S-412_M6S-405	M6S-412	M6S-405	6	300.32	297.07	0.40	-0.443	0.027	0.114	0.057	0.011	1.378	-0.443	0.028	0.114	0.057	0.011	1.378
M6S-413_M6S-412	M6S-413	M6S-412	6	320.86	300.32	1.22	-0.443	0.005	0.113	0.057	0.005	1.133	-0.443	0.005	0.114	0.057	0.005	1.133
M6S-415_M6S-416	M6S-415	M6S-416	6	288.64	287.32	0.62	-0.471	0.002	0.058	0.029	0.001	0.645	-0.471	0.002	0.058	0.029	0.001	0.645
M6S-416_M6S-417	M6S-416	M6S-417	6	287.32	285.04	0.42	-0.451	0.007	0.097	0.049	0.003	0.605	-0.451	0.007	0.097	0.049	0.003	0.605
M6S-417_M6S-408	M6S-417	M6S-408	6	285.04	284.33	0.28	-0.451	0.020	0.097	0.049	0.005	0.903	-0.451	0.020	0.097	0.049	0.006	0.903
M6S-418_M6S-117	M6S-418	M6S-117	6	264.61	237.81	1.09	-0.410	0.024	0.180	0.090	0.026	2.342	-0.410	0.024	0.180	0.090	0.026	2.343
M6S-501_M6S-522	M6S-501	M6S-522	6	252.94	252.44	0.40	-0.455	0.017	0.091	0.046	0.007	1.190	-0.454	0.017	0.091	0.046	0.007	1.191
M6S-502_M6S-212	M6S-502	M6S-212	6	270.62	255.54	0.76	-0.258	0.004	0.485	0.243	0.003	0.270	-0.245	0.004	0.511	0.255	0.003	0.270
M6S-503_M6S-501	M6S-503	M6S-501	6	266.86	252.94	1.13	-0.455	0.004	0.091	0.045	0.004	1.095	-0.455	0.004	0.091	0.046	0.004	1.096
M6S-504_M6S-214	M6S-504	M6S-214	6	253.41	242.34	0.64	-0.389	0.058	0.223	0.112	0.037	2.166	-0.388	0.058	0.223	0.112	0.037	2.167
M6S-505_M6S-506	M6S-505	M6S-506	6	265.61	264.67	0.35	-0.387	0.008	0.226	0.113	0.003	0.262	-0.387	0.008	0.226	0.113	0.003	0.262
M6S-506_M6S-615	M6S-506	M6S-615	6	264.67	258.04	0.61	-0.114	0.113	0.772	0.386	0.068	1.074	0.137	0.113	1.274	0.637	0.068	0.961
M6S-507_M6S-506	M6S-507	M6S-506	6	270.87	264.67	0.77	-0.387	0.074	0.226	0.113	0.057	3.052	-0.387	0.075	0.226	0.113	0.057	3.054
M6S-508_M6S-510	M6S-508	M6S-510	6	272.57	272.06	0.28	-0.368	0.020	0.265	0.132	0.006	0.360	-0.368	0.021	0.265	0.133	0.006	0.360
M6S-509_M6S-504	M6S-509	M6S-504	6	257.19	253.41	0.58	-0.417	0.060	0.166	0.083	0.035	2.524	-0.417	0.060	0.167	0.083	0.035	2.525
M6S-510_M6S-507	M6S-510	M6S-507	6	272.06	270.87	0.36	-0.368	0.154	0.265	0.133	0.055	2.046	-0.367	0.154	0.265	0.133	0.055	2.047
M6S-511_M6S-510	M6S-511	M6S-510	6	273.17	272.06	0.74	-0.368	0.065	0.265	0.132	0.048	2.326	-0.368	0.065	0.265	0.133	0.048	2.327
M6S-512_M6S-509	M6S-512	M6S-509	6	261.77	257.19	0.60	-0.417	0.055	0.166	0.083	0.033	2.489	-0.417	0.055	0.166	0.083	0.033	2.490
M6S-514_M6S-511	M6S-514	M6S-511	6	274.04	273.17	0.31	-0.372	0.144	0.257	0.128	0.045	1.747	-0.371	0.145	0.257	0.129	0.045	1.747
M6S-515_M6S-514	M6S-515	M6S-514	6	276.48	274.04	0.78	-0.372	0.056	0.256	0.128	0.044	2.280	-0.372	0.056	0.257	0.128	0.044	2.281
M6S-516_M6S-605	M6S-516	M6S-605	6	276.12	271.28	0.94	-0.467	0.004	0.067	0.034	0.004	1.339	-0.466	0.004	0.067	0.034	0.004	1.340
M6S-517_M6S-612	M6S-517	M6S-612	6	278.74	277.63	0.28	-0.455	0.017	0.091	0.045	0.005	0.875	-0.455	0.017	0.091	0.046	0.005	0.876
M6S-518_M6S-515	M6S-518	M6S-515	6	284.34	276.48	0.75	-0.420	0.046	0.161	0.080	0.035	2.813	-0.420	0.047	0.161	0.080	0.035	2.815

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
M6S-519_M6S-518	M6S-519	M6S-518	6	284.7	284.34	0.22	-0.371	0.149	0.257	0.129	0.032	1.382	-0.371	0.149	0.258	0.129	0.033	1.383
M6S-520_M6P-501	M6S-520	M6P-501	6	280.62	276.96	0.69	-0.439	0.006	0.123	0.061	0.004	0.704	-0.439	0.006	0.123	0.061	0.004	0.704
M6S-521_M6S-512	M6S-521	M6S-512	6	285.56	261.77	1.02	-0.420	0.021	0.159	0.080	0.021	2.175	-0.420	0.021	0.160	0.080	0.021	2.177
M6S-522_M6S-214	M6S-522	M6S-214	6	252.44	242.34	0.97	-0.389	0.010	0.223	0.112	0.010	0.833	-0.388	0.010	0.223	0.112	0.010	0.833
M6S-523_M6P-502	M6S-523	M6P-502	6	283.22	273.71	1.13	-0.474	0.001	0.052	0.026	0.001	0.836	-0.474	0.001	0.052	0.026	0.001	0.836
M6S-601_M6S-615	M6S-601	M6S-615	6	258.66	258.04	0.28	-0.114	0.689	0.772	0.386	0.194	2.041	0.137	0.810	1.274	0.637	0.228	2.077
M6S-602_M6S-310	M6S-602	M6S-310	6	247.05	244.15	0.40	-0.461	0.007	0.078	0.039	0.003	0.759	-0.461	0.007	0.078	0.039	0.003	0.760
M6S-603_M6S-312	M6S-603	M6S-312	6	248.8	241.57	0.55	-0.427	0.025	0.146	0.073	0.014	1.457	-0.417	0.039	0.167	0.083	0.022	1.799
M6S-604_M6S-603	M6S-604	M6S-603	6	250.44	248.8	0.50	-0.446	0.016	0.108	0.054	0.008	1.222	-0.433	0.031	0.135	0.067	0.016	1.656
M6S-605_M6S-506	M6S-605	M6S-506	6	271.28	264.67	0.65	-0.387	0.009	0.226	0.113	0.006	0.529	-0.387	0.009	0.226	0.113	0.006	0.529
M6S-606_M6S-607	M6S-606	M6S-607	6	277.9	260.47	1.16	-0.203	0.003	0.594	0.297	0.003	0.404	-0.165	0.003	0.669	0.335	0.003	0.404
M6S-607_M6S-601	M6S-607	M6S-601	6	260.47	258.66	0.28	-0.184	0.666	0.633	0.317	0.188	2.297	-0.076	0.794	0.848	0.424	0.224	2.288
M6S-608_M6S-609	M6S-608	M6S-609	6	266.99	265.03	0.28	-0.304	0.248	0.391	0.196	0.070	1.666	-0.284	0.374	0.433	0.216	0.105	2.039
M6S-609_M6S-607	M6S-609	M6S-607	6	265.03	260.47	0.55	-0.203	0.325	0.594	0.297	0.179	2.863	-0.165	0.390	0.669	0.335	0.215	2.980
M6S-610_M6S-609	M6S-610	M6S-609	6	267.72	265.03	0.66	-0.304	0.018	0.391	0.196	0.012	0.496	-0.284	0.018	0.433	0.216	0.012	0.443
M6S-611_M6S-610	M6S-611	M6S-610	6	269.12	267.72	0.44	-0.448	0.022	0.103	0.052	0.010	1.412	-0.448	0.023	0.104	0.052	0.010	1.413
M6S-612_M6S-611	M6S-612	M6S-611	6	277.63	269.12	1.12	-0.448	0.007	0.103	0.052	0.008	1.596	-0.448	0.007	0.103	0.052	0.008	1.597
M6S-613_M6S-609	M6S-613	M6S-609	6	270.69	265.03	0.63	-0.304	0.149	0.391	0.196	0.094	2.621	-0.284	0.150	0.433	0.216	0.094	2.411
M6S-614_M6S-608	M6S-614	M6S-608	6	268.96	266.99	0.31	-0.331	0.159	0.338	0.169	0.049	1.508	-0.289	0.159	0.421	0.211	0.049	1.259
M6S-615_M6S-309	M6S-615	M6S-309	6	258.04	256.85	0.28	-0.106	0.946	0.787	0.394	0.267	2.516	0.137	1.053	1.274	0.637	0.298	2.490
M7S-101_L7S-412	M7S-101	L7S-412	6	226.82	225.73	0.31	0.360	0.929	1.720	0.860	0.287	2.647	0.517	0.920	2.034	1.017	0.284	2.640
M7S-102_M7S-103	M7S-102	M7S-103	6	236.51	235.19	0.31	-0.401	0.087	0.199	0.100	0.027	1.504	-0.400	0.087	0.199	0.100	0.027	1.505
M7S-103_M7S-104	M7S-103	M7S-104	6	235.19	227.57	1.09	0.018	0.031	1.035	0.518	0.034	0.611	0.060	0.031	1.121	0.560	0.034	0.611
M7S-104_M7S-101	M7S-104	M7S-101	6	227.57	226.82	0.31	0.105	0.939	1.211	0.605	0.291	2.667	0.176	0.935	1.352	0.676	0.289	2.665
M7S-105_M7S-102	M7S-105	M7S-102	6	237.57	236.51	0.40	-0.401	0.062	0.198	0.099	0.025	1.548	-0.401	0.062	0.199	0.099	0.025	1.549
M7S-106_M7S-104	M7S-106	M7S-104	6	228.84	227.57	0.31	0.018	0.844	1.035	0.518	0.261	2.475	0.060	0.847	1.121	0.560	0.262	2.474
M7S-107_M7S-103	M7S-107	M7S-103	6	241.13	235.19	0.69	-0.439	0.007	0.122	0.061	0.005	0.859	-0.439	0.007	0.122	0.061	0.005	0.859
M7S-108_M7S-105	M7S-108	M7S-105	6	240.11	237.57	0.44	-0.416	0.043	0.169	0.084	0.019	1.503	-0.416	0.043	0.169	0.085	0.019	1.504
M7S-109_M7S-106	M7S-109	M7S-106	6	230.15	228.84	0.31	-0.146	0.825	0.707	0.354	0.255	2.697	-0.145	0.827	0.711	0.355	0.256	2.693
M7S-110_M7S-113	M7S-110	M7S-113	6	245.6	244.78	0.28	-0.446	0.021	0.109	0.055	0.006	0.829	-0.445	0.021	0.109	0.055	0.006	0.829
M7S-111_M7S-108	M7S-111	M7S-108	6	242.87	240.11	0.44	-0.430	0.034	0.141	0.071	0.015	1.475	-0.429	0.034	0.141	0.071	0.015	1.475
M7S-112_M7S-111	M7S-112	M7S-111	6	243.48	242.87	0.31	-0.433	0.038	0.134	0.067	0.012	1.168	-0.433	0.039	0.134	0.067	0.012	1.169
M7S-113_M7S-112	M7S-113	M7S-112	6	244.78	243.48	0.31	-0.433	0.025	0.134	0.067	0.008	0.894	-0.433	0.025	0.134	0.067	0.008	0.894
M7S-114_M7S-115	M7S-114	M7S-115	6	247.58	240.31	1.08	-0.473	0.003	0.053	0.027	0.003	1.385	-0.473	0.003	0.053	0.027	0.003	1.385
M7S-115_M7S-116	M7S-115	M7S-116	6	240.31	231.49	1.08	-0.163	0.005	0.675	0.338	0.006	0.486	-0.162	0.005	0.676	0.338	0.006	0.489
M7S-116_M7S-109	M7S-116	M7S-109	6	231.49	230.15	0.31	-0.156	0.802	0.689	0.345	0.249	2.698	-0.155	0.804	0.690	0.345	0.249	2.698
M7S-117_L7S-409	M7S-117	L7S-409	6	230.24	228.85	0.36	-0.335	0.178	0.330	0.165	0.063	1.918	-0.325	0.201	0.351	0.175	0.072	1.989
M7S-201_M7S-204	M7S-201	M7S-204	6	234.31	233.27	0.40	-0.218	0.590	0.564	0.282	0.236	3.248	-0.218	0.591	0.565	0.282	0.237	3.249
M7S-202_M7S-201	M7S-202	M7S-201	6	235.47	234.31	0.36	-0.206	0.652	0.589	0.294	0.233	3.009	-0.205	0.654	0.590	0.295	0.234	3.010
M7S-203_M7S-202	M7S-203	M7S-202	6	236.53	235.47	0.48	-0.206	0.463	0.587	0.294	0.221	3.203	-0.206	0.464	0.588	0.294	0.222	3.204
M7S-204_M7S-116	M7S-204	M7S-116	6	233.27	231.49	0.40	-0.163	0.602	0.675	0.338	0.240	2.911	-0.162	0.603	0.676	0.338	0.241	2.912
M7S-400_M6S-604	M7S-400	M6S-604	6	251.11	250.44	0.28	-0.443	0.028	0.114	0.057	0.008	0.990	-0.420	0.056	0.160	0.080	0.015	1.211
M7S-401_M7S-402	M7S-401	M7S-402	6	255.48	254.51	0.25	-0.323	0.070	0.354	0.177	0.017	0.635	-0.323	0.070	0.354	0.177	0.018	0.635
M7S-402_M7S-403	M7S-402	M7S-403	6	254.51	253.7	0.25	-0.297	0.265	0.405	0.203	0.067	1.518	-0.297	0.266	0.406	0.203	0.067	1.518
M7S-403_M7S-502	M7S-403	M7S-502	6	253.7	252.46	0.25	-0.297	0.348	0.405	0.203	0.088	1.948	-0.297	0.348	0.406	0.203	0.088	1.949
M7S-501_M7S-203	M7S-501	M7S-203	6	239.36	236.53	0.47	-0.258	0.460	0.484	0.242	0.218	3.625	-0.258	0.462	0.485	0.242	0.218	3.626
M7S-502_M7S-501	M7S-502	M7S-501	6	252.46	239.36	0.91	-0.262	0.212	0.476	0.238	0.193	4.159	-0.262	0.213	0.477	0.238	0.194	4.161
N6S-101_N6S-104	N6S-101	N6S-104	6	299.71	292.98	0.68	-0.453	0.002	0.094	0.047	0.001	0.402	-0.453	0.002	0.095	0.047	0.001	0.402
N6S-102_M6S-521	N6S-102	M6S-521	6	287.75	285.56	0.40	-0.430	0.042	0.140	0.070	0.017	1.556	-0.430	0.042	0.140	0.070	0.017	1.558
N6S-103_N6S-102	N6S-103	N6S-102	6	288.69	287.75	0.40	-0.431	0.010	0.139	0.070	0.004	0.574	-0.430	0.010	0.139	0.070	0.004	0.574
N6S-104_N6S-102	N6S-104	N6S-102	6	292.98	287.75	0.59	-0.431	0.019	0.139	0.070	0.011	1.332	-0.430	0.019	0.139	0.070	0.011	1.333

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Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
N6S-105_N6S-104	N6S-105	N6S-104	6	294.54	292.98	0.40	-0.447	0.024	0.106	0.053	0.010	1.323	-0.447	0.024	0.106	0.053	0.010	1.324
N6S-106_N6S-105	N6S-106	N6S-105	6	298.74	294.54	0.90	-0.447	0.003	0.106	0.053	0.003	0.649	-0.447	0.003	0.106	0.053	0.003	0.649
N6S-107_N6S-105	N6S-107	N6S-105	6	297.52	294.54	0.58	-0.447	0.007	0.106	0.053	0.004	0.808	-0.447	0.007	0.106	0.053	0.004	0.808
N6S-108_N6S-103	N6S-108	N6S-103	6	304.43	288.69	1.13	-0.464	0.001	0.072	0.036	0.001	0.591	-0.464	0.001	0.072	0.036	0.001	0.591
N6S-109_M6S-411	N6S-109	M6S-411	6	289.34	281.7	0.63	-0.463	0.011	0.073	0.037	0.007	1.647	-0.463	0.011	0.074	0.037	0.007	1.648
N6S-110_N6S-109	N6S-110	N6S-109	6	294.58	289.34	0.66	-0.463	0.006	0.073	0.037	0.004	1.183	-0.463	0.006	0.073	0.037	0.004	1.183
N6S-111_N6S-110	N6S-111	N6S-110	4	298.36	294.58	0.22	-0.305	0.012	0.085	0.028	0.003	1.270	-0.305	0.012	0.085	0.028	0.003	1.270
N6S-112_N6S-111	N6S-112	N6S-111	6	301.04	298.36	0.65	-0.474	0.002	0.052	0.026	0.001	0.723	-0.474	0.002	0.052	0.026	0.001	0.723
N6S-113_M6S-413	N6S-113	M6S-413	6	322.74	320.86	0.42	-0.465	0.010	0.070	0.035	0.004	1.054	-0.465	0.010	0.070	0.035	0.004	1.055
N6S-201_M6S-519	N6S-201	M6S-519	6	295.03	284.7	1.06	-0.371	0.029	0.257	0.129	0.031	1.898	-0.371	0.029	0.258	0.129	0.031	1.899
N6S-202_N6S-216	N6S-202	N6S-216	6	332.99	305.5	1.21	-0.447	0.011	0.106	0.053	0.014	2.401	-0.447	0.011	0.106	0.053	0.014	2.402
N6S-203_N6S-216	N6S-203	N6S-216	6	310.22	305.5	0.69	-0.447	0.007	0.106	0.053	0.005	0.967	-0.447	0.007	0.106	0.053	0.005	0.967
N6S-204_N6S-201	N6S-204	N6S-201	6	299.53	295.03	0.57	-0.441	0.014	0.118	0.059	0.008	1.184	-0.441	0.014	0.118	0.059	0.008	1.184
N6S-205_N6S-213	N6S-205	N6S-213	6	300.32	299.44	0.22	-0.410	0.072	0.181	0.090	0.016	1.126	-0.410	0.072	0.181	0.090	0.016	1.127
N6S-206_N6S-205	N6S-206	N6S-205	6	301.29	300.32	0.23	-0.410	0.047	0.181	0.090	0.011	0.792	-0.410	0.047	0.181	0.090	0.011	0.792
N6S-207_N6S-202	N6S-207	N6S-202	6	343.17	332.99	0.88	-0.463	0.009	0.074	0.037	0.008	1.978	-0.463	0.009	0.074	0.037	0.008	1.979
N6S-208_N6S-207	N6S-208	N6S-207	6	353.46	343.17	0.90	-0.467	0.005	0.066	0.033	0.005	1.569	-0.467	0.005	0.066	0.033	0.005	1.570
N6S-209_N6S-210	N6S-209	N6S-210	6	321.4	310.82	1.04	-0.471	0.003	0.058	0.029	0.003	1.277	-0.471	0.003	0.058	0.029	0.003	1.278
N6S-210_N6S-206	N6S-210	N6S-206	6	310.82	301.29	1.03	-0.427	0.007	0.147	0.073	0.007	0.989	-0.427	0.007	0.147	0.074	0.007	0.989
N6S-211_N6S-212	N6S-211	N6S-212	6	312.32	305.98	0.97	-0.456	0.002	0.088	0.044	0.002	0.631	-0.456	0.002	0.088	0.044	0.002	0.631
N6S-212_N6S-213	N6S-212	N6S-213	6	305.98	299.44	0.94	-0.435	0.016	0.131	0.065	0.015	2.006	-0.435	0.016	0.131	0.065	0.015	2.006
N6S-213_N6S-305	N6S-213	N6S-305	6	299.44	279.91	0.90	-0.356	0.037	0.289	0.144	0.033	1.712	-0.356	0.037	0.289	0.145	0.033	1.713
N6S-214_N6S-212	N6S-214	N6S-212	6	313.28	305.98	0.49	-0.446	0.025	0.108	0.054	0.012	1.632	-0.446	0.025	0.108	0.054	0.012	1.633
N6S-215_N6S-305	N6S-215	N6S-305	6	285.59	279.91	0.40	-0.356	0.110	0.289	0.144	0.044	1.714	-0.356	0.110	0.289	0.145	0.044	1.715
N6S-216_N6S-201	N6S-216	N6S-201	6	305.5	295.03	0.87	-0.441	0.024	0.118	0.059	0.020	2.637	-0.441	0.024	0.118	0.059	0.020	2.638
N6S-301_N6S-204	N6S-301	N6S-204	6	302.7	299.53	0.60	-0.459	0.006	0.081	0.041	0.004	1.005	-0.459	0.006	0.082	0.041	0.004	1.005
N6S-302_M6S-613	N6S-302	M6S-613	6	275.54	270.69	0.62	-0.370	0.147	0.261	0.130	0.091	3.484	-0.370	0.147	0.261	0.131	0.091	3.485
N6S-303_N6S-305	N6S-303	N6S-305	6	283.35	279.91	0.65	-0.356	0.003	0.289	0.144	0.002	0.227	-0.356	0.003	0.289	0.145	0.002	0.227
N6S-304_N6S-302	N6S-304	N6S-302	6	278.17	275.54	0.42	-0.349	0.198	0.302	0.151	0.083	2.579	-0.349	0.198	0.302	0.151	0.083	2.580
N6S-305_N6S-304	N6S-305	N6S-304	6	279.91	278.17	0.44	-0.350	0.182	0.301	0.150	0.080	2.552	-0.349	0.182	0.301	0.151	0.080	2.553
N6S-307_N6S-302	N6S-307	N6S-302	6	277.82	275.54	0.44	-0.371	0.011	0.259	0.129	0.005	0.363	-0.371	0.011	0.259	0.130	0.005	0.363
N6S-501_N6S-502	N6S-501	N6S-502	6	316.31	314.42	0.46	-0.438	0.017	0.123	0.062	0.008	1.066	-0.438	0.017	0.123	0.062	0.008	1.066
N6S-502_N6S-503	N6S-502	N6S-503	6	314.42	314.13	0.27	-0.433	0.032	0.135	0.067	0.009	0.924	-0.433	0.032	0.135	0.068	0.009	0.925
N6S-503_N6S-214	N6S-503	N6S-214	6	314.13	313.28	0.28	-0.433	0.039	0.135	0.067	0.011	1.095	-0.433	0.039	0.135	0.068	0.011	1.096
N6S-505_N6S-215	N6S-505	N6S-215	6	287.73	285.59	0.40	-0.389	0.108	0.223	0.111	0.043	2.059	-0.389	0.108	0.223	0.112	0.043	2.060
N6S-506_N6S-505	N6S-506	N6S-505	6	288.49	287.73	0.40	-0.389	0.023	0.221	0.111	0.009	0.670	-0.389	0.023	0.222	0.111	0.009	0.670
N6S-507_N6S-506	N6S-507	N6S-506	6	289.51	288.49	0.40	-0.447	0.022	0.106	0.053	0.009	1.272	-0.447	0.023	0.106	0.053	0.009	1.273
N6S-508_N6S-509	N6S-508	N6S-509	6	303.34	301.82	0.45	-0.463	0.006	0.074	0.037	0.003	0.819	-0.463	0.006	0.074	0.037	0.003	0.819
N6S-509_N6S-510	N6S-509	N6S-510	6	301.82	300.15	0.44	-0.459	0.011	0.081	0.041	0.005	1.074	-0.459	0.011	0.081	0.041	0.005	1.075
N6S-510_N6S-511	N6S-510	N6S-511	6	300.15	298.35	0.44	-0.459	0.014	0.081	0.041	0.006	1.218	-0.459	0.014	0.081	0.041	0.006	1.219
N6S-511_N6S-507	N6S-511	N6S-507	6	298.35	289.51	0.63	-0.448	0.013	0.103	0.052	0.008	1.384	-0.448	0.013	0.104	0.052	0.008	1.384
N6S-512_N6S-501	N6S-512	N6S-501	6	317.76	316.31	0.42	-0.455	0.012	0.091	0.045	0.005	0.960	-0.455	0.012	0.091	0.045	0.005	0.960
N7S-101_M6S-614	N7S-101	M6S-614	6	270.42	268.96	0.31	-0.366	0.157	0.268	0.134	0.049	1.783	-0.366	0.157	0.268	0.134	0.049	1.784
Z1S-103_Z1S-102	Z1S-103	Z1S-102	42	-32.35	-34.25	56.43	-2.215	0.287	0.367	1.285	16.215	7.854	-2.130	0.324	0.391	1.370	18.266	8.114
Z1S-104_Z1S-103	Z1S-104	Z1S-103	39	-30.5	-32.35	47.55	-1.941	0.341	0.403	1.309	16.224	8.042	-1.852	0.384	0.430	1.398	18.272	8.302
Z1S-105_Z1S-104	Z1S-105	Z1S-104	42	-28.65	-30.5	57.36	-2.191	0.281	0.374	1.309	16.122	7.742	-2.102	0.317	0.399	1.398	18.166	7.992
Z1S-106_Z1S-105	Z1S-106	Z1S-105	42	-25.2	-28.65	58.29	-2.224	0.277	0.365	1.276	16.135	7.937	-2.139	0.312	0.389	1.361	18.173	8.197
Z1S-107_Z1S-106	Z1S-107	Z1S-106	42	-21.6	-25.2	57.58	-2.232	0.280	0.362	1.268	16.144	7.960	-2.149	0.316	0.386	1.351	18.179	8.224
Z1S-108_Z1S-111	Z1S-108	Z1S-111	39	-16.2	-19.65	47.39	-1.888	0.341	0.419	1.362	16.155	7.747	-1.792	0.384	0.449	1.458	18.183	7.979
Z1S-109_Z1S-117	Z1S-109	Z1S-117	39	4.7	2.5	45.92	-1.919	0.352	0.410	1.331	16.159	7.832	-1.830	0.396	0.437	1.420	18.159	8.079
Z1S-110_Z1S-108	Z1S-110	Z1S-108	39	-14.25	-16.2	47.47	-1.941	0.340	0.403	1.309	16.157	8.015	-1.853	0.383	0.430	1.398	18.184	8.271

Los Altos Sewer Master Plan  
Hydraulic Model Results for Existing Wet Weather Flows and Future Wet Weather Flows

Pipe ID	Pipe Attributes						Existing WWF Model Results						Future WWF Model Results					
	Upstream Manhole	Downstream Manhole	Diameter (in)	Upstream Invert	Downstream Invert	Capacity (mgd)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)	Pressure (ft)	q/Q	d/D	Depth (ft)	Discharge (mgd)	Velocity (ft/s)
Z1S-111_Z1S-107	Z1S-111	Z1S-107	36	-19.65	-21.6	38.17	-1.638	0.423	0.454	1.362	16.148	8.022	-1.542	0.476	0.486	1.458	18.181	8.270
Z1S-112_Z1S-110	Z1S-112	Z1S-110	39	-12.65	-14.25	46.79	-1.932	0.345	0.405	1.318	16.159	7.941	-1.844	0.389	0.433	1.406	18.184	8.195
Z1S-113_Z1S-112	Z1S-113	Z1S-112	39	-10	-12.65	47.55	-1.932	0.340	0.405	1.318	16.162	7.978	-1.844	0.382	0.433	1.406	18.184	8.233
Z1S-114_Z1S-113	Z1S-114	Z1S-113	39	-6.8	-10	47.07	-1.937	0.343	0.404	1.313	16.164	7.976	-1.848	0.386	0.431	1.402	18.182	8.230
Z1S-115_Z1S-114	Z1S-115	Z1S-114	39	-3.6	-6.8	47.11	-1.937	0.343	0.404	1.313	16.164	7.978	-1.848	0.386	0.431	1.402	18.179	8.233
Z1S-116_Z1S-115	Z1S-116	Z1S-115	39	-0.5	-3.6	46.20	-1.923	0.350	0.408	1.327	16.164	7.868	-1.834	0.393	0.436	1.416	18.174	8.117
Z1S-117_Z1S-116	Z1S-117	Z1S-116	39	2.5	-0.5	45.97	-1.919	0.352	0.409	1.331	16.162	7.839	-1.830	0.395	0.437	1.420	18.167	8.086
Z1S-118_Z1S-109	Z1S-118	Z1S-109	39	7.8	4.7	46.20	-1.919	0.350	0.410	1.331	16.156	7.846	-1.830	0.393	0.437	1.420	18.153	8.093
Z1S-119_Z1S-118	Z1S-119	Z1S-118	30	10.9	7.8	22.96	-0.954	0.704	0.619	1.547	16.151	7.854	-0.823	0.790	0.671	1.677	18.143	8.037
Z1S-120_Z1S-119	Z1S-120	Z1S-119	30	14	10.9	22.55	-0.935	0.716	0.626	1.565	16.145	7.742	-0.802	0.804	0.679	1.698	18.131	7.919
Z1S-121_Z1S-120	Z1S-121	Z1S-120	30	17.8	14	23.03	-0.936	0.701	0.626	1.564	16.137	7.789	-0.804	0.787	0.679	1.697	18.116	7.966
Z1S-122_Z1S-121	Z1S-122	Z1S-121	30	21.5	17.8	23.14	-0.958	0.697	0.617	1.542	16.127	7.881	-0.830	0.782	0.668	1.670	18.096	8.064
Z1S-123_Z1S-122	Z1S-123	Z1S-122	30	25	21.5	23.42	-0.964	0.688	0.614	1.536	16.115	7.926	-0.837	0.772	0.665	1.663	18.076	8.111
Z1S-124_Z1S-123	Z1S-124	Z1S-123	30	29.1	25	22.66	-0.977	0.565	0.609	1.523	12.792	6.657	-0.853	0.651	0.659	1.647	14.742	6.948
Z1S-125_Z1S-124	Z1S-125	Z1S-124	33	33.2	29.1	32.57	-1.405	0.393	0.489	1.345	12.791	7.272	-1.280	0.452	0.535	1.470	14.732	7.495
Z1S-126_Z1S-125	Z1S-126	Z1S-125	30	36.3	33.2	23.00	-1.168	0.556	0.533	1.332	12.789	7.456	-1.046	0.640	0.582	1.454	14.725	7.707