

APPENDIX G: 2050 PWWF Model Result with Existing Pipeline Conditions



T-2. 2050 PWWF Model Result with Existing Pipeline Conditions

ID	From MH ID	To MH ID	Existing Diameter (in.)	Length (ft.)	Slope (%)	Basin	Street	Pipe Material	ADWF (gpd)	PDWF (gpd)	PWWF (gpd)	PWWF d/D	Hydraulic Capacity Remaining (%)
9097	14214	14074	42	135.8	1.13	Main Street	MAIN ST	PVC	10,662,038	14,464,976	18,536,797	0.443	47.9%
9101	13847	13881	18	72.5	0.00	Salt Creek	NORTH CREEKSIDE DR	PVC	682,894	938,912	1,612,292	0.514	39.5%
9110	9105	13141	15	313.7	1.31	Salt Creek	HUNTE PY	PVC	515,169	709,073	1,170,749	0.350	58.8%
9118	9124	13980	24	84.6	8.41	Salt Creek	PRIVATE RD	PVC	1,796,129	2,466,213	3,970,860	0.384	54.8%
9119	13980	13979	24	320.7	0.23	Salt Creek	PRIVATE RD	PVC	3,004,697	4,132,217	5,813,364	0.658	22.6%
9182	14038	13847	18	316.2	0.51	Salt Creek	NORTH CREEKSIDE DR	PVC	682,710	938,667	1,611,317	0.496	41.6%
12869	13347	13134	15	197.8	4.19	Salt Creek	HUNTE PY	PVC	323,686	445,343	813,030	0.259	69.5%
12870	13138	13385	15	41.9	0.24	Salt Creek	HUNTE PY	PVC	362,965	499,774	880,668	0.455	46.5%
13756	14016	14008	30	36.3	11.02	Salt Creek	PRIVATE RD	PVC	3,694,344	5,078,372	6,815,019	0.429	49.5%
13759	13950	13949	36	304.2	0.25	Salt Creek	WILEY RD	PVC	4,801,975	6,583,473	8,461,259	0.458	46.1%
13760	13951	13950	36	353.8	0.24	Salt Creek	WILEY RD	PVC	4,801,977	6,583,483	8,455,290	0.444	47.8%
13761	13952	13951	36	353.8	0.24	Salt Creek	WILEY RD	PVC	4,801,975	6,584,109	8,448,813	0.447	47.4%
13762	13953	13952	36	510.2	0.30	Salt Creek	WILEY RD	PVC	4,766,952	6,537,383	8,394,764	0.430	49.4%
13763	13954	13953	30	598.6	1.09	Salt Creek	WILEY RD	PVC	4,707,029	6,456,204	8,302,994	0.436	48.7%
13764	13955	13954	30	599.5	0.34	Salt Creek	WILEY RD	PVC	4,687,888	6,431,400	8,268,133	0.467	45.1%
13765	13956	13955	30	522.8	0.35	Salt Creek	WILEY RD	PVC	4,687,888	6,433,032	8,259,700	0.538	36.7%
13766	13957	13956	30	600.0	0.34	Salt Creek	WILEY RD	PVC	4,687,888	6,434,712	8,252,685	0.522	38.6%
13767	13935	13934	42	502.9	0.24	Salt Creek	WILEY RD	PVC	6,033,705	8,239,965	10,284,394	0.401	52.8%
13768	13936	13935	42	599.7	0.62	Salt Creek	WILEY RD	PVC	6,001,186	8,198,176	10,230,837	0.349	58.9%
13769	13937	13936	36	600.0	1.45	Salt Creek	WILEY RD	PVC	6,001,186	8,198,978	10,217,579	0.328	61.4%
13770	13938	13937	36	599.5	0.22	Salt Creek	WILEY RD	PVC	6,001,186	8,199,603	10,206,153	0.419	50.7%



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13771	13939	13938	36	600.1	0.22	Salt Creek	WILEY RD	PVC	6,001,186	8,201,811	10,196,299	0.519	38.9%
13772	13940	13939	36	475.0	0.23	Salt Creek	WILEY RD	PVC	6,001,186	8,204,432	10,187,021	0.502	40.9%
13773	13941	13940	36	304.7	2.07	Salt Creek	WILEY RD	PVC	6,001,186	8,206,955	10,180,148	0.389	54.2%
13774	13942	13941	36	439.8	0.62	Salt Creek	WILEY RD	PVC	5,517,873	7,551,314	9,517,857	0.336	60.5%
13775	13943	13942	36	394.1	0.62	Salt Creek	WILEY RD	PVC	5,517,873	7,551,956	9,509,645	0.381	55.2%
13776	13944	13943	36	598.4	0.61	Salt Creek	WILEY RD	PVC	5,517,873	7,552,813	9,502,547	0.365	57.1%
13777	14007	13965	30	83.8	5.40	Salt Creek	PRIVATE RD	PVC	3,694,344	5,075,829	6,831,276	0.337	60.4%
13778	14008	13967	30	299.3	0.11	Salt Creek	PRIVATE RD	PVC	3,694,344	5,077,767	6,819,487	0.666	21.6%
13779	14009	14016	30	13.0	45.04	Salt Creek	PRIVATE RD	PVC	3,694,344	5,078,422	6,814,452	0.161	81.1%
13780	14010	14002	20	177.5	1.23	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,796	3,453,113	0.425	50.0%
13784	13917	13916	42	594.3	0.10	Main Street	MAIN ST	PVC	7,089,984	9,664,619	11,941,253	0.557	34.5%
13785	13918	13987	42	136.0	0.10	Main Street	MAIN ST	PVC	7,084,608	9,658,398	11,910,499	0.563	33.8%
13786	13919	13918	42	598.8	0.10	Main Street	MAIN ST	PVC	7,077,797	9,650,055	11,898,942	0.560	34.1%
13787	13920	13919	42	599.4	0.17	Main Street	MAIN ST	PVC	7,077,797	9,650,762	11,885,633	0.511	39.9%
13788	13921	13920	42	521.8	0.10	Main Street	MAIN ST	PVC	7,077,797	9,651,074	11,871,871	0.505	40.6%
13789	13922	13921	42	449.6	1.07	Main Street	MAIN ST	PVC	7,070,422	9,641,664	11,850,211	0.413	51.4%
13790	13923	14004	42	682.8	0.28	Salt Creek	WILEY RD	PVC	6,045,219	8,251,644	10,438,767	0.335	60.6%
13791	13924	13923	42	599.8	0.28	Salt Creek	WILEY RD	PVC	6,045,219	8,252,192	10,423,269	0.392	53.9%
13792	13925	13924	42	599.6	0.86	Salt Creek	WILEY RD	PVC	6,045,219	8,252,382	10,409,370	0.309	63.6%
13793	13926	13925	42	437.8	0.49	Salt Creek	WILEY RD	PVC	6,033,812	8,237,632	10,380,557	0.312	63.3%
13794	13927	13926	42	498.3	0.23	Salt Creek	WILEY RD	PVC	6,033,812	8,237,753	10,370,408	0.379	55.4%
13795	13928	13927	42	310.3	0.25	Salt Creek	WILEY RD	PVC	6,033,812	8,237,926	10,358,893	0.404	52.5%
13796	13929	13928	42	438.7	0.24	Salt Creek	WILEY RD	PVC	6,033,812	8,238,044	10,351,752	0.398	53.2%



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13797	13930	13929	42	430.4	0.19	Salt Creek	WILEY RD	PVC	6,033,812	8,238,037	10,341,474	0.391	54.0%
13798	13931	13930	42	447.1	0.19	Salt Creek	WILEY RD	PVC	6,033,812	8,238,892	10,332,170	0.428	49.6%
13799	13932	13931	42	320.4	0.25	Salt Creek	WILEY RD	PVC	6,033,812	8,239,033	10,321,887	0.407	52.1%
13800	13988	9124	24	254.0	0.97	Salt Creek	PRIVATE RD	PVC	1,796,129	2,466,213	3,969,729	0.361	57.5%
13801	14034	14033	18	283.8	0.47	Salt Creek	SOUTH CREEKSIDE DR	PVC	749,337	1,029,800	1,832,897	0.447	47.4%
13803	14035	14034	18	235.6	0.41	Salt Creek	SOUTH CREEKSIDE DR	PVC	744,968	1,023,870	1,814,999	0.449	47.2%
13804	14166	14038	18	336.6	0.43	Salt Creek	NORTH CREEKSIDE DR	PVC	682,239	938,049	1,607,534	0.410	51.8%
13805	14039	14166	18	404.7	0.42	Salt Creek	NORTH CREEKSIDE DR	PVC	682,014	937,757	1,603,896	0.422	50.4%
13806	13850	13849	18	56.9	1.77	Salt Creek	NORTH CREEKSIDE DR	PVC	676,024	929,773	1,578,400	0.286	66.4%
13808	9123	13850	18	481.8	0.42	Salt Creek	OTAY LAKES RD	PVC	676,024	929,781	1,577,837	0.376	55.8%
13811	13933	14006	42	298.9	0.25	Salt Creek	WILEY RD	PVC	6,033,812	8,239,202	10,304,608	0.384	54.8%
13812	13934	13933	42	596.5	0.22	Salt Creek	WILEY RD	PVC	6,033,812	8,239,549	10,297,944	0.403	52.6%
13813	13945	13944	36	598.4	0.62	Salt Creek	WILEY RD	PVC	5,517,873	7,553,838	9,491,476	0.366	56.9%
13814	13946	13945	36	600.0	0.60	Salt Creek	WILEY RD	PVC	5,517,873	7,555,084	9,480,593	0.366	56.9%
13815	13947	13946	36	593.7	0.62	Salt Creek	WILEY RD	PVC	5,517,873	7,556,790	9,470,068	0.366	56.9%
13816	13948	13947	36	483.4	0.63	Salt Creek	WILEY RD	PVC	5,517,873	7,558,982	9,460,090	0.363	57.3%
13817	13949	13948	36	597.3	0.22	Salt Creek	WILEY RD	PVC	4,801,977	6,582,858	8,472,790	0.419	50.7%
13818	13958	13957	30	600.0	0.34	Salt Creek	WILEY RD	PVC	3,785,455	5,195,406	7,003,531	0.499	41.3%
13819	13959	13958	30	317.3	1.58	Salt Creek	WILEY RD	PVC	3,785,455	5,195,896	6,994,031	0.391	54.0%
13820	13960	13959	30	568.0	1.08	Salt Creek	WILEY RD	PVC	3,785,455	5,196,119	6,988,956	0.334	60.7%



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13821	13961	13960	30	569.7	1.08	Salt Creek	WILEY RD	PVC	3,785,455	5,196,591	6,979,932	0.350	58.8%
13822	13962	13961	30	82.9	1.23	Salt Creek	WILEY RD	PVC	3,785,455	5,196,889	6,970,693	0.344	59.5%
13823	13963	13962	30	179.7	0.77	Salt Creek	WILEY RD	PVC	3,785,455	5,196,838	6,969,252	0.381	55.2%
13824	13964	13963	30	525.1	0.37	Salt Creek	WILEY RD	PVC	3,785,455	5,197,670	6,967,086	0.433	49.1%
13825	13987	13917	42	455.9	0.10	Main Street	MAIN ST	PVC	7,084,608	9,658,138	11,920,895	0.558	34.4%
13826	13989	13988	24	566.6	0.34	Salt Creek	PRIVATE RD	PVC	1,796,129	2,466,302	3,966,402	0.436	48.7%
13827	13990	13989	24	24.6	0.29	Salt Creek	PRIVATE RD	PVC	1,718,024	2,360,140	3,828,174	0.465	45.3%
13828	13991	13990	24	409.1	0.32	Salt Creek	PRIVATE RD	PVC	1,718,024	2,360,174	3,827,864	0.489	42.5%
13829	13992	13991	24	17.0	0.53	Salt Creek	PRIVATE RD	PVC	1,718,024	2,360,203	3,822,404	0.480	43.5%
13830	13993	13992	24	506.1	1.75	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,254	3,822,212	0.392	53.9%
13831	13994	13993	24	515.0	1.58	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,291	3,815,457	0.307	63.9%
13832	13995	13994	24	515.0	0.85	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,311	3,808,572	0.347	59.2%
13833	13996	13995	24	515.0	1.30	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,360	3,801,702	0.353	58.5%
13834	13997	13996	24	515.0	1.89	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,406	3,794,831	0.310	63.5%
13835	13998	13997	24	477.2	0.89	Salt Creek	HUNTE PY	PVC	1,718,024	2,360,441	3,787,950	0.338	60.2%
13836	13999	14000	20	569.1	0.89	Salt Creek	HUNTE PY	PVC	1,586,627	2,180,641	3,471,186	0.424	50.1%
13837	14000	13998	20	599.4	1.60	Salt Creek	HUNTE PY	PVC	1,586,625	2,180,573	3,478,166	0.418	50.8%
13838	14001	13999	20	630.7	2.04	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,735	3,464,577	0.412	51.5%
13839	14002	14001	20	351.3	1.11	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,785	3,457,218	0.399	53.1%
13842	13965	13964	30	263.4	0.39	Salt Creek	PRIVATE RD	PVC	3,694,344	5,075,698	6,835,679	0.465	45.3%
13843	13966	14007	30	305.8	0.11	Salt Creek	PRIVATE RD	PVC	3,694,344	5,075,830	6,829,875	0.532	37.4%
13844	13967	13966	30	411.6	0.11	Salt Creek	PRIVATE RD	PVC	3,694,344	5,076,920	6,825,666	0.645	24.1%
13845	14004	13922	42	353.5	1.24	Main Street	WILEY RD	PVC	6,387,306	8,718,902	10,914,706	0.273	67.9%



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13846	14005	13932	42	302.4	0.26	Salt Creek	PRIVATE RD	PVC	6,033,813	8,239,121	10,314,481	0.392	53.9%
13847	14006	14005	42	123.1	0.34	Salt Creek	PRIVATE RD	PVC	6,033,812	8,239,141	10,307,422	0.382	55.1%
15420	13140	9105	15	209.4	2.10	Salt Creek	HUNTE PY	PVC	515,169	709,095	1,168,144	0.318	62.6%
15421	13141	13142	15	234.4	1.09	Salt Creek	HAWTHORNE CREEK DR	PVC	515,169	709,057	1,172,696	0.350	58.8%
15422	13142	13143	18	399.0	1.03	Salt Creek	RUSTIC WOOD ST	PVC	515,169	709,023	1,176,670	0.280	67.1%
15423	13143	13144	18	298.1	1.04	Salt Creek	RUSTIC WOOD ST	PVC	518,763	713,791	1,184,469	0.287	66.2%
15424	13144	13878	18	295.6	1.05	Salt Creek	OTAY LAKES RD	PVC	518,763	713,739	1,187,391	0.266	68.7%
15859	14033	14032	18	316.2	0.44	Salt Creek	SOUTH CREEKSIDE DR	PVC	776,952	1,067,678	1,912,212	0.464	45.4%
15860	14032	14031	18	266.9	0.39	Salt Creek	SOUTH CREEKSIDE DR	PVC	777,561	1,068,460	1,915,682	0.502	40.9%
15861	14031	14030	18	381.8	0.44	Salt Creek	SOUTH CREEKSIDE DR	PVC	778,226	1,069,301	1,920,367	0.374	56.0%
15862	14030	14029	18	188.6	8.02	Salt Creek	SOUTH CREEKSIDE DR	PVC	784,149	1,077,296	1,940,102	0.269	68.4%
15863	14029	14028	18	291.4	1.61	Salt Creek	PRIVATE RD	PVC	784,149	1,077,290	1,943,025	0.349	58.9%
15864	14028	14027	18	274.4	1.19	Salt Creek	PRIVATE RD	PVC	784,261	1,077,432	1,945,925	0.330	61.2%
15866	14027	13902	18	31.4	2.58	Salt Creek	PRIVATE RD	PVC	784,261	1,077,431	1,946,100	0.336	60.5%
15897	13916	14228	42	600.0	0.10	Main Street	MAIN ST	PVC	7,089,984	9,663,906	11,954,544	0.560	34.1%
15898	14228	14220	42	600.0	0.10	Main Street	MAIN ST	PVC	7,089,984	9,663,215	11,967,859	0.559	34.2%
15899	13915	13914	42	73.2	0.10	Main Street	MAIN ST	PVC	7,096,944	9,668,989	12,025,017	0.573	32.6%
15900	14224	13915	42	265.4	0.10	Main Street	MAIN ST	PVC	7,096,944	9,669,210	12,023,555	0.576	32.2%
15901	14223	14224	42	73.2	0.10	Main Street	MAIN ST	PVC	7,096,944	9,669,396	12,017,553	0.578	32.0%
15902	14226	14227	42	600.0	0.10	Main Street	MAIN ST	PVC	7,096,944	9,667,814	12,056,364	0.567	33.3%



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15903	13914	14225	42	199.4	0.10	Main Street	MAIN ST	PVC	7,096,944	9,668,848	12,029,515	0.565	33.5%
15904	14225	14226	42	600.0	0.10	Main Street	MAIN ST	PVC	7,096,944	9,668,526	12,043,140	0.562	33.9%
15905	14222	14223	42	600.0	0.10	Main Street	MAIN ST	PVC	7,090,708	9,661,834	12,008,301	0.574	32.5%
15906	14220	14221	42	600.0	0.10	Main Street	MAIN ST	PVC	7,089,984	9,662,527	11,981,124	0.557	34.5%
15907	14221	14222	42	598.1	0.10	Main Street	MAIN ST	PVC	7,090,708	9,662,715	11,995,190	0.563	33.8%
15908	14211	14235	42	955.5	0.10	Main Street	MAIN ST	PVC	7,371,351	10,009,119	12,559,825	0.572	32.7%
15909	14212	14211	42	146.8	0.10	Main Street	MAIN ST	PVC	7,111,132	9,685,331	12,091,283	0.576	32.2%
15910	14227	14213	42	268.5	0.10	Main Street	MAIN ST	PVC	7,099,023	9,669,933	12,064,745	0.572	32.7%
15912	14213	14212	42	331.5	0.10	Main Street	MAIN ST	PVC	7,105,853	9,678,590	12,081,142	0.576	32.2%
15913	14215	14071	42	78.0	0.45	Main Street	DATE ST	PVC	10,659,887	14,462,132	18,525,453	0.492	42.1%
15914	14216	14215	42	26.3	0.53	Main Street	OTAY VALLEY RD	PVC	10,659,463	14,461,572	18,523,066	0.509	40.1%
15915	14070	14214	42	204.4	1.11	Main Street	MAIN ST	PVC	10,661,198	14,463,868	18,532,511	0.355	58.2%
15916	14071	14070	42	22.6	1.42	Main Street	DATE ST	PVC	10,659,888	14,462,129	18,525,977	0.422	50.4%
15917	14217	14114	42	46.7	0.39	Main Street	MAIN ST	PVC	10,656,357	14,457,524	18,474,673	0.458	46.1%
15918	14218	14216	42	400.3	0.24	Main Street	OTAY VALLEY RD	PVC	10,659,463	14,461,586	18,522,478	0.541	36.4%
15919	14097	14218	42	133.4	0.33	Main Street	OTAY VALLEY RD	PVC	10,658,563	14,460,407	18,511,933	0.548	35.5%
15920	14099	14232	42	177.3	0.40	Main Street	OTAY VALLEY RD	PVC	10,657,319	14,464,839	18,503,077	0.511	39.9%
15921	14219	14099	42	129.1	0.16	Main Street	OTAY VALLEY RD	PVC	10,656,857	14,488,750	18,498,313	0.537	36.8%
15922	14103	14219	42	18.1	0.72	Main Street	PRIVATE RD	PVC	10,656,857	14,492,771	18,495,297	0.580	31.8%
15923	14229	14103	42	298.6	1.57	Main Street	OTAY VALLEY RD	PVC	10,656,857	14,559,598	18,494,914	0.448	47.3%
15924	14230	14229	42	298.6	1.40	Main Street	OTAY VALLEY RD	PVC	10,656,693	14,673,527	18,487,714	0.336	60.5%
15925	14231	14230	42	83.8	1.30	Main Street	OTAY VALLEY RD	PVC	10,656,693	14,798,331	18,480,711	0.368	56.7%
15926	14113	14231	42	90.8	1.17	Main Street	OTAY VALLEY RD	PVC	10,656,508	15,092,724	18,478,503	0.369	56.6%



T-2. 2050 PWWF Model Result with Existing Pipeline Conditions

ID	From MH ID	To MH ID	Existing Diameter (in.)	Length (ft.)	Slope (%)	Basin	Street	Pipe Material	ADWF (gpd)	PDWF (gpd)	PWWF (gpd)	PWWF d/D	Hydraulic Capacity Remaining (%)
15927	14114	14113	42	63.8	1.44	Main Street	OTAY VALLEY RD	PVC	10,656,357	14,694,889	18,476,178	0.366	56.9%
15928	14115	14217	42	19.2	0.68	Main Street	MAIN ST	PVC	10,656,357	14,478,013	18,473,583	0.533	37.3%
15929	14232	14097	42	176.3	0.30	Main Street	OTAY VALLEY RD	PVC	10,657,552	14,459,080	18,507,498	0.536	36.9%
15930	14116	14115	42	268.5	1.49	Main Street	MAIN ST	PVC	10,656,357	14,457,541	18,473,147	0.430	49.4%
15931	14233	14116	42	400.0	0.10	Main Street	MAIN ST	PVC	7,371,351	10,007,914	12,588,211	0.437	48.6%
15932	14234	14233	42	289.7	0.10	Main Street	MAIN ST	PVC	7,371,351	10,007,981	12,578,885	0.555	34.7%
15933	14235	14234	42	567.9	0.10	Main Street	MAIN ST	PVC	7,371,351	10,008,253	12,572,322	0.568	33.2%
16314	13385	13139	15	276.7	2.10	Salt Creek	STONE GATE ST	PVC	515,169	709,145	1,163,108	0.296	65.2%
16315	13139	13140	15	398.1	2.25	Salt Creek	HUNTE PY	PVC	515,169	709,118	1,166,413	0.295	65.3%
16316	13137	13138	15	336.9	1.21	Salt Creek	HUNTE PY	PVC	362,965	499,846	880,374	0.453	46.7%
16317	13136	13137	15	400.5	2.19	Salt Creek	HUNTE PY	PVC	362,965	499,916	877,617	0.276	67.5%
16318	13135	13136	15	381.1	1.25	Salt Creek	HUNTE PY	PVC	323,686	445,185	819,523	0.274	67.8%
16319	13134	13135	15	410.5	0.94	Salt Creek	HUNTE PY	PVC	323,686	445,327	816,461	0.301	64.6%
16461	15046	15058	10	248.3	1.08	Salt Creek	WANDER ST	PVC	317,847	437,717	527,239	0.420	44.0%
16462	15058	15066	10	288.6	1.04	Salt Creek	TRELLIS ST	PVC	326,373	449,437	548,859	0.452	39.7%
16463	15066	15056	12	82.0	1.04	Salt Creek	HUNTE PY	PVC	1,115,554	1,540,522	1,685,726	0.639	14.8%
16464	15056	15059	12	383.8	0.87	Salt Creek	HUNTE PY	PVC	1,164,154	1,608,319	1,756,092	0.692	7.7%
16465	15059	15067	12	400.5	1.54	Salt Creek	HUNTE PY	PVC	1,164,154	1,608,317	1,758,771	0.569	24.1%
16476	15067	15060	12	261.2	10.13	Salt Creek	HUNTE PY	PVC	1,164,154	1,608,316	1,760,520	0.335	55.3%
16477	15060	15061	12	349.3	8.09	Salt Creek	HUNTE PY	PVC	1,208,566	1,670,272	1,824,814	0.381	49.2%
16478	15061	15062	12	369.9	1.11	Salt Creek	HUNTE PY	PVC	1,208,566	1,670,269	1,827,288	0.652	13.1%
16479	15062	15063	12	350.6	1.31	Salt Creek	HUNTE PY	PVC	1,208,566	1,670,268	1,829,634	0.615	18.0%
16480	15063	15065	12	350.0	6.80	Salt Creek	HUNTE PY	PVC	1,208,566	1,670,266	1,831,977	0.380	49.3%



T-2. 2050 PWWF Model Result with Existing Pipeline Conditions

ID	From MH ID	To MH ID	Existing Diameter (in.)	Length (ft.)	Slope (%)	Basin	Street	Pipe Material	ADWF (gpd)	PDWF (gpd)	PWWF (gpd)	PWWF d/D	Hydraulic Capacity Remaining (%)
16481	15065	15064	12	225.0	10.32	Salt Creek	HUNTE PY	PVC	1,208,566	1,670,266	1,833,483	0.369	50.8%
16482	15064	15069	12	336.9	1.13	Salt Creek	PRIVATE RD	PVC	1,208,566	1,670,263	1,835,736	0.649	13.5%
16492	13902	14012	21	112.6	3.43	Salt Creek	PRIVATE RD	PVC	1,586,625	2,180,835	3,447,469	0.284	66.6%
16493	14012	14013	21	14.4	7.52	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,834	3,447,638	0.291	65.8%
16494	14013	14014	21	156.5	1.71	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,827	3,449,467	0.552	35.1%
16495	14014	14025	21	40.4	0.44	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,805	3,449,932	0.621	26.9%
16496	14025	14010	20	94.7	6.36	Salt Creek	OLYMPIC PY	PVC	1,586,625	2,180,804	3,451,041	0.335	60.6%
16543	14074	15114	42	544.2	0.35	Main Street	MAIN ST	PVC	10,662,067	14,465,000	18,549,559	0.434	48.9%
16544	15114	14069	42	499.2	1.36	Main Street	MAIN ST	PVC	10,662,067	14,464,974	18,561,210	0.338	60.2%
16545	14069	14068	42	32.9	1.34	Main Street	MAIN ST	PVC	10,665,544	14,469,512	18,566,515	0.347	59.2%
16546	14068	14067	42	507.5	1.12	Main Street	MAIN ST	PVC	10,666,698	14,471,011	18,579,894	0.455	46.5%
16547	14067	14066	42	600.0	0.29	Main Street	MAIN ST	PVC	10,667,994	14,472,631	18,595,525	0.450	47.1%
16548	14066	14082	42	590.0	1.25	Main Street	MAIN ST	PVC	10,670,567	14,475,957	18,612,651	0.354	58.4%
16549	14082	14077	42	585.0	1.24	Main Street	MAIN ST	PVC	10,675,218	14,482,012	18,632,396	0.335	60.6%
16550	14077	14065	42	47.3	1.99	Main Street	PRIVATE DY	PVC	10,675,217	14,482,005	18,633,493	0.354	58.4%
16551	14065	14072	42	510.7	0.71	Main Street	MAIN ST	PVC	10,675,879	14,482,855	18,646,296	0.402	52.7%
16552	14072	14073	42	474.3	0.71	Main Street	MAIN ST	PVC	10,676,451	14,483,595	18,658,146	0.402	52.7%
16553	14073	14095	42	71.1	0.72	Main Street	MAIN ST	PVC	10,676,782	14,484,015	18,660,226	0.432	49.2%
16555	13911	14129	42	600.0	0.22	Main Street	MAIN ST	PVC	10,687,026	14,496,510	18,701,194	0.581	31.6%
16556	14129	14128	42	600.0	0.22	Main Street	MAIN ST	PVC	10,688,505	14,498,289	18,716,960	0.496	41.6%
16557	14128	14127	42	600.0	0.77	Main Street	MAIN ST	PVC	10,688,764	14,498,572	18,731,271	0.431	49.3%
16558	14127	14126	42	600.0	0.48	Main Street	MAIN ST	PVC	10,690,883	14,501,290	18,748,018	0.432	49.2%
16559	14126	14125	42	45.0	0.76	Main Street	MAIN ST	PVC	10,691,107	14,501,566	18,749,337	0.406	52.2%



T-2. 2050 PWWF Model Result with Existing Pipeline Conditions

ID	From MH ID	To MH ID	Existing Diameter (in.)	Length (ft.)	Slope (%)	Basin	Street	Pipe Material	ADWF (gpd)	PDWF (gpd)	PWWF (gpd)	PWWF d/D	Hydraulic Capacity Remaining (%)
16560	14125	13912	42	254.1	0.63	Main Street	MAIN ST	PVC	10,692,180	14,502,963	18,756,685	0.425	50.0%
16561	13912	14117	42	600.0	0.62	Main Street	MAIN ST	PVC	10,693,030	14,504,079	18,771,862	0.406	52.2%
16562	14117	14120	42	600.0	0.91	Main Street	MAIN ST	PVC	10,694,703	14,506,217	18,788,030	0.388	54.4%
16563	14120	14122	42	575.0	0.74	Main Street	MAIN ST	PVC	10,700,703	14,514,008	18,809,261	0.424	50.1%
16564	14122	14121	42	51.2	0.49	Main Street	JACQUA ST	PVC	10,700,703	14,513,986	18,810,426	0.474	44.2%
16565	14121	14123	42	164.2	0.38	Main Street	MAIN ST	PVC	10,700,837	14,514,168	18,814,457	0.457	46.2%
16566	14123	14119	42	535.6	0.65	Main Street	MAIN ST	PVC	10,700,968	14,514,319	18,827,142	0.454	46.6%
16567	14119	14124	42	384.2	0.35	Main Street	MAIN ST	PVC	10,700,968	14,514,255	18,836,052	0.553	34.9%
16568	14124	GTWY_MH_03	42	92.9	0.27	Main Street	INDUSTRIAL BL	PVC	10,702,777	14,516,811	18,840,832	0.634	25.4%
16569	14003	14118	42	211.0	2.60	Main Street	I-5 NB ON RA	PVC	12,147,245	16,444,885	21,336,539	0.417	50.9%
16570	14118	OUTFAL L_9152	42	1127.4	0.38	Main Street	I-5 NB ON RA	PVC	12,147,306	16,444,768	21,362,783	0.518	39.1%
16749	14040	14039	18	304.5	3.21	Salt Creek	NORTH CREEKSIDE DR	PVC	680,687	936,029	1,595,419	0.333	60.8%
16751	14041	14040	18	182.5	2.97	Salt Creek	NORTH CREEKSIDE DR	PVC	677,952	932,391	1,588,647	0.249	70.7%
16753	13849	14041	18	149.8	2.63	Salt Creek	NORTH CREEKSIDE DR	PVC	676,133	929,917	1,580,049	0.256	69.9%
16807	15288	15066	12	14.7	1.88	Salt Creek	HUNTE PY	PVC	701,077	969,140	1,000,174	0.431	42.5%
16808	15289	15288	12	211.8	2.08	Salt Creek	HUNTE PY	PVC	701,077	969,140	1,000,076	0.425	43.3%
16809	15287	15289	12	399.9	1.04	Salt Creek	HUNTE PY	PVC	701,077	969,140	998,659	0.428	42.9%
17086	13878	9123	15	336.8	2.51	Salt Creek	OTAY LAKES RD	PVC	518,763	713,716	1,190,186	0.407	52.1%
17093	15538	13980	12	174.0	0.58	Salt Creek	PRIVATE RD	PVC	1,208,566	1,670,259	1,840,389	0.826	-10.1%
17094	13979	13978	24	406.7	0.23	Salt Creek	PRIVATE RD	PVC	3,317,897	4,565,719	6,253,256	0.685	19.4%



T-2. 2050 PWWF Model Result with Existing Pipeline Conditions

ID	From MH ID	To MH ID	Existing Diameter (in.)	Length (ft.)	Slope (%)	Basin	Street	Pipe Material	ADWF (gpd)	PDWF (gpd)	PWWF (gpd)	PWWF d/D	Hydraulic Capacity Remaining (%)
17095	13978	13977	24	400.0	0.23	Salt Creek	PRIVATE RD	PVC	3,317,897	4,564,596	6,257,928	0.672	20.9%
17096	13977	13976	24	187.4	0.24	Salt Creek	PRIVATE RD	PVC	3,317,897	4,564,267	6,260,069	0.643	24.4%
17097	13976	13975	24	164.5	0.26	Salt Creek	PRIVATE RD	PVC	3,317,897	4,564,051	6,261,967	0.632	25.6%
17098	13975	14026	24	200.0	3.30	Salt Creek	PRIVATE RD	PVC	3,317,897	4,564,040	6,264,634	0.340	60.0%
17099	14026	13974	24	231.3	3.11	Salt Creek	PRIVATE RD	PVC	3,317,897	4,563,999	6,267,701	0.334	60.7%
17100	13974	13973	24	154.2	3.89	Salt Creek	PRIVATE RD	PVC	3,325,144	4,573,428	6,279,204	0.326	61.6%
17101	13973	13972	24	220.5	4.09	Salt Creek	PRIVATE RD	PVC	3,325,144	4,573,401	6,282,131	0.307	63.9%
17102	13972	13971	24	348.9	6.32	Salt Creek	PRIVATE RD	PVC	3,325,144	4,573,346	6,286,756	0.292	65.6%
17103	13971	13985	24	283.3	5.30	Salt Creek	PRIVATE RD	PVC	3,694,344	5,080,252	6,797,883	0.314	63.1%
17104	13985	13970	24	400.0	4.25	Salt Creek	PRIVATE RD	PVC	3,694,344	5,079,927	6,802,998	0.380	55.3%
17105	13970	13969	24	377.9	1.45	Salt Creek	PRIVATE RD	PVC	3,694,346	5,079,410	6,807,656	0.434	48.9%
17106	13969	13968	24	328.1	1.45	Salt Creek	PRIVATE RD	PVC	3,694,344	5,079,018	6,811,739	0.508	40.2%
17107	13968	14009	30	177.3	0.38	Salt Creek	PRIVATE RD	PVC	3,694,344	5,078,428	6,814,240	0.451	46.9%
17111	15069	15542	12	128.1	5.10	Salt Creek	PRIVATE RD	PVC	1,208,566	1,670,263	1,836,593	0.413	44.9%
17112	15542	15538	12	393.6	3.94	Salt Creek	PRIVATE RD	PVC	1,208,566	1,670,262	1,839,226	0.558	25.6%
17528	13881	14035	18	303.9	0.42	Salt Creek	NORTH CREEKSIDE DR	PVC	715,006	982,741	1,714,982	0.447	47.4%
17549	14095	15953	42	455.3	0.71	Main Street	MAIN ST	PVC	10,678,874	14,486,741	18,673,610	0.375	55.9%
17550	15953	13911	42	144.7	2.54	Main Street	MAIN ST	PVC	10,685,896	14,495,089	18,685,755	0.426	49.9%
CDT-59	GTWY_MH_03	14003	42	602.4	0.23	Main Street	INDUSTRIAL BL	PVC	12,140,562	16,436,157	21,322,878	0.482	43.3%

*Pipe ID in Red is hydraulically deficient under 2050 PWWF condition.